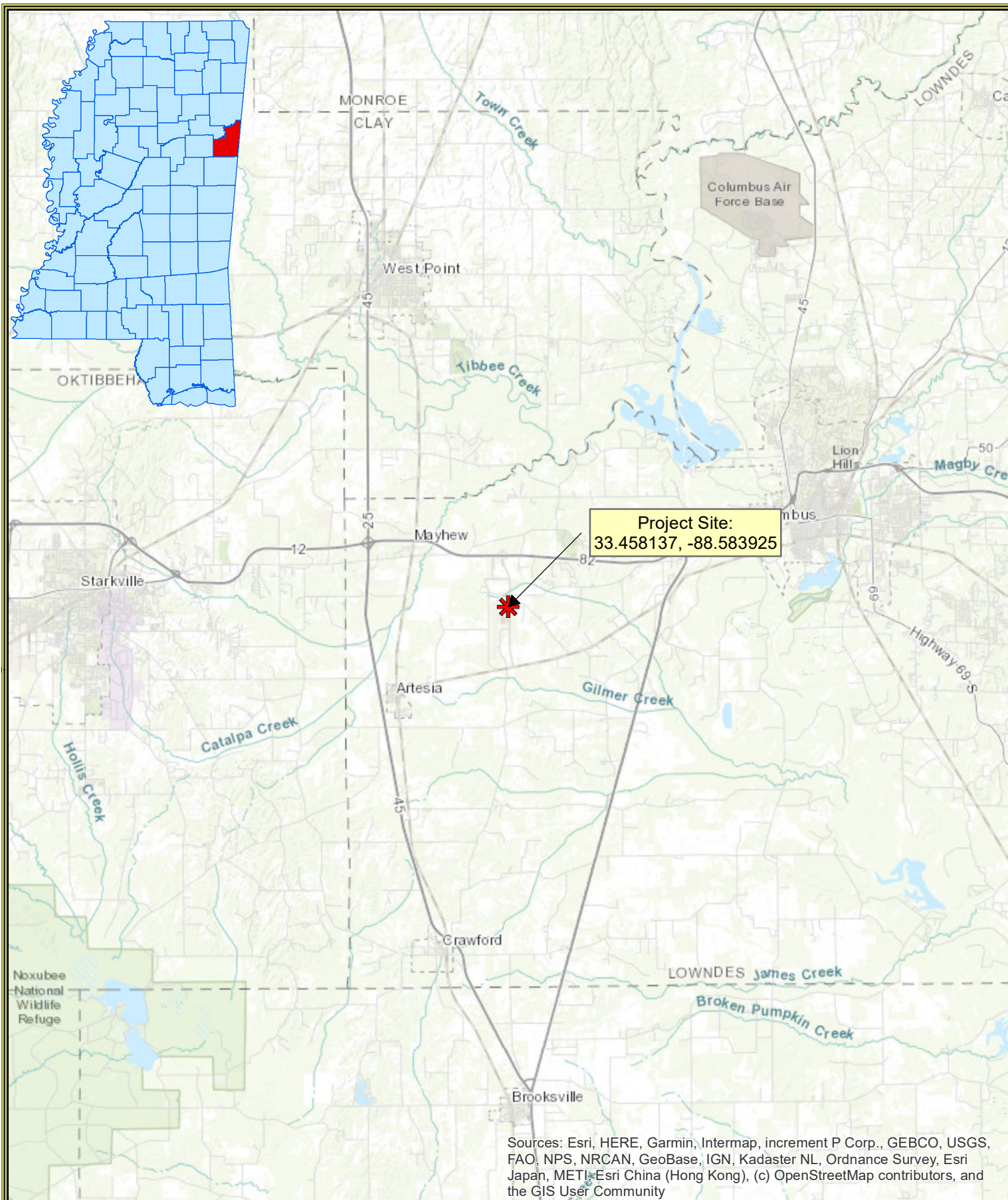


Appendix A  
Determination Table  
& Maps

<b>ENVIRONMENTAL IMPACT CATEGORIES</b>	<b>1 YEAR</b>	<b>6 YEARS</b>
AIR QUALITY	NO IMPACTS	NO IMPACTS
BIOLOGICAL RESOURCES	NO IMPACTS	NO IMPACTS
CLIMATE	NO IMPACTS	NO IMPACTS
COASTAL RESOURCES	NO IMPACTS	NO IMPACTS
DOT SECTION 4(f)	NO IMPACTS	NO IMPACTS
FARMLANDS--PRIME, UNIQUE OR STATE-SIGNIFICANT FARMLAND	NO IMPACTS	NO IMPACTS
HAZARDOUS MATERIALS, SOLID WASTE, AND POLLUTION	NO IMPACTS	NO IMPACTS
HISTORICAL, ARCHITECTURAL, ARCHAEOLOGICAL, AND CULTURAL RESOURCES	NO IMPACTS	NO IMPACTS
LAND USE	NO IMPACTS	NO IMPACTS
NATURAL RESOURCES AND ENERGY SUPPLY	NO IMPACTS	NO IMPACTS
NOISE AND COMPATIBLE LAND USE	NO IMPACTS	NO IMPACTS
SOCIOECONOMICS, ENVIRONMENTAL JUSTICE, AND CHILDREN'S ENVIRONMENTAL HEALTH AND SAFETY RISKS	NO IMPACTS	NO IMPACTS
VISUAL EFFECTS INCLUDING LIGHT EMISSIONS	NO IMPACTS	NO IMPACTS
WATER RESOURCES - WETLANDS, FLOODPLAINS SURFACE WATERS, GROUNDWATER, AND WILD AND SCENIC RIVERS	NO IMPACTS	NO IMPACTS



Project Site:  
33.458137, -88.583925

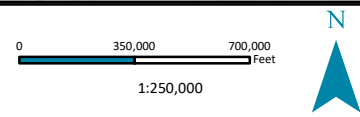
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



### Airbus Helicopters: Solar Farm Area Study

Sections 1 & 2, Township 18 North, Range 16 East  
Lowndes County, Mississippi

### General Location Map



NAD 1983 StatePlane Mississippi East FIPS 2302 Feet

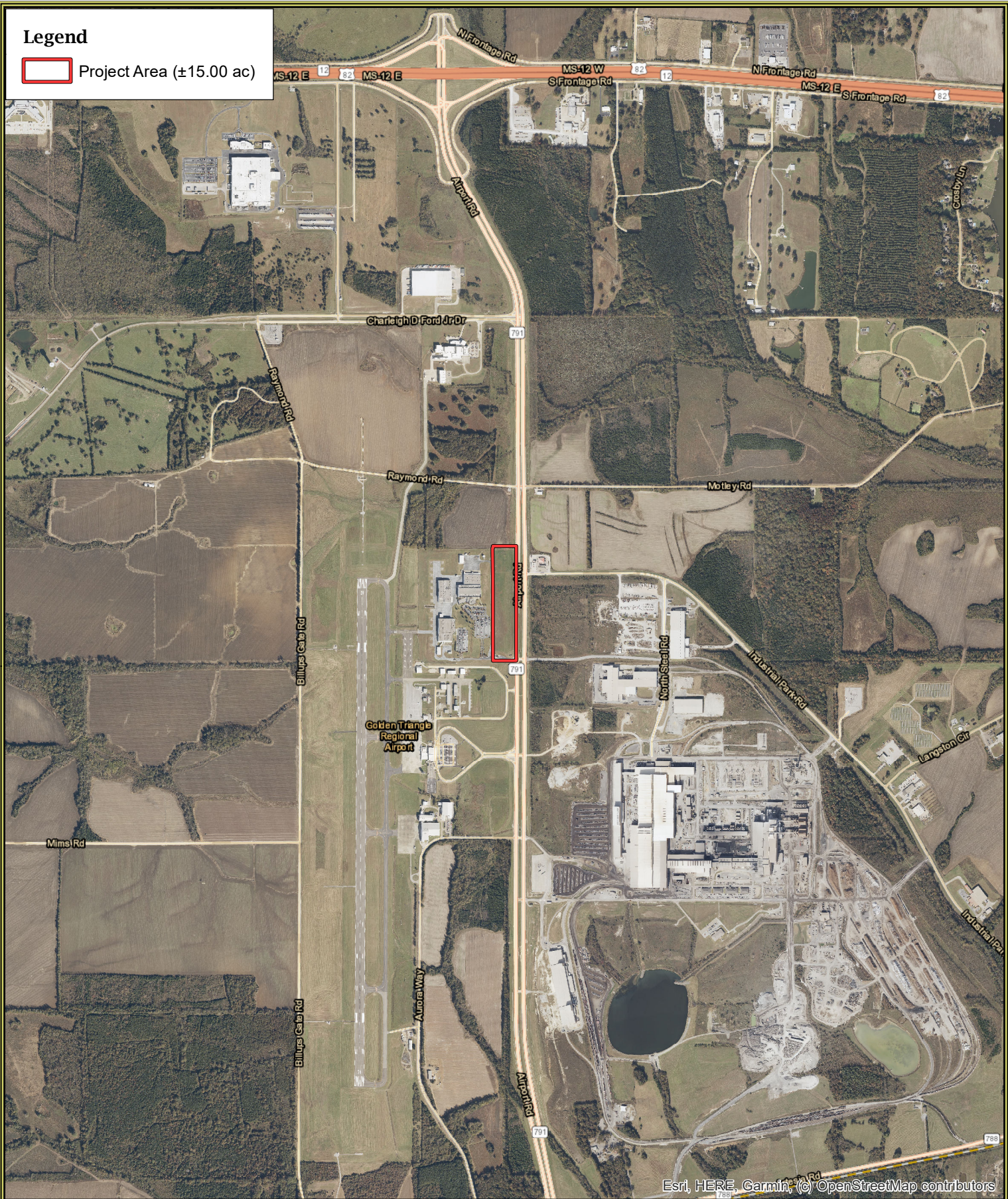
USGS 1986 Bent Oak (MS) Quad Basemap

Date Created: 10/16/2023

Created by: PGH

**Legend**

 Project Area (±15.00 ac)



Esri, HERE, Garmin, (c) OpenStreetMap contributors

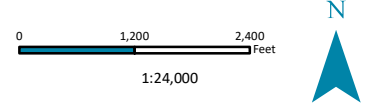


**HEADWATERS**  
WWW.HEADWATERS-INC.COM

**Airbus Helicopters: Solar Farm Area Study**

Sections 1 & 2, Township 18 North, Range 16 East  
Lowndes County, Mississippi

[Site Location Map](#)




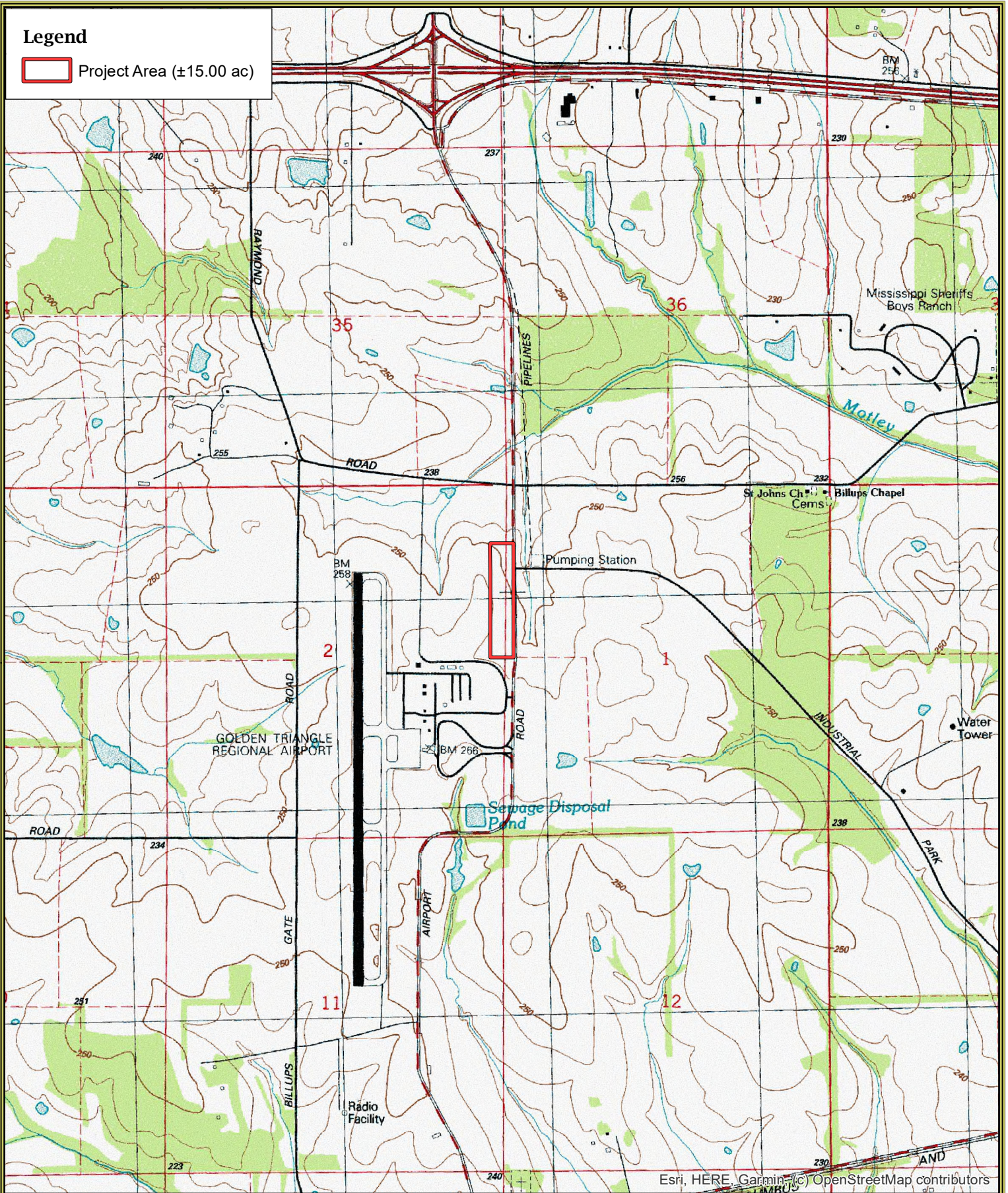
NAD 1983 StatePlane Mississippi East FIPS 2302 Feet

USDA NAIP 2021 Imagery Basemap

Date Created: 10/16/2023 Created by: PGH

**Legend**

 Project Area (±15.00 ac)



Esri, HERE, Garmin, (c) OpenStreetMap contributors




**HEADWATERS**  
WWW.HEADWATERS-INC.COM

Date Created: 10/16/2023      Created by: PGH

**Airbus Helicopters: Solar Farm Area Study**  
Sections 1 & 2, Township 18 North, Range 16 East  
Lowndes County, Mississippi  
[Site Location Map](#)

0      1,200      2,400  
Feet

1:24,000



NAD 1983 StatePlane Mississippi East FIPS 2302 Feet  
USGS 1986 Bent Oak (MS) Quad Basemap

Appendix B  
Biological Resources



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Mississippi Ecological Services Field Office  
6578 Dogwood View Parkway, Suite A  
Jackson, MS 39213-7856  
Phone: (601) 965-4900 Fax: (601) 965-4340

In Reply Refer To:  
Project Code: 2024-0017616  
Project Name: Airbus Helicopters, Inc.

November 17, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

**Migratory Birds:** In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office. Please email consultation requests to [MSFOSection7Consultation@fws.gov](mailto:MSFOSection7Consultation@fws.gov).

---



Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Bald & Golden Eagles
- Migratory Birds

## **OFFICIAL SPECIES LIST**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Mississippi Ecological Services Field Office**

6578 Dogwood View Parkway, Suite A

Jackson, MS 39213-7856

(601) 965-4900

---

## PROJECT SUMMARY

Project Code: 2024-0017616

Project Name: Airbus Helicopters, Inc.

Project Type: Power Gen - Solar

Project Description: This proposed project is approximately 15 acres and is located and situated in Sections 1 & 2, Township 18 North, Range 16 East, Lowndes County, Mississippi.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@33.45812695,-88.58396080915321,14z>



Counties: Lowndes County, Mississippi

---

## ENDANGERED SPECIES ACT SPECIES

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## MAMMALS

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a> General project design guidelines: <a href="https://ipac.ecosphere.fws.gov/project/HSRTUXE5PFE7JMAUZFFKQ5DANM/documents/generated/7127.pdf">https://ipac.ecosphere.fws.gov/project/HSRTUXE5PFE7JMAUZFFKQ5DANM/documents/generated/7127.pdf</a>	Endangered

## REPTILES

NAME	STATUS
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4658">https://ecos.fws.gov/ecp/species/4658</a> General project design guidelines: <a href="https://ipac.ecosphere.fws.gov/project/HSRTUXE5PFE7JMAUZFFKQ5DANM/documents/generated/7127.pdf">https://ipac.ecosphere.fws.gov/project/HSRTUXE5PFE7JMAUZFFKQ5DANM/documents/generated/7127.pdf</a>	Proposed Threatened

---

## INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a> General project design guidelines: <a href="https://ipac.ecosphere.fws.gov/project/HSRTUXE5PFE7JMAUZFFKQ5DANM/documents/generated/7127.pdf">https://ipac.ecosphere.fws.gov/project/HSRTUXE5PFE7JMAUZFFKQ5DANM/documents/generated/7127.pdf</a>	Candidate

## FLOWERING PLANTS

NAME	STATUS
Price's Potato-bean <i>Apios priceana</i> Population: No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7422">https://ecos.fws.gov/ecp/species/7422</a> General project design guidelines: <a href="https://ipac.ecosphere.fws.gov/project/HSRTUXE5PFE7JMAUZFFKQ5DANM/documents/generated/7127.pdf">https://ipac.ecosphere.fws.gov/project/HSRTUXE5PFE7JMAUZFFKQ5DANM/documents/generated/7127.pdf</a>	Threatened

## CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

## BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act<sup>1</sup> and the Migratory Bird Treaty Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats<sup>3</sup>, should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

- 
1. The [Bald and Golden Eagle Protection Act](#) of 1940.
  2. The [Migratory Birds Treaty Act](#) of 1918.
-

## 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

**There are bald and/or golden eagles in your project area.**

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a>	Breeds Sep 1 to Jul 31

**PROBABILITY OF PRESENCE SUMMARY**

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read the supplemental information and specifically the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

**Probability of Presence (■)**

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

**Breeding Season (■)**

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

**Survey Effort (|)**

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

**No Data (—)**

A week is marked as having no data if there were no survey events for that week.

---

■ probability of presence   ■ breeding season   | survey effort   — no data

SPECIES      JAN    FEB    MAR    APR    MAY    JUN    JUL    AUG    SEP    OCT    NOV    DEC

---

Bald Eagle  
Non-BCC  
Vulnerable



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

## MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats<sup>3</sup> should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
American Kestrel <i>Falco sparverius paulus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/9587">https://ecos.fws.gov/ecp/species/9587</a>	Breeds Apr 1 to Aug 31
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a>	Breeds Sep 1 to Jul 31

NAME	BREEDING SEASON
<b>Chimney Swift <i>Chaetura pelagica</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9406">https://ecos.fws.gov/ecp/species/9406</a>	Breeds Mar 15 to Aug 25
<b>Lesser Yellowlegs <i>Tringa flavipes</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9679">https://ecos.fws.gov/ecp/species/9679</a>	Breeds elsewhere
<b>Marbled Godwit <i>Limosa fedoa</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9481">https://ecos.fws.gov/ecp/species/9481</a>	Breeds elsewhere
<b>Painted Bunting <i>Passerina ciris</i></b> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/9511">https://ecos.fws.gov/ecp/species/9511</a>	Breeds Apr 25 to Aug 15
<b>Pectoral Sandpiper <i>Calidris melanotos</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9561">https://ecos.fws.gov/ecp/species/9561</a>	Breeds elsewhere
<b>Prothonotary Warbler <i>Protonotaria citrea</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9439">https://ecos.fws.gov/ecp/species/9439</a>	Breeds Apr 1 to Jul 31
<b>Rusty Blackbird <i>Euphagus carolinus</i></b> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/9478">https://ecos.fws.gov/ecp/species/9478</a>	Breeds elsewhere

## PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read the supplemental information and specifically the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

### Breeding Season (■)

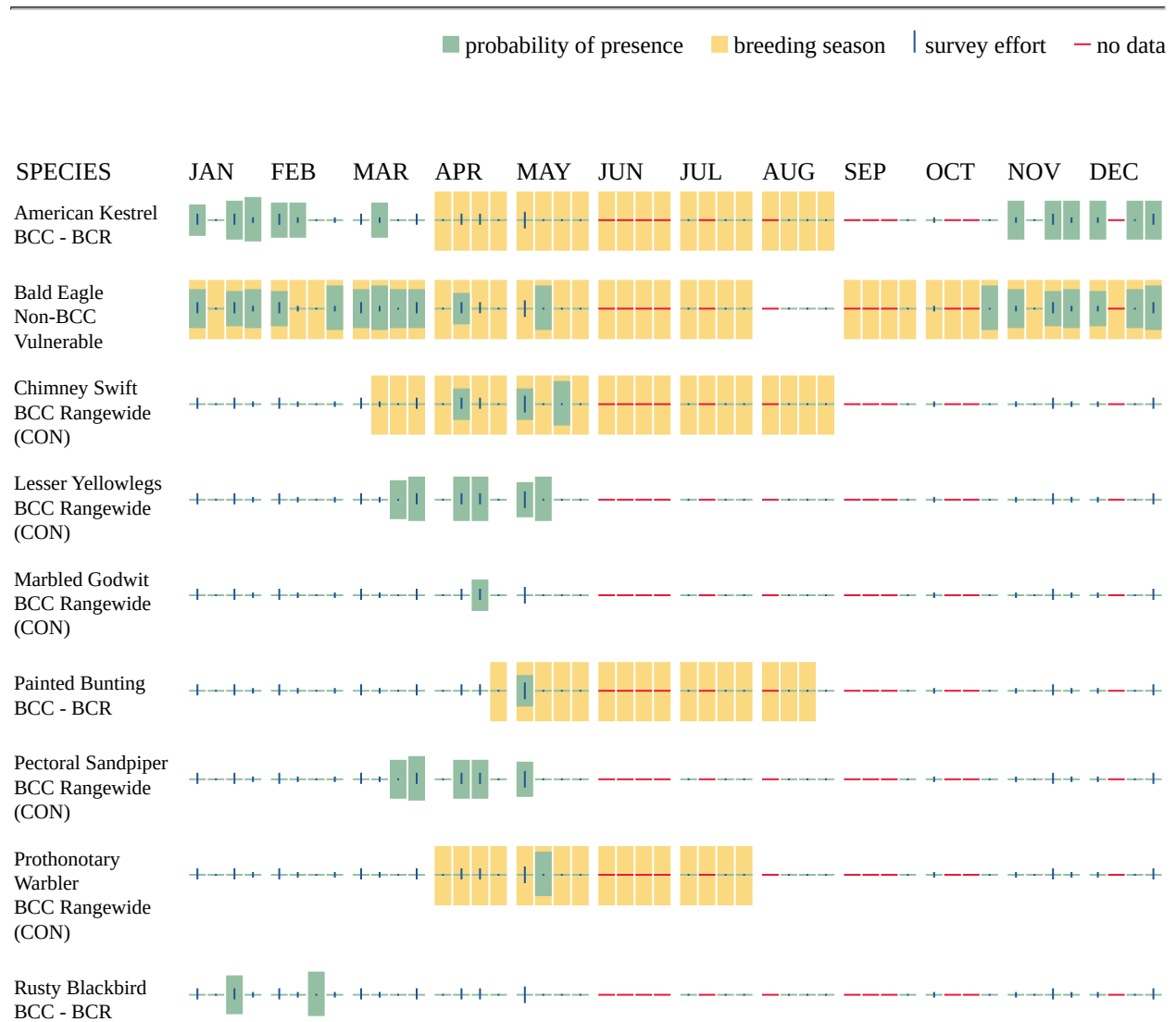
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

**Survey Effort (|)**

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

**No Data (-)**

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>



- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
  - Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>
-

## **IPAC USER CONTACT INFORMATION**

Agency: Headwaters, Inc.

Name: Molly Nanney

Address: P.O. Box 3658

City: Tupelo

State: MS

Zip: 38803

Email [mollyknanney@gmail.com](mailto:mollyknanney@gmail.com)

Phone: 6624019208

---



January 22, 2024

Cary Cannon, P.E., CSP  
Senior Manager – Environment  
Airbus Helicopters, Inc.  
2701 North Forum Drive  
Grand Prairie, TX 75052

**RE: Airbus Helicopters, Inc.  
Approximately 15.0 Acres  
Lowndes County, MS  
Habitat Assessment**

Dear Mr. Cannon:

As per your request, Headwaters, Inc. has completed an endangered species assessment on the above referenced site located in Lowndes County, Mississippi. To begin the review process, Headwaters, Inc. generated an Official Species List dated November 17, 2023, from the Information for Planning and Consultation (IPaC) website. Based upon the attached correspondence, four (4) federally listed species may occur in the proposed project area or may be affected by the proposed project. These include:

Northern Long-eared Bat	<i>Myotis septentrionalis</i>	Endangered
Alligator Snapping Turtle	<i>Macrochelys temminckii</i>	Proposed Threatened
Monarch Butterfly	<i>Danaus plexippus</i>	Candidate
Price’s Potato-bean	<i>Apios priceana</i>	Threatened

**Action Area and Project Description**

The subject property is located west of Airport Road in Lowndes County, Mississippi and consists of approximately 15.0 acres. More specifically, the property is situated in Sections 1 & 2, Township 18 North, Range 16 East, Lowndes County, Mississippi. The project site may also be referenced by Global Positioning System (GPS) coordinates 33.458137, -88.583925. The exact physical location of the project site is depicted on the attached copy of the 2021 USDA National Agricultural Imagery Program (NAIP) aerial imagery and the USGS 1986 Bent Oak, Mississippi 7.5 Minute Topographic Quadrangle Map.

The purpose of this document is to assess the effects of the proposed action on federally protected resources. Airbus Helicopters, Inc. proposes to construct a solar electrical generation facility within 15.0 acres to provide electricity to their adjacent facility. The site assessment was conducted on October 20, 2023.

Terrain in the project area can be described as relatively flat and manipulated with the development of the adjacent industrial areas. The project is in the Black Warrior-Tombigbee (USGS HUC #031601) watersheds and Middle Tombigbee-Lubbub (USGS HUC #03160106) sub-basins. The project is in the Alabama and Mississippi Blackland Prairie (135A) Major Land

Resource Area portions of the South Atlantic and Gulf Slope Cash Crops, Forest, and Livestock Region (LRR P) as described by the Natural Resources Conservation Service (NRCS). Dominant land use in the area is industrial and agriculture. The initial review revealed that the entire subject property can best be currently described open field habitat that undergoes regular mowing and maintenance.

Plant communities in the project area consisted of herbaceous vegetation that is regularly mowed and maintained. No water features or woody vegetation are present within the site. Vegetation consisted of Bermuda grass (*Cynodon dactylon*), bahiagrass (*Paspalum notatum*), Johnson grass (*Sorghum halepense*), curly dock (*Rumex crispus*), and dandelion (*Taraxacum officinale*).

Soils found on the property are Griffith silty clay, 0 to 2 percent slopes, occasionally flooded (Gr), Okolona silty clay, 0 to 1 percent slopes (OkA), and Okolona silty clay, 1 to 3 percent slopes (OkB). Each of these soils is classified as not hydric (0%) by the USDA NRCS.

### **Species/Suitable Habitat Evaluated**

The Northern long-eared bat (NLEB) was proposed for reclassification as endangered under the Endangered Species Act (ESA) in 2022 and was reclassified as endangered in early 2023. Current USFWS guidelines identifies potential suitable roost habitat for the NLEB as trees or snags with a diameter at breast height (dbh) greater than 3 inches in diameter that have exfoliating bark, cracks, crevices, and/or cavities. If no suitable roost habitat exists on the project site, then a “no effect” determination may be made with regards to the NLEB, and no further consultation with the USFWS will be required. If potential suitable roost habitat exists on the project site, then a “may affect, but not likely to adversely affect” determination may be made with regards to the NLEB, provided the project does not cause, or reasonably certain to cause, intentional take of the NLEB. The USFWS recommends that any tree removal activities take place in the non-maternity (inactive) season for the NLEB. If tree clearing of suitable habitat greater than 10 acres is proposed during the maternity (active) season, then the project “may affect” the NLEB, and further consultation with the USFWS will be required, possibly to include a species habitat survey. Regarding the presence of the NLEB or suitable habitat in the project area, there are no trees within the site. Therefore, there is no suitable habitat for the NLEB, and the project will have “no effect” on the NLEB.

The Alligator snapping turtle is currently listed as a proposed threatened species under the ESA with a proposed Section 4(d) rule to provide for its conservation. Proposed threatened species are not protected by the take prohibitions of Section 9 of the ESA, consistent with any protective regulations finalized under Section 4(d) of the ESA until the rule to list is finalized. Under Section 7(a)(4) of the ESA, federal agencies must confer with the USFWS if their action will jeopardize the continued existence of a proposed species. According to the USFWS, the alligator snapping turtle is associated with deep water (large rivers, major tributaries, bayous, canals, swamps, lakes, ponds, and oxbows), with shallower water occupied in early summer and deeper depths in late summer and mid-winter. Most nesting occurs from May to July, with nest sites observed across a range of distances (8 to 656 ft) landward from the nearest waterbody. They are also associated with structure (tree root masses, stumps, submerged trees, etc.) and may occupy areas with a high percentage of canopy cover or undercut stream banks. Regarding the presence of the Alligator

snapping turtle or suitable habitat in the project area, there is no suitable habitat within the site. Therefore, this project will have “no effect” on the Alligator snapping turtle.

The Monarch butterfly is currently listed as a candidate for the ESA and requires no Section 7 action at this time. Monarch butterflies have contrasting colors of black and orange with a wingspan of 3 to 4 inches. Threats to this species include habitat loss/fragmentation and pesticide use that can destroy milkweed which the butterfly depends on for survival. The vegetation on site undergoes routine mowing and maintenance. As such, no suitable habitat consisting of milkweed exists on the property and the proposed project should have “no effect” on the Monarch butterfly.

Price’s Potato-bean is an herbaceous, twining vine that belongs to the pea family. It is often found in wooded areas that grade into creeks and river bottoms and may also be found along forested margins or powerline and road rights-of-way. According to the USFWS 2022 review, only four (4) populations are known to occur within Mississippi within Kemper, Lee, and Oktibbeha counties. In Mississippi, the plants at the known occurrence sites generally grow in a mesic, deciduous forest covering a calcareous, north-facing slope above a broad expanse of the Northeast Prairie Belt. The site is flat and contains no woody vegetation and undergoes regular mowing and maintenance. Therefore, the site has no suitable habitat for Price’s Potato-bean, and the project will have “no effect” on the species.

#### **Species Effect Determinations**

Based upon our field survey and assessment of the habitat types present, it is our determination that the proposed project will have no effect on any of the listed species. The site undergoes regular mowing and maintenance and consists of only herbaceous vegetation. There are no water features or wetlands within the site.

#### **Critical Habitat Effect Determinations**

According to IPaC, there are no critical habitats within the project area. Therefore, the proposed action should have no effect on critical habitat.

#### **Other Federal Trust Resources Considered**

IPaC also indicated the potential presence of migratory birds and/or other bird species of concern within the vicinity of the action area including the American Kestrel (*Falco sparverius Paulus*), Bald Eagle (*Haliaeetus leucocephalus*) Chimney Swift (*Chaetura pelagica*), Lesser Yellowlegs (*Tringa flavipes*), Marbled Godwit (*Limosa fedoa*), Painted Bunting (*Passerina ciris*), Pectoral Sandpiper (*Calidris melanotos*), Prothonotary Warbler (*Protonotaria citrea*), and Rusty Blackbird (*Euphagus carolinus*). Efforts will be made to try to avoid and minimize impacts to the birds on this list.

#### **Conclusion**

Given the results of the assessment and information provided herein, we would have found the actions will have “no effect” on any of the listed species.

As always, we really appreciate your assistance in this matter. If you have any questions or need any additional information, please do not hesitate to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dillon Easley". The signature is fluid and cursive, with the first and last names being more prominent.

Dillon Easley  
Environmental Specialist  
Registered Forester, No. 2771

Attachments

Appendix C  
EDR

**Airbus Helicopters Solar Farm Area Study**

Airport Road

Columbus, MS 39701

Inquiry Number: 7473340.2s

October 18, 2023

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



# TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	8
Orphan Summary .....	167
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting SSURGO Soil Map .....	A-5
Physical Setting Source Map .....	A-10
Physical Setting Source Map Findings .....	A-12
Physical Setting Source Records Searched .....	PSGR-1

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. **NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA) INFORMATION PROVIDED IN THIS REPORT.** Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

AIRPORT ROAD  
COLUMBUS, MS 39701

#### COORDINATES

Latitude (North): 33.4581370 - 33° 27' 29.29"  
Longitude (West): 88.5839250 - 88° 35' 2.13"  
Universal Transverse Mercator: Zone 16  
UTM X (Meters): 352795.1  
UTM Y (Meters): 3703007.2  
Elevation: 253 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 16686468 BENT OAK, MS  
Version Date: 2020

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20200612  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
 AIRPORT ROAD  
 COLUMBUS, MS 39701

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
<a href="#">A1</a>	RAS INC	1900 AIRPORT ROAD	UST	Lower	1 ft.
<a href="#">A2</a>	JIM RATLIFF AIR SERV	1900 AIRPORT ROAD	FINDS	Lower	1 ft.
<a href="#">A3</a>	RAS INCORPORATED	1900 AIRPORT ROAD	FINDS	Lower	1 ft.
<a href="#">A4</a>	JIM RATLIFF AIR SERV	1900 AIRPORT ROAD	UST	Lower	1 ft.
<a href="#">A5</a>	JIM RATLIFF AIR SERV	1900 AIRPORT ROAD	PERMITS	Lower	1 ft.
<a href="#">A6</a>	RAS INCORPORATED	1900 AIRPORT ROAD	PERMITS	Lower	1 ft.
<a href="#">B7</a>	COLUMBUS ROLL SHOP D		PFAS ECHO	Higher	181, 0.034, SSE
<a href="#">B8</a>	PRIMETALS TECHNOLOGI		PFAS ECHO	Higher	245, 0.046, SSE
<a href="#">9</a>	JR'S GET IT & GO	65 INDUSTRIAL PARK R	UST	Lower	354, 0.067, NE
<a href="#">C10</a>	STEEL DYNAMICS COLUM	1945 AIRPORT ROAD	RCRA-LQG	Higher	1121, 0.212, South
<a href="#">C11</a>	COLUMBUS ROLL SHOP D	1949 AIRPORT RD (IN	RCRA-LQG	Higher	1132, 0.214, South
<a href="#">C12</a>	PRIMETALS TECHNOLOGI	1961 AIRPORT RD	RCRA-SQG	Higher	1163, 0.220, South
<a href="#">13</a>	GOLDEN TRIANGLE REGI	2080 AIRPORT ROAD	LUST, UST, ASBESTOS, NPDES, PERMITS	Higher	2120, 0.402, South

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Lists of Federal NPL (Superfund) sites***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Lists of Federal Delisted NPL sites***

Delisted NPL..... National Priority List Deletions

### ***Lists of Federal sites subject to CERCLA removals and CERCLA orders***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Lists of Federal CERCLA sites with NFRAP***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***Lists of Federal RCRA facilities undergoing Corrective Action***

CORRACTS..... Corrective Action Report

### ***Lists of Federal RCRA TSD facilities***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Lists of Federal RCRA generators***

RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROLS..... Institutional Controls Sites List

# EXECUTIVE SUMMARY

## ***Federal ERNS list***

ERNS..... Emergency Response Notification System

## ***Lists of state- and tribal hazardous waste facilities***

SHWS..... CERCLA/Uncontrolled Sites File List

## ***Lists of state and tribal landfills and solid waste disposal facilities***

SWF/LF..... Solid Waste Landfills

DEBRIS..... Debris Site Locations Listing

## ***Lists of state and tribal leaking storage tanks***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

## ***Lists of state and tribal registered storage tanks***

FEMA UST..... Underground Storage Tank Listing

AST..... Aboveground Storage Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

## ***State and tribal institutional control / engineering control registries***

ENG CONTROLS..... Sites with Engineering Controls

INST CONTROL..... Sites with Institutional Controls

## ***Lists of state and tribal voluntary cleanup sites***

VCP..... Voluntary Evaluation Program Sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

## ***Lists of state and tribal brownfield sites***

BROWNFIELDS..... Uncontrolled Sites List

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

SWTIRE..... Commercial Waste Tire Haulers

SWRCY..... Mississippi Recycling Directory

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

### ***Local Lists of Hazardous waste / Contaminated Sites***

US HIST CDL..... Delisted National Clandestine Laboratory Register

## EXECUTIVE SUMMARY

US CDL..... National Clandestine Laboratory Register

### **Local Land Records**

LIENS 2..... CERCLA Lien Information

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System

### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
FUDS..... Formerly Used Defense Sites  
DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 2020 Corrective Action Program List  
TSCA..... Toxic Substances Control Act  
TRIS..... Toxic Chemical Release Inventory System  
SSTS..... Section 7 Tracking Systems  
ROD..... Records Of Decision  
RMP..... Risk Management Plans  
RAATS..... RCRA Administrative Action Tracking System  
PRP..... Potentially Responsible Parties  
PADS..... PCB Activity Database System  
ICIS..... Integrated Compliance Information System  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
MLTS..... Material Licensing Tracking System  
COAL ASH DOE..... Steam-Electric Plant Operation Data  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
PCB TRANSFORMER..... PCB Transformer Registration Database  
RADINFO..... Radiation Information Database  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
DOT OPS..... Incident and Accident Data  
CONSENT..... Superfund (CERCLA) Consent Decrees  
INDIAN RESERV..... Indian Reservations  
FUSRAP..... Formerly Utilized Sites Remedial Action Program  
UMTRA..... Uranium Mill Tailings Sites  
LEAD SMELTERS..... Lead Smelter Sites  
US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
US MINES..... Mines Master Index File  
ABANDONED MINES..... Abandoned Mines  
MINES MRDS..... Mineral Resources Data System  
ECHO..... Enforcement & Compliance History Information  
DOCKET HWC..... Hazardous Waste Compliance Docket Listing  
UXO..... Unexploded Ordnance Sites  
FUELS PROGRAM..... EPA Fuels Program Registered Listing  
PFAS NPL..... Superfund Sites with PFAS Detections Information  
PFAS FEDERAL SITES..... Federal Sites PFAS Information  
PFAS TRIS..... List of PFAS Added to the TRI  
PFAS TSCA..... PFAS Manufacture and Imports Information  
PFAS RCRA MANIFEST..... PFAS Transfers Identified In the RCRA Database Listing

## EXECUTIVE SUMMARY

PFAS ATSDR.....	PFAS Contamination Site Location Listing
PFAS WQP.....	Ambient Environmental Sampling for PFAS
PFAS NPDES.....	Clean Water Act Discharge Monitoring Information
PFAS ECHO FIRE TRAINING.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT.....	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC.....	Aqueous Foam Related Incidents Listing
BIOSOLIDS.....	ICIS-NPDES Biosolids Facility Data
AIRS.....	Air Quality Information Listing
ASBESTOS.....	Asbestos Project Listing
DRYCLEANERS.....	Drycleaner Facilities Listing
NPDES.....	Industrial & Municipal NPDES Facilities
UIC.....	UIC Information

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### STANDARD ENVIRONMENTAL RECORDS

#### ***Lists of Federal RCRA generators***

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity

## EXECUTIVE SUMMARY

generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 07/24/2023 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STEEL DYNAMICS COLUM EPA ID:: MSR000103143	1945 AIRPORT ROAD	S 1/8 - 1/4 (0.212 mi.)	C10	15
COLUMBUS ROLL SHOP D EPA ID:: MSR000103945	1949 AIRPORT RD (IN	S 1/8 - 1/4 (0.214 mi.)	C11	75

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 07/24/2023 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PRIMETALS TECHNOLOGI EPA ID:: MSR000104646	1961 AIRPORT RD	S 1/8 - 1/4 (0.220 mi.)	C12	96

### ***Lists of state and tribal leaking storage tanks***

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's LUST Status Report.

A review of the LUST list, as provided by EDR, and dated 06/20/2023 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>GOLDEN TRIANGLE REGI</b> Facility Id: 9121 Status Code: NFA	<b>2080 AIRPORT ROAD</b>	<b>S 1/4 - 1/2 (0.402 mi.)</b>	<b>13</b>	<b>155</b>

### ***Lists of state and tribal registered storage tanks***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Underground Storage Tanks list.

A review of the UST list, as provided by EDR, and dated 06/20/2023 has revealed that there are 3 UST



## EXECUTIVE SUMMARY

sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RAS INC Facility Id: 184	1900 AIRPORT ROAD	0 - 1/8 (0.000 mi.)	A1	8
JIM RATLIFF AIR SERV Facility Id: 11049	1900 AIRPORT ROAD	0 - 1/8 (0.000 mi.)	A4	9
JR'S GET IT & GO Facility Id: 12775	65 INDUSTRIAL PARK R	NE 0 - 1/8 (0.067 mi.)	9	13

### ADDITIONAL ENVIRONMENTAL RECORDS

#### ***Other Ascertainable Records***

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 05/04/2023 has revealed that there are 2 FINDS sites within approximately 0.001 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JIM RATLIFF AIR SERV Registry ID:: 110044421499	1900 AIRPORT ROAD	0 - 1/8 (0.000 mi.)	A2	8
RAS INCORPORATED Registry ID:: 110044421122	1900 AIRPORT ROAD	0 - 1/8 (0.000 mi.)	A3	9

PFAS ECHO: Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

A review of the PFAS ECHO list, as provided by EDR, and dated 07/05/2023 has revealed that there are 2 PFAS ECHO sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COLUMBUS ROLL SHOP D		SSE 0 - 1/8 (0.034 mi.)	B7	11
PRIMETALS TECHNOLOGI		SSE 0 - 1/8 (0.046 mi.)	B8	12

## EXECUTIVE SUMMARY

PERMITS: Regulatory programs that are supported by this database are the Surface Water National Pollutant Discharge Elimination System (NPDES) Program; the Air Title V, Construction and Operating Programs; and the Solid and Hazardous Waste Programs.

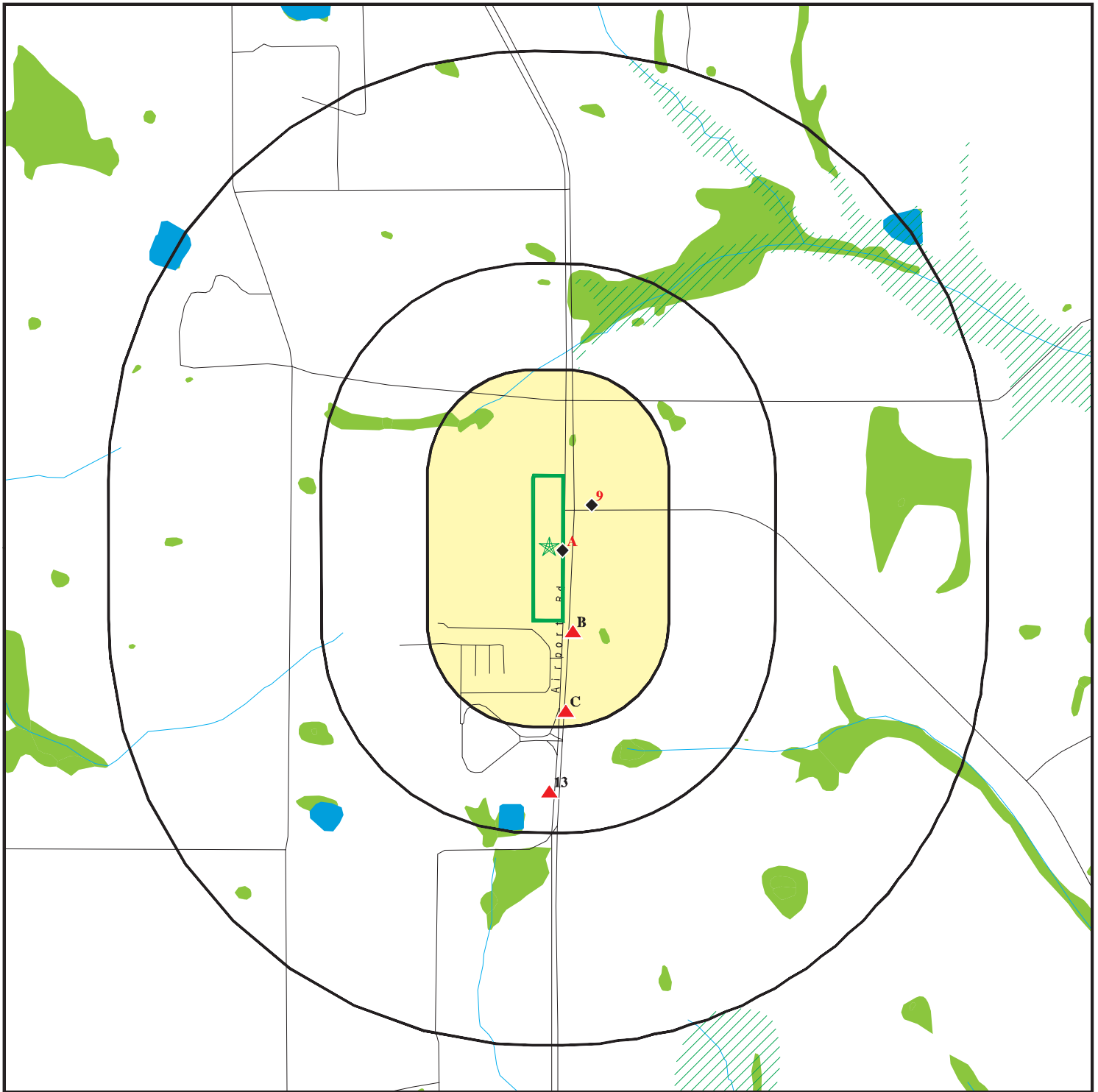
A review of the PERMITS list, as provided by EDR, and dated 03/28/2023 has revealed that there are 2 PERMITS sites within approximately 0.001 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
JIM RATLIFF AIR SERV AI Id: 28417	1900 AIRPORT ROAD	0 - 1/8 (0.000 mi.)	A5	10
RAS INCORPORATED AI Id: 28408	1900 AIRPORT ROAD	0 - 1/8 (0.000 mi.)	A6	10

## EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 7473340.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

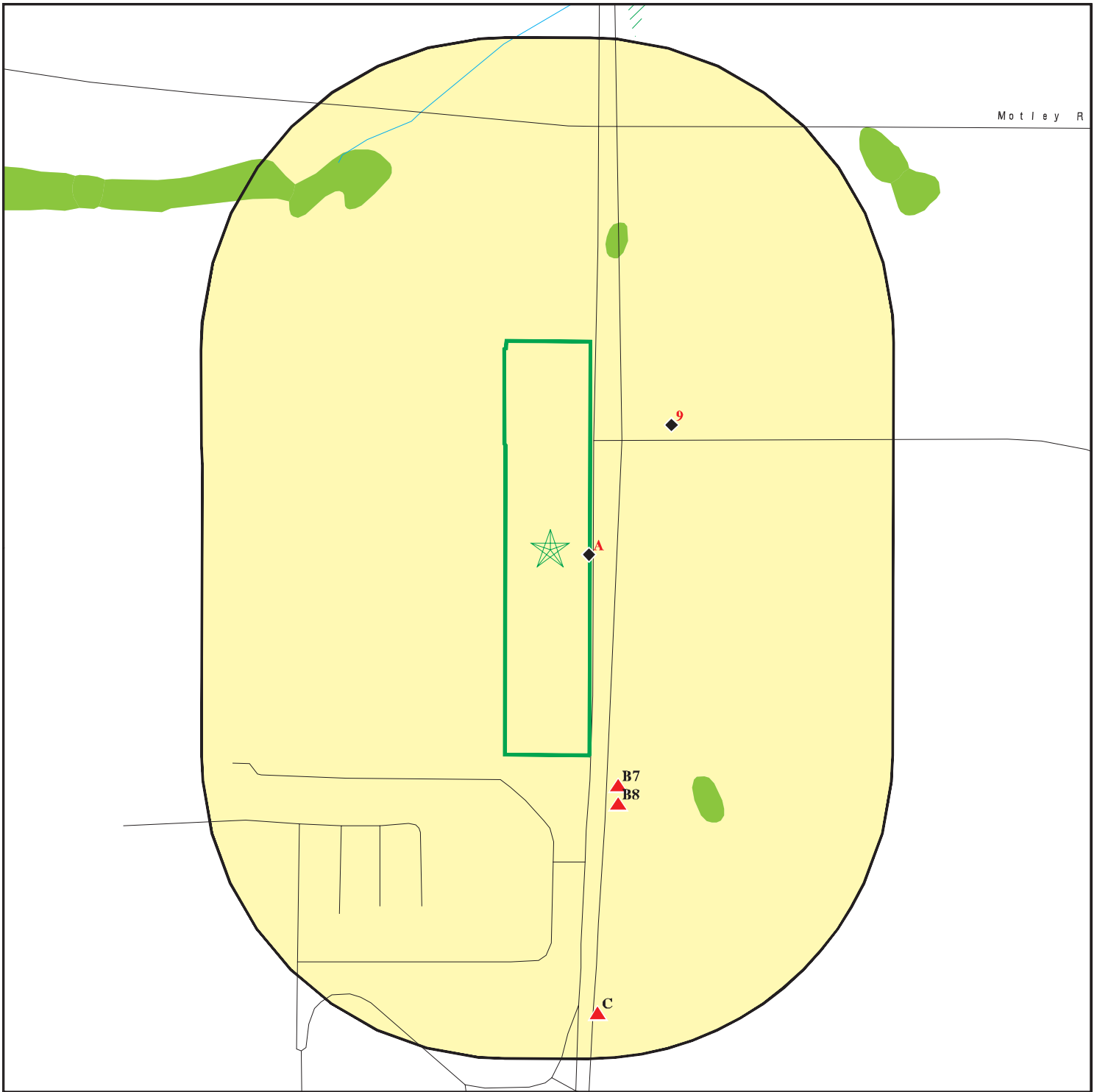
State Wetlands








This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.






SITE NAME: Airbus Helicopters Solar Farm Area Study  
 ADDRESS: Airport Road  
 Columbus MS 39701  
 LAT/LONG: 33.458137 / 88.583925

CLIENT: Headwaters Inc.  
 CONTACT: Pamela Hall  
 INQUIRY #: 7473340.2S  
 DATE: October 18, 2023 10:26 am

# DETAIL MAP - 7473340.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Airbus Helicopters Solar Farm Area Study  
 ADDRESS: Airport Road  
 Columbus MS 39701  
 LAT/LONG: 33.458137 / 88.583925

CLIENT: Headwaters Inc.  
 CONTACT: Pamela Hall  
 INQUIRY #: 7473340.2s  
 DATE: October 18, 2023 10:26 am

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Lists of Federal NPL (Superfund) sites</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Lists of Federal Delisted NPL sites</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Lists of Federal CERCLA sites with NFRAP</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Lists of Federal RCRA facilities undergoing Corrective Action</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Lists of Federal RCRA TSD facilities</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Lists of Federal RCRA generators</i></b>								
RCRA-LQG	0.250		0	2	NR	NR	NR	2
RCRA-SQG	0.250		0	1	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	0.001		0	NR	NR	NR	NR	0
<b><i>Lists of state- and tribal hazardous waste facilities</i></b>								
SHWS	1.000		0	0	0	0	NR	0
<b><i>Lists of state and tribal landfills and solid waste disposal facilities</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
DEBRIS	0.500		0	0	0	NR	NR	0
<b><i>Lists of state and tribal leaking storage tanks</i></b>								
LUST	0.500		0	0	1	NR	NR	1

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>Lists of state and tribal registered storage tanks</i></b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		3	0	NR	NR	NR	3
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b><i>State and tribal institutional control / engineering control registries</i></b>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Lists of state and tribal voluntary cleanup sites</i></b>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b><i>Lists of state and tribal brownfield sites</i></b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
SWTIRE	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<b><i>Local Land Records</i></b>								
LIENS 2	0.001		0	NR	NR	NR	NR	0
<b><i>Records of Emergency Release Reports</i></b>								
HMIRS	0.001		0	NR	NR	NR	NR	0
<b><i>Other Ascertainable Records</i></b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	0.001		2	NR	NR	NR	NR	2
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		2	0	NR	NR	NR	2
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0



## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PERMITS	0.001		2	NR	NR	NR	NR	2
UIC	0.001		0	NR	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	9	3	1	0	0	13

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A1**      **RAS INC**  
**1900 AIRPORT ROAD**  
**< 1/8**    **COLUMBUS, MS 39701**  
**1 ft.**  
**Site 1 of 6 in cluster A**

**UST**    **U001301800**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**250 ft.**

**UST:**  
 Name: RAS INC  
 Address: 1900 AIRPORT ROAD  
 City,State,Zip: COLUMBUS, MS 39701  
 Facility ID: 184  
 Owner ID: 1180028  
 Owner Name: RAS Inc  
 Owner Address: 1900 Airport Road  
 Owner City: Columbus  
 Owner State: MS  
 Owner Zip: 39701  
 Owner Phone: (662)328-9312  
 Tank Index: 1  
 Tank Status: Temporarily Out of Service Indefinitely  
 Tank Capacity: 12000  
 Substance: Avgas  
 Date Last Use: 12/3/1998 0:00  
 Date Closed: Not reported  
 Closure Status: Not reported  
 Tank Material: Fiberglass Reinforced Plastic  
 Tank Mod Desc: None  
 Overfill Type: Drop Tube Device  
 Tank LD: Groundwater/Vapor Monitoring  
 Tank Type: Normal  
 Date Install Tank: 1/1/1984 0:00  
 Pipe Index: 1  
 Pipe Status: Permanently Out of Use  
 Pipe Material: Coated/Wrapped Steel  
 Pipe Mod Desc: Cathodically Protected  
 Pipe LD: Groundwater/Vapor Monitoring  
 Pipe Type: Pressurized  
 Pipe Install Date: 1/1/1984 0:00  
 Pipe Manufacturer: Not reported  
 Pipe Date Closed: 2/23/2010 0:00  
 Pipe Close Status: Removed from Ground  
 Latitude Degree: 33  
 Latitude Minutes: 27  
 Latitude Seconds: 17.69  
 Longitude Degree: 88  
 Longitude Minutes: 35  
 Longitude Seconds: 10.68

**A2**      **JIM RATLIFF AIR SERVICE INCORPORATED**  
**1900 AIRPORT ROAD**  
**< 1/8**    **COLUMBUS, MS 39701**  
**1 ft.**  
**Site 2 of 6 in cluster A**

**FINDS**    **1016015678**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**250 ft.**

**FINDS:**  
 Registry ID: 110044421499  
 Click Here for FRS Facility Detail Report:  
 Environmental Interest/Information System:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**JIM RATLIFF AIR SERVICE INCORPORATED (Continued)**

**1016015678**

The Mississippi Department of Environmental Quality (MDEQ), Office of Pollution Controls (OPC) maintains ENSITE, the Electronic Environmental Site Information System that regulates compliance assurance, permitting, activity tracking, and maintenance of a single agency interest-link to master file.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**A3**  
**RAS INCORPORATED**  
**1900 AIRPORT ROAD**  
**COLUMBUS, MS 39701**  
 < 1/8  
 1 ft.  
**Site 3 of 6 in cluster A**

**FINDS 1016015660**  
**N/A**

**Relative:** FINDS:  
**Lower** Registry ID: 110044421122

**Actual:** Click Here for FRS Facility Detail Report:  
**250 ft.**

Environmental Interest/Information System:  
 The Mississippi Department of Environmental Quality (MDEQ), Office of Pollution Controls (OPC) maintains ENSITE, the Electronic Environmental Site Information System that regulates compliance assurance, permitting, activity tracking, and maintenance of a single agency interest-link to master file.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

**A4**  
**JIM RATLIFF AIR SERVICE INC**  
**1900 AIRPORT ROAD**  
**COLUMBUS, MS 39701**  
 < 1/8  
 1 ft.  
**Site 4 of 6 in cluster A**

**UST U004193853**  
**N/A**

**Relative:** UST:  
**Lower** Name: JIM RATLIFF AIR SERVICE INC  
**Actual:** Address: 1900 AIRPORT ROAD  
**250 ft.** City,State,Zip: COLUMBUS, MS 39701  
 Facility ID: 11049  
 Owner ID: 1180840  
 Owner Name: Jim Ratliff Air Service Inc  
 Owner Address: 1900 Airport Road  
 Owner City: Columbus  
 Owner State: MS  
 Owner Zip: 39701  
 Owner Phone: (662)328-9436  
 Tank Index: 1  
 Tank Status: Permanently Out of Use  
 Tank Capacity: 12000  
 Substance: Gasoline  
 Date Last Use: 12/22/1987 0:00  
 Date Closed: 12/22/1987 0:00  
 Closure Status: Closed in Place  
 Tank Material: Asphalt Coated or Bare Steel  
 Tank Mod Desc: None  
 Overfill Type: Not reported  
 Tank LD: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JIM RATLIFF AIR SERVICE INC (Continued)**

**U004193853**

Tank Type: Normal  
Date Install Tank: 1/1/1981 0:00  
Pipe Index: 1  
Pipe Status: Permanently Out of Use  
Pipe Material: Coated/Wrapped Steel  
Pipe Mod Desc: Cathodically Protected  
Pipe LD: Not Listed  
Pipe Type: Not reported  
Pipe Install Date: 1/1/1981 0:00  
Pipe Manufacturer: Not reported  
Pipe Date Closed: 12/22/1987 0:00  
Pipe Close Status: Closed in Place  
Latitude Degree: 33  
Latitude Minutes: 26  
Latitude Seconds: 57.03  
Longitude Degree: 88  
Longitude Minutes: 35  
Longitude Seconds: 1.73

**A5**

**JIM RATLIFF AIR SERVICE INCORPORATED  
1900 AIRPORT ROAD  
COLUMBUS, MS 39701**

**PERMITS S127358230  
N/A**

< 1/8  
1 ft.

**Site 5 of 6 in cluster A**

**Relative:  
Lower  
Actual:  
250 ft.**

MS PERMIT:  
Name: JIM RATLIFF AIR SERVICE INCORPORATED  
Address: 1900 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
AI Id: 28417  
Mailing Address: 1900 AIRPORT ROAD; COLUMBUS, MS 39701  
Branch: Not reported  
SIC: 5541  
Basin: None  
Start Date: 04/15/1991  
End Date: Not reported

**A6**

**RAS INCORPORATED  
1900 AIRPORT ROAD  
COLUMBUS, MS 39701**

**PERMITS S127358222  
N/A**

< 1/8  
1 ft.

**Site 6 of 6 in cluster A**

**Relative:  
Lower  
Actual:  
250 ft.**

MS PERMIT:  
Name: RAS INCORPORATED  
Address: 1900 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
AI Id: 28408  
Mailing Address: 1900 AIRPORT ROAD; COLUMBUS, MS 39701  
Branch: Not reported  
SIC: 5541  
Basin: None  
Start Date: 04/15/1991  
End Date: Not reported



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1027344311**

CWA Permit Types: -  
 CWA NAICS: -  
 CWA SICS: -  
 RCRA IDS: MSR000103945  
 RCRA Permit Types: LQG  
 RCRA NAICS: 332813  
 SDWA IDS: -  
 SDWA System Types: -  
 SDWA Compliance Status: -  
 SDWA SNC Flag: N  
 TRI IDS: 39701CLMBS1949A  
 TRI Releases Transfers: 8402  
 TRI On Site Releases: 0  
 TRI Off Site Transfers: 8,402  
 TRI Reporter: Y  
 Facility IMP Water Flag: -  
 EJSCREEN Flag US: Y  
 EJSCREEN Report: [https://ejscreen.epa.gov/mapper/mobile/EJSCREEN\\_mobile.aspx?geometry=%7B%22x%22:-88.582953,%22y%22:33.455292,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1](https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-88.582953,%22y%22:33.455292,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1)

**B8**  
**SSE**  
 < 1/8  
 0.046 mi.  
 245 ft.

**PRIMETALS TECHNOLOGIES USA LLC**

**PFAS ECHO 1027408916**

**COLUMBUS, MS**

**N/A**

**Site 2 of 2 in cluster B**

**Relative:**  
**Higher**  
**Actual:**  
**257 ft.**

**PFAS ECHO:**  
 Name: PRIMETALS TECHNOLOGIES USA LLC  
 Address: Not reported  
 City,State,Zip: COLUMBUS, MS  
 Latitude: 33.455073  
 Longitude: -88.582955  
 Count: 1  
 County: LOWNDES  
 Status: Active  
 Region: 04  
 Industry: Metal Coating  
 ECHO Facility Report: <https://echo.epa.gov/detailed-facility-report?fid=110040528159>  
 Facility Percent Minority: 32.773  
 Facility Derived Tribes: -  
 Facility Population: 16.94  
 EPA Programs: CWA; RCRA  
 Federal Facility: No  
 Federal Agency: -  
 Facility FIPS Code: 28087  
 Facility Indian Country Flag: N  
 Facility Collection Method: ADDRESS MATCHING-HOUSE NUMBER  
 Facility Derived HUC: 03160106  
 Facility Derived WBD: 031601060101  
 Facility Derived CD113: 01  
 Facility Derived CB2010: 280870010002141  
 Facility Major Flag: -  
 Facility Active Flag: Y  
 Facility Inspection Count: 12  
 Facility Date Last Inspection: 5/4/2023  
 Facility Days Last Inspection: 58

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1027408916**

Facility Informal Count:	2
Facility Date Last Informal Action:	10/11/2019
Facility Formal Action Count:	0
Facility Date Last Formal Action:	11/20/2014
Facility Total Penalties:	0
Facility Penalty Count:	-
Facility Date Last Penalty:	11/20/2014
Facility Last Penalty AMT:	61,867
Facility QTRS With NC:	4
Facility Programs With SNC:	0
Facility Compliance Status:	No Violation Identified
Facility SNC Flag:	N
AIR Flag:	N
NPDES Flag:	Y
SDWIS Flag:	N
RCRA Flag:	Y
TRI Flag:	Y
GHG Flag:	N
AIR IDS:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDS:	MSP092321
CWA Permit Types:	Minor
CWA NAICS:	333516
CWA SICS:	3547
RCRA IDS:	MSR000104646
RCRA Permit Types:	SQG
RCRA NAICS:	333519
SDWA IDS:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA SNC Flag:	N
TRI IDS:	39701SMNSX1961A
TRI Releases Transfers:	803
TRI On Site Releases:	0
TRI Off Site Transfers:	803
TRI Reporter:	Y
Facility IMP Water Flag:	-
EJSCREEN Flag US:	Y
EJSCREEN Report:	<a href="https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-88.582955,%22y%22:33.455073,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1">https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-88.582955,%22y%22:33.455073,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&amp;unit=9035&amp;areatype=&amp;areaid=&amp;basemap=streets&amp;distance=1</a>

**9**  
**NE**  
 < 1/8  
 0.067 mi.  
 354 ft.

**JR'S GET IT & GO**  
**65 INDUSTRIAL PARK ROAD**  
**COLUMBUS, MS 39701**

**UST U004114274**  
**N/A**

**Relative:**  
**Lower**  
**Actual:**  
**244 ft.**

UST:  
 Name: JR'S GET IT & GO  
 Address: 65 INDUSTRIAL PARK ROAD  
 City,State,Zip: COLUMBUS, MS 39701  
 Facility ID: 12775  
 Owner ID: 1137344  
 Owner Name: Midstates Petroleum Company LLC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

JR'S GET IT & GO (Continued)

U004114274

Owner Address: PO Box 510  
Owner City: Vernon  
Owner State: AL  
Owner Zip: 35592  
Owner Phone: (205)695-0018  
Tank Index: 1  
Tank Status: Currently In Use  
Tank Capacity: 20000  
Substance: Multi-Compartment  
Date Last Use: Not reported  
Date Closed: Not reported  
Closure Status: Not reported  
Tank Material: Composite (Steel w/ FRP)  
Tank Mod Desc: Double-Walled  
Overfill Type: Ball Float  
Tank LD: Automatic Tank Gauging  
Tank Type: Not reported  
Date Install Tank: 4/1/2007 0:00  
Pipe Index: 1  
Pipe Status: Currently In Use  
Pipe Material: Fiberglass Reinforced Plastic  
Pipe Mod Desc: Double-Walled  
Pipe LD: Electronic ALLD with 0.2 Test  
Pipe Type: Pressurized  
Pipe Install Date: 4/1/2007 0:00  
Pipe Manufacturer: Smith  
Pipe Date Closed: Not reported  
Pipe Close Status: Not reported  
Latitude Degree: 33  
Latitude Minutes: 27  
Latitude Seconds: 35.35  
Longitude Degree: 88  
Longitude Minutes: 34  
Longitude Seconds: 56.14

Name: JR'S GET IT & GO  
Address: 65 INDUSTRIAL PARK ROAD  
City,State,Zip: COLUMBUS, MS 39701  
Facility ID: 12775  
Owner ID: 1137344  
Owner Name: Midstates Petroleum Company LLC  
Owner Address: PO Box 510  
Owner City: Vernon  
Owner State: AL  
Owner Zip: 35592  
Owner Phone: (205)695-0018  
Tank Index: 2  
Tank Status: Currently In Use  
Tank Capacity: 10000  
Substance: Diesel  
Date Last Use: Not reported  
Date Closed: Not reported  
Closure Status: Not reported  
Tank Material: Composite (Steel w/ FRP)  
Tank Mod Desc: Double-Walled  
Overfill Type: Ball Float  
Tank LD: Automatic Tank Gauging



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**JR'S GET IT & GO (Continued)**

**U004114274**

Tank Type:	Not reported
Date Install Tank:	4/1/2007 0:00
Pipe Index:	2
Pipe Status:	Currently In Use
Pipe Material:	Fiberglass Reinforced Plastic
Pipe Mod Desc:	Double-Walled
Pipe LD:	Electronic ALLD with 0.2 Test
Pipe Type:	Pressurized
Pipe Install Date:	4/1/2007 0:00
Pipe Manufacturer:	Smith
Pipe Date Closed:	Not reported
Pipe Close Status:	Not reported
Latitude Degree:	33
Latitude Minutes:	27
Latitude Seconds:	35.35
Longitude Degree:	88
Longitude Minutes:	34
Longitude Seconds:	56.14

**C10**  
**South**  
**1/8-1/4**  
**0.212 mi.**  
**1121 ft.**

**STEEL DYNAMICS COLUMBUS, LLC**  
**1945 AIRPORT ROAD**  
**COLUMBUS, MS 39703**

**RCRA-LQG 1010322950**  
**MSR000103143**

**Site 1 of 3 in cluster C**

**Relative:**  
**Higher**  
**Actual:**  
**262 ft.**

RCRA Listings:	20230220
Date Form Received by Agency:	Steel Dynamics Columbus, Llc
Handler Name:	1945 AIRPORT ROAD
Handler Address:	COLUMBUS, MS 39703
Handler City,State,Zip:	MSR000103143
EPA ID:	STAN ATKINS
Contact Name:	1945 AIRPORT ROAD
Contact Address:	COLUMBUS, MS 39703
Contact City,State,Zip:	662-245-4242
Contact Telephone:	662-245-4296
Contact Fax:	STAN.ATKINS@STEELDYNAMICS.COM
Contact Email:	ENVIRONMENTAL MANAGER
Contact Title:	04
EPA Region:	Private
Land Type:	Large Quantity Generator
Federal Waste Generator Description:	Not reported
Non-Notifier:	2022
Biennial Report Cycle:	Not reported
Accessibility:	Handler Activities
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	1945 AIRPORT ROAD
Mailing Address:	COLUMBUS, MS 39703
Mailing City,State,Zip:	Steel Dynamics, Inc.
Owner Name:	Private
Owner Type:	Steel Dynamics Columbus, Llc
Operator Name:	Private
Operator Type:	No
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230221
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2021

[Click Here for Biennial Reporting System Data:](#)

Year: 2019

[Click Here for Biennial Reporting System Data:](#)

Year: 2017

[Click Here for Biennial Reporting System Data:](#)

Year: 2015

[Click Here for Biennial Reporting System Data:](#)

Year: 2013

[Click Here for Biennial Reporting System Data:](#)

Year: 2011

[Click Here for Biennial Reporting System Data:](#)

Year: 2009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

[Click Here for Biennial Reporting System Data:](#)  
Year: 2007

[Click Here for Biennial Reporting System Data:](#)

**Hazardous Waste Summary:**

Waste Code: D001  
Waste Description: Ignitable Waste

Waste Code: D002  
Waste Description: Corrosive Waste

Waste Code: D004  
Waste Description: Arsenic

Waste Code: D007  
Waste Description: Chromium

Waste Code: D008  
Waste Description: Lead

Waste Code: D009  
Waste Description: Mercury

Waste Code: D010  
Waste Description: Selenium

Waste Code: D018  
Waste Description: Benzene

Waste Code: D035  
Waste Description: Methyl Ethyl Ketone

Waste Code: D041  
Waste Description: 2,4,5-Trichlorophenol

Waste Code: F002  
Waste Description: The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003  
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F005  
Waste Description: The Following Spent Nonhalogenated Solvents: Toluene, Methyl Ethyl Ketone, Carbon Disulfide, Isobutanol, Pyridine, Benzene, 2-Ethoxyethanol, And 2-Nitropropane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, Or F004; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: K061  
Waste Description: Emission Control Dust/Sludge From The Primary Production Of Steel In Electric Furnaces.

Waste Code: K062  
Waste Description: Spent Pickle Liquor From Steel Finishing Operations Of Plants That Produce Iron Or Steel.

Handler - Owner Operator:

Owner/Operator Indicator: Operator  
Owner/Operator Name: SEVERSTAL COLUMBUS  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: STEEL DYNAMICS, INC.  
Legal Status: Private  
Date Became Current: 20140801  
Date Ended Current: Not reported  
Owner/Operator Address: 7575 WEST JEFFERSON BOULEVARD  
Owner/Operator City,State,Zip: FORT WAYNE, IN 46804  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: STEEL DYNAMICS, INC.  
Legal Status: Private  
Date Became Current: 20140801  
Date Ended Current: Not reported  
Owner/Operator Address: 7575 WEST JEFFERSON BOULEVARD  
Owner/Operator City,State,Zip: FORT WAYNE, IN 46804  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Owner/Operator Indicator: Operator  
Owner/Operator Name: STEEL DYNAMICS COLUMBUS, LLC  
Legal Status: Private  
Date Became Current: 20140801  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: MADHU.RANADE@STEELDYNAMICS.COM

Owner/Operator Indicator: Operator  
Owner/Operator Name: STEEL DYNAMICS COLUMBUS, LLC  
Legal Status: Private  
Date Became Current: 20140801  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: SEVERSTAL INTERNATIONAL  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: 2 /3, UL. KLARA TSETKIN  
Owner/Operator City,State,Zip: MOSCOW, NY 12729  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: SEVERSTAL COULMBUS  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: STEEL DYNAMICS, INC.  
Legal Status: Private  
Date Became Current: 20140801  
Date Ended Current: Not reported  
Owner/Operator Address: 7575 WEST JEFFERSON BOULEVARD  
Owner/Operator City,State,Zip: FORT WAYNE, IN 46804  
Owner/Operator Telephone: 260-969-3500  
Owner/Operator Telephone Ext: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: STEEL DYNAMICS, INC.	
Legal Status:	Private
Date Became Current:	20140801
Date Ended Current:	Not reported
Owner/Operator Address:	7575 WEST JEFFERSON BOULEVARD
Owner/Operator City,State,Zip:	FORT WAYNE, IN 46804
Owner/Operator Telephone:	662-245-4200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	MARK.MILLET@STEELDYNAMICS.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name: SEVERCORR, LLC	
Legal Status:	Private
Date Became Current:	20051001
Date Ended Current:	Not reported
Owner/Operator Address:	100 INDUSTRIAL PARK ROAD
Owner/Operator City,State,Zip:	COLUMBUS, MS 39701
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: STEEL DYNAMICS, INC.	
Legal Status:	Private
Date Became Current:	20140801
Date Ended Current:	Not reported
Owner/Operator Address:	7575 WEST JEFFERSON BOULEVARD
Owner/Operator City,State,Zip:	FORT WAYNE, IN 46804
Owner/Operator Telephone:	662-245-4200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: STEEL DYNAMICS COLUMBUS, LLC	
Legal Status:	Private
Date Became Current:	20140801
Date Ended Current:	Not reported
Owner/Operator Address:	1945 AIRPORT ROAD
Owner/Operator City,State,Zip:	COLUMBUS, MS 39703
Owner/Operator Telephone:	662-245-4200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	DAN.KEOWN@STEELDYNAMICS.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name: SEVERCORR, LLC	
Legal Status:	Private
Date Became Current:	20051001
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 1467

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-848-0992  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: STEEL DYNAMICS COLUMBUS, LLC  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-245-4296  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: SEVERCORR, LLC  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: SEVERSTAL INTERNATIONAL  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: 23 UL. KLARA TSETKIN  
Owner/Operator City,State,Zip: MOSCOW 127299  
Owner/Operator Telephone: 6622454200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: SEVERSTAL COLUMBUS  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: STEEL DYNAMICS COLUMBUS, LLC  
Legal Status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Date Became Current: 20140801  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: SEVERCORR, LLC  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: P.O. BOX 1467  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-848-0992  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: STEEL DYNAMICS COLUMBUS, LLC  
Legal Status: Private  
Date Became Current: 20140801  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: STEEL DYNAMICS COLUMBUS, LLC  
Legal Status: Private  
Date Became Current: 20140801  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: DAN.KEOWN@STEELDYNAMICS.COM

Owner/Operator Indicator: Owner  
Owner/Operator Name: STEEL DYNAMICS, INC.  
Legal Status: Private  
Date Became Current: 20140801  
Date Ended Current: Not reported  
Owner/Operator Address: 7575 WEST JEFFERSON BOULEVARD  
Owner/Operator City,State,Zip: FORT WAYNE, IN 46804  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: MARK.MILLET@STEELDYNAMICS.COM



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Owner/Operator Indicator: Owner  
Owner/Operator Name: SEVERSTAL COLUMBUS (FORMERLY SEVERCORR)  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-245-4242  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: STEEL DYNAMICS COLUMBUS, LLC  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-245-4296  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 20100202  
Handler Name: SEVERSTAL COLUMBUS (FORMERLY SEVERCORR)  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20121008  
Handler Name: SEVERSTAL COLUMBUS  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20140225  
Handler Name: SEVERSTAL COLUMBUS (FORMERLY SEVERCORR)  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20160226  
Handler Name: STEEL DYNAMICS COLUMBUS  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20180226  
Handler Name: STEEL DYNAMICS COLUMBUS, LLC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20200618  
Handler Name: STEEL DYNAMICS COLUMBUS, LLC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20210315  
Handler Name: STEEL DYNAMICS COLUMBUS, LLC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Electronic Manifest Broker: No  
  
Receive Date: 20220224  
Handler Name: STEEL DYNAMICS COLUMBUS, LLC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20230220  
Handler Name: STEEL DYNAMICS COLUMBUS, LLC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20060802  
Handler Name: SEVERCORR, LLC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20141125  
Handler Name: STEEL DYNAMICS COLUMBUS  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20080219  
Handler Name: SEVERCORR, LLC  
Federal Waste Generator Description: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	33111
NAICS Description:	IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING
NAICS Code:	331110
NAICS Description:	IRON AND STEEL MILLS AND FERROALLOY MANUFACTURING
NAICS Code:	331111
NAICS Description:	IRON AND STEEL MILLS

Has the Facility Received Notices of Violations:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20190213
Actual Return to Compliance Date:	20190424
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190411
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSBJ
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20190213
Actual Return to Compliance Date:	20190424
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190411
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSBJ
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

STEEL DYNAMICS COLUMBUS, LLC (Continued)

1010322950

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20190213
Actual Return to Compliance Date:	20190424
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190411
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSBJ
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141114
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	BEX
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Unknown
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110
Final Count:	1
Final Amount:	38110
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141114
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	BEX
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20131120
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110
Final Count:	1
Final Amount:	38110
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141114
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	BEX
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Responsible Person: MSCB  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: 38110  
Paid Amount: 38110  
Final Count: 1  
Final Amount: 38110

Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: Generators - Pre-transport  
Date Violation was Determined: 20131120  
Actual Return to Compliance Date: 20141230  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: State  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20141125  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: WRITTEN INFORMAL  
Enforcement Responsible Person: MSCB  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141114
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	BEX
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20190213
Actual Return to Compliance Date:	20190424
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190828
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Responsible Person: MSBJ  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: 18419  
Paid Amount: 18419  
Final Count: 1  
Final Amount: 18419

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: Generators - Pre-transport  
Date Violation was Determined: 20190213  
Actual Return to Compliance Date: 20190424  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: EPA  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20190411  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: WRITTEN INFORMAL  
Enforcement Responsible Person: MSBJ  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20190213
Actual Return to Compliance Date:	20190424
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190828
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSBJ
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	18419
Paid Amount:	18419
Final Count:	1
Final Amount:	18419
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141114
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	BEX
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	1
Final Amount:	38110
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20190213
Actual Return to Compliance Date:	20190424
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190411
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSBJ
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110
Final Count:	1
Final Amount:	38110
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

STEEL DYNAMICS COLUMBUS, LLC (Continued)

1010322950

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141114
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	BEX
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20131120
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	1
Final Amount:	38110
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20190213
Actual Return to Compliance Date:	20190424
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190411
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSBJ
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20190213
Actual Return to Compliance Date:	20190424
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190828
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSBJ
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	18419
Paid Amount:	18419



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	1
Final Amount:	18419
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20190213
Actual Return to Compliance Date:	20190424
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190411
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSBJ
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Unknown
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110
Final Count:	1
Final Amount:	38110
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20190213
Actual Return to Compliance Date:	20190424
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190411
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSBJ
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110
Final Count:	1
Final Amount:	38110
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Responsible Person: MSCB  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: 38110  
Paid Amount: 38110  
Final Count: 1  
Final Amount: 38110

Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: Generators - General  
Date Violation was Determined: 20190213  
Actual Return to Compliance Date: 20190424  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: State  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20190828  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Responsible Person: MSBJ  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: 18419  
Paid Amount: 18419



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	1
Final Amount:	18419
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110
Final Count:	1
Final Amount:	38110
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141114
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	BEX
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20131120
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141114
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	BEX
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110
Final Count:	1
Final Amount:	38110
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20131120
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General Facility Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141230
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110
Final Count:	1
Final Amount:	38110
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20190213
Actual Return to Compliance Date:	20190424
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190828
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSBJ
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	18419
Paid Amount:	18419

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count:	1
Final Amount:	18419
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20131120
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110
Final Count:	1
Final Amount:	38110
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20131120
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141125
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20131120
Actual Return to Compliance Date:	20141220
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20150623
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	38110
Paid Amount:	38110



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Final Count: 1  
Final Amount: 38110

Evaluation Action Summary:

Evaluation Date: 20190213  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: SIGNIFICANT NON-COMPLIER  
Evaluation Responsible Person Identifier: DHIMS  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20141230  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20190424  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER  
Evaluation Responsible Person Identifier: R4RSN  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20190424  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20131120  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSCB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20141220  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20190424  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER  
Evaluation Responsible Person Identifier: R4RSN  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20190424  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20190213

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	DHIMS
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190424
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190424
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	R4RSN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20230427
Evaluation Responsible Agency:	State
Found Violation:	Undetermined
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSBJ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190213
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	DHIMS
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141230
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131120
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	RCRA_DIV

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Actual Return to Compliance Date: 20141220  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20141230  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER  
Evaluation Responsible Person Identifier: MSCB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20131120  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSCB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20141230  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20131120  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: SIGNIFICANT NON-COMPLIER  
Evaluation Responsible Person Identifier: MSCB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20131120  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20190213  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: SIGNIFICANT NON-COMPLIER  
Evaluation Responsible Person Identifier: DHIMS  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20141220  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Former Citation:	Not reported
Evaluation Date:	20130425
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSCB
Evaluation Responsible Sub-Organization:	S
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	MSCB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141230
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	MSCB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141230
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190213
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	DHIMS
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190424
Evaluation Responsible Agency:	State
Found Violation:	Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	MSBJ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190424
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190213
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DHIMS
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190424
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190213
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	MSBJ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190424
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131120
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	RCRA_DIV
Actual Return to Compliance Date:	20141220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190213
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	DHIMS
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141220
Scheduled Compliance Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190213
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSBJ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190424
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190424
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	R4RSN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141230
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	MSCB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141230
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190424
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	R4RSN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Evaluation Date: 20190424  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER  
Evaluation Responsible Person Identifier: R4RSN  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20141220  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20131120  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSCB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20131120  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20190213  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: SIGNIFICANT NON-COMPLIER  
Evaluation Responsible Person Identifier: DHIMS  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20190424  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20190213  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: SIGNIFICANT NON-COMPLIER  
Evaluation Responsible Person Identifier: DHIMS  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20141230  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20190213  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: SIGNIFICANT NON-COMPLIER  
Evaluation Responsible Person Identifier: DHIMS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190424
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSCB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141230
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190213
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	MSBJ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190424
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20230427
Evaluation Responsible Agency:	EPA
Found Violation:	Undetermined
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R4RSN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070109
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	ATORG
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190424
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	R4RSN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190424
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	R4RSN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141230
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190213
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	DHIMS
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	MSCB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190424
Evaluation Responsible Agency:	State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	MSBJ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190424
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	MSCB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141230
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSCB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190424
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	R4RSN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190424
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131120
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSCB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141230

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190424
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	R4RSN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190424
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	R4RSN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20131120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131120
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	RCRA_DIV
Actual Return to Compliance Date:	20141220
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190213
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	DHIMS
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141230
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Evaluation Date: 20131120  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSCB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20131120  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20080522  
Evaluation Responsible Agency: State  
Found Violation: No  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSCB  
Evaluation Responsible Sub-Organization: S  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20131120  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSCB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20141230  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20190213  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSBJ  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20190424  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20190424  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER  
Evaluation Responsible Person Identifier: R4RSN

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STEEL DYNAMICS COLUMBUS, LLC (Continued)**

**1010322950**

Evaluation Responsible Sub-Organization: Not reported  
 Actual Return to Compliance Date: 20131120  
 Scheduled Compliance Date: Not reported  
 Date of Request: Not reported  
 Date Response Received: Not reported  
 Request Agency: Not reported  
 Former Citation: Not reported

Evaluation Date: 20131120  
 Evaluation Responsible Agency: State  
 Found Violation: Yes  
 Evaluation Type Description: SIGNIFICANT NON-COMPLIER  
 Evaluation Responsible Person Identifier: MSCB  
 Evaluation Responsible Sub-Organization: Not reported  
 Actual Return to Compliance Date: 20131120  
 Scheduled Compliance Date: Not reported  
 Date of Request: Not reported  
 Date Response Received: Not reported  
 Request Agency: Not reported  
 Former Citation: Not reported

Evaluation Date: 20131120  
 Evaluation Responsible Agency: State  
 Found Violation: Yes  
 Evaluation Type Description: SIGNIFICANT NON-COMPLIER  
 Evaluation Responsible Person Identifier: MSCB  
 Evaluation Responsible Sub-Organization: Not reported  
 Actual Return to Compliance Date: 20141220  
 Scheduled Compliance Date: Not reported  
 Date of Request: Not reported  
 Date Response Received: Not reported  
 Request Agency: Not reported  
 Former Citation: Not reported

**C11**  
**South**  
**1/8-1/4**  
**0.214 mi.**  
**1132 ft.**

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP.**  
**1949 AIRPORT RD (IN STEEL DYNAMICS)**  
**COLUMBUS, MS 39701**

**RCRA-LQG 1014393686**  
**MSR000103945**

**Site 2 of 3 in cluster C**

**Relative:**  
**Higher**  
**Actual:**  
**262 ft.**

RCRA Listings:  
 Date Form Received by Agency: 20230228  
 Handler Name: Columbus Roll Shop Div. Chrome Deposit Corp.  
 Handler Address: 1949 AIRPORT RD (IN STEEL DYNAMICS)  
 Handler City,State,Zip: COLUMBUS, MS 39701  
 EPA ID: MSR000103945  
 Contact Name: RANDY DOUGHTY  
 Contact Address: 1949 AIRPORT RD (IN STEEL DYNAMICS)  
 Contact City,State,Zip: COLUMBUS, MS 39701  
 Contact Telephone: 662-798-4153  
 Contact Fax: 662-796-3602  
 Contact Email: RDOUGHTY@CDCRS.COM  
 Contact Title: IT MANAGER  
 EPA Region: 04  
 Land Type: Private  
 Federal Waste Generator Description: Large Quantity Generator  
 Non-Notifier: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Biennial Report Cycle:	2022
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1949 AIRPORT RD (IN STEEL DYNAMICS)
Mailing City, State, Zip:	COLUMBUS, MS 39701
Owner Name:	Steel Dynamics Inc
Owner Type:	Private
Operator Name:	Columbus Roll Shop Div. Chrome Deposit
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230509
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2021

[Click Here for Biennial Reporting System Data:](#)

Year: 2019

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

[Click Here for Biennial Reporting System Data:](#)

Year: 2017

[Click Here for Biennial Reporting System Data:](#)

Year: 2013

[Click Here for Biennial Reporting System Data:](#)

Year: 2011

[Click Here for Biennial Reporting System Data:](#)

Year: 2009

[Click Here for Biennial Reporting System Data:](#)

**Hazardous Waste Summary:**

Waste Code: D001  
Waste Description: Ignitable Waste

Waste Code: D002  
Waste Description: Corrosive Waste

Waste Code: D004  
Waste Description: Arsenic

Waste Code: D007  
Waste Description: Chromium

Waste Code: D008  
Waste Description: Lead

**Handler - Owner Operator:**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT
Legal Status:	Private
Date Became Current:	20061201
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	STEEL DYNAMICS INC
Legal Status:	Private
Date Became Current:	20140912
Date Ended Current:	Not reported
Owner/Operator Address:	1949 AIRPORT RD
Owner/Operator City,State,Zip:	COLUMBUS, MS 39701
Owner/Operator Telephone:	662-245-4200
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Owner/Operator Indicator: Operator  
Owner/Operator Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT  
Legal Status: Private  
Date Became Current: 20061201  
Date Ended Current: Not reported  
Owner/Operator Address: 1949 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-798-4153  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: COLUMBUS ROLL SHOP  
Legal Status: Private  
Date Became Current: 20061201  
Date Ended Current: Not reported  
Owner/Operator Address: PO BOX 111  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-798-4153  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT  
Legal Status: Private  
Date Became Current: 20061201  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: SEVERCORR LLC  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: PO BOX 111  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-798-4153  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: STEEL DYNAMICS INC  
Legal Status: Private  
Date Became Current: 20140915  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT RD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported  
  
Owner/Operator Indicator: Owner  
Owner/Operator Name: STEEL DYNAMICS INC  
Legal Status: Private  
Date Became Current: 20140912  
Date Ended Current: Not reported  
Owner/Operator Address: 1949 AIRPORT RD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: RDOUGHTY@CDCRS.COM

Owner/Operator Indicator: Owner  
Owner/Operator Name: STEEL DYNAMICS INC  
Legal Status: Private  
Date Became Current: 20140912  
Date Ended Current: Not reported  
Owner/Operator Address: 1949 AIRPORT RD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: RDOUGHTY@CDCRS.COM

Owner/Operator Indicator: Operator  
Owner/Operator Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT  
Legal Status: Private  
Date Became Current: 20061201  
Date Ended Current: Not reported  
Owner/Operator Address: 1949 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-798-4153  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: RDOUGHTY@CDCRS.COM

Owner/Operator Indicator: Operator  
Owner/Operator Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT  
Legal Status: Private  
Date Became Current: 20061201  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: SEVERSTAL COLUMBUS, LLC  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT RD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-848-0992  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT  
Legal Status: Private  
Date Became Current: 20061201  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: SEVERSTAL COLUMBUS, LLC  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT RD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-848-0992  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT  
Legal Status: Private  
Date Became Current: 20061201  
Date Ended Current: Not reported  
Owner/Operator Address: 1949 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-798-4153  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: STEEL DYNAMICS INC  
Legal Status: Private  
Date Became Current: 20140912  
Date Ended Current: Not reported  
Owner/Operator Address: 1949 AIRPORT RD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-245-4200  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT  
Legal Status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Date Became Current: 20061201  
Date Ended Current: Not reported  
Owner/Operator Address: 1949 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-798-4153  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: RDOUGHTY@CDCRS.COM

Owner/Operator Indicator: Owner  
Owner/Operator Name: SEVERSTAL COLUMBUS, LLC  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT RD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-848-0992  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT  
Legal Status: Private  
Date Became Current: 20061201  
Date Ended Current: Not reported  
Owner/Operator Address: 1949 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-798-4153  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: 662-796-3602  
Owner/Operator Email: RDOUGHTY@CDCRS.COM

Owner/Operator Indicator: Owner  
Owner/Operator Name: SEVERSTAL COLUMBUS, LLC  
Legal Status: Private  
Date Became Current: 20051001  
Date Ended Current: Not reported  
Owner/Operator Address: 1945 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-848-0992  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

**Historic Generators:**

Receive Date: 20100327  
Handler Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP.  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Electronic Manifest Broker: Not reported

Receive Date: 20120217  
Handler Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP.  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20140217  
Handler Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP.  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20180220  
Handler Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP.  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20200306  
Handler Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP.  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20210301  
Handler Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP.  
Federal Waste Generator Description: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20220302  
Handler Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP.  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20230228  
Handler Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP.  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20080619  
Handler Name: COLUMBUS ROLL SHOP DIVISION CHROME DEPOS  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20110905  
Handler Name: COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP.  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 332813  
NAICS Description: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

Has the Facility Received Notices of Violations:

Found Violation: Unknown  
Agency Which Determined Violation: Not reported  
Violation Short Description: Not reported  
Date Violation was Determined: Not reported  
Actual Return to Compliance Date: Not reported  
Return to Compliance Qualifier: Not reported  
Violation Responsible Agency: Not reported  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: Not reported  
Date of Enforcement Action: Not reported  
Enforcement Responsible Agency: Not reported  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: Not reported  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: Not reported  
Enforcement Responsible Person: Not reported  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: Generators - Pre-transport  
Date Violation was Determined: 20130725  
Actual Return to Compliance Date: 20140606  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: EPA  
Scheduled Compliance Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Enforcement Identifier:	001
Date of Enforcement Action:	20140528
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	BEX
Enforcement Responsible Sub-Organization:	RCRA_DIV
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Unknown
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20130725
Actual Return to Compliance Date:	20140606
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140528
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	BEX
Enforcement Responsible Sub-Organization:	RCRA_DIV
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Container Use and Management
Date Violation was Determined:	20180502
Actual Return to Compliance Date:	20180606
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Enforcement Identifier:	001
Date of Enforcement Action:	20180904
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Contingency Plan and Emergency Procedures
Date Violation was Determined:	20130725
Actual Return to Compliance Date:	20140606
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140527
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-General Facility Standards
Date Violation was Determined:	20180502
Actual Return to Compliance Date:	20180606
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20180904
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Contingency Plan and Emergency Procedures
Date Violation was Determined:	20130725
Actual Return to Compliance Date:	20140606
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Enforcement Identifier: 001  
Date of Enforcement Action: 20140528  
Enforcement Responsible Agency: EPA  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: WRITTEN INFORMAL  
Enforcement Responsible Person: BEX  
Enforcement Responsible Sub-Organization: RCRA\_DIV  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: TSD IS-General Facility Standards  
Date Violation was Determined: 20130725  
Actual Return to Compliance Date: 20140606  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: EPA  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20140528  
Enforcement Responsible Agency: EPA  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: WRITTEN INFORMAL  
Enforcement Responsible Person: BEX  
Enforcement Responsible Sub-Organization: RCRA\_DIV  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-General Facility Standards
Date Violation was Determined:	20130725
Actual Return to Compliance Date:	20140606
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140527
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Unknown
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Preparedness and Prevention
Date Violation was Determined:	20130725
Actual Return to Compliance Date:	20140606
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140527
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSCB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: No  
Agency Which Determined Violation: Not reported  
Violation Short Description: Not reported  
Date Violation was Determined: Not reported  
Actual Return to Compliance Date: Not reported  
Return to Compliance Qualifier: Not reported  
Violation Responsible Agency: Not reported  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: Not reported  
Date of Enforcement Action: Not reported  
Enforcement Responsible Agency: Not reported  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: Not reported  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: Not reported  
Enforcement Responsible Person: Not reported  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: Used Oil - Generators  
Date Violation was Determined: 20180502  
Actual Return to Compliance Date: 20180606  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: State  
Scheduled Compliance Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Enforcement Identifier: 001  
Date of Enforcement Action: 20180904  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: WRITTEN INFORMAL  
Enforcement Responsible Person: MSWDB  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

**Evaluation Action Summary:**

Evaluation Date: 20230425  
Evaluation Responsible Agency: EPA  
Found Violation: Undetermined  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: R4RSN  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130725  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140606  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Evaluation Date: 20230425  
Evaluation Responsible Agency: State  
Found Violation: Undetermined  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSBJ  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130725  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140606  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20180502  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20180606  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130725  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSCB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140606  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20180502  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20180606  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130725  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140606  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130725  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140606  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130725  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSCB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140606  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20180502  
Evaluation Responsible Agency: EPA  
Found Violation: Undetermined  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: RWI  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: Not reported  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLUMBUS ROLL SHOP DIV. CHROME DEPOSIT CORP. (Continued)**

**1014393686**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130725
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSCB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140606
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20090318
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSCB
Evaluation Responsible Sub-Organization:	S
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180502
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20180606
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

**C12**  
**South**  
**1/8-1/4**  
**0.220 mi.**  
**1163 ft.**

**PRIMETALS TECHNOLOGIES USA LLC**  
**1961 AIRPORT RD**  
**COLUMBUS, MS 39701**

**RCRA-SQG 1014393710**  
**MSR000104646**

**Site 3 of 3 in cluster C**

**Relative:**  
**Higher**  
**Actual:**  
**261 ft.**

RCRA Listings:  
Date Form Received by Agency: 20230220  
Handler Name: Primetals Technologies Usa Llc  
Handler Address: 1961 AIRPORT RD  
Handler City,State,Zip: COLUMBUS, MS 39701  
EPA ID: MSR000104646  
Contact Name: JAMES HILL  
Contact Address: 1961 AIRPORT RD  
Contact City,State,Zip: COLUMBUS, MS 39701

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Contact Telephone:	662-574-7256
Contact Fax:	662-245-4575
Contact Email:	JAMES.HILL@PRIMETALS.COM
Contact Title:	QUALITY/SAFETY COORDINATOR
EPA Region:	04
Land Type:	County
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2022
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	1961 AIRPORT RD
Mailing City, State, Zip:	COLUMBUS, MS 39701
Owner Name:	Lowndes County Economic Development Dist
Owner Type:	County
Operator Name:	Primetals Technologies Usa Llc
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20230221
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Manifest Broker: No  
Sub-Part P Indicator: No

Biennial: List of Years

Year: 2021

Click Here for Biennial Reporting System Data:

Year: 2017

Click Here for Biennial Reporting System Data:

Year: 2015

Click Here for Biennial Reporting System Data:

Year: 2013

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code: D001  
Waste Description: Ignitable Waste

Waste Code: D002  
Waste Description: Corrosive Waste

Waste Code: D008  
Waste Description: Lead

Waste Code: F006  
Waste Description: Wastewater Treatment Sludges From Electroplating Operations, Except From The Following Processes: (1) Sulfuric Acid Anodizing Of Aluminum; (2) Tin Plating On Carbon Steel; (3) Zinc Plating (Segregated Basis) On Carbon Steel; (4) Aluminum Or Zinc-Aluminum Plating On Carbon Steel; (5) Cleaning/Stripping Associated With Tin, Zinc, And Aluminum Plating On Carbon Steel; And (6) Chemical Etching And Milling Of Aluminum.

Handler - Owner Operator:

Owner/Operator Indicator: Owner  
Owner/Operator Name: LOWNDES COUNTY ECONOMIC DEVELOPMENT DIST  
Legal Status: County  
Date Became Current: 20050720  
Date Ended Current: Not reported  
Owner/Operator Address: 1102 MAIN STREET  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: LOWNDES COUNTY ECONOMIC DEVELOPMENT DIST  
Legal Status: County  
Date Became Current: 20050720  
Date Ended Current: Not reported  
Owner/Operator Address: 1102 MAIN STREET  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Owner/Operator Telephone:	662-328-8369
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	INFO@GTRLINK.ORG
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PRIMETALS TECHNOLOGIES USA LLC
Legal Status:	Other
Date Became Current:	20150101
Date Ended Current:	Not reported
Owner/Operator Address:	1961 AIRPORT ROAD
Owner/Operator City,State,Zip:	COLUMBUS, MS 39701
Owner/Operator Telephone:	662-245-4598
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	662-245-4575
Owner/Operator Email:	HENRY.ROBAK@PRIMETALS.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LOWNDES COUNTY ECONOMIC DEVELOPMENT DIST
Legal Status:	Private
Date Became Current:	20050720
Date Ended Current:	Not reported
Owner/Operator Address:	1961 AIRPORT ROAD
Owner/Operator City,State,Zip:	COLUMBUS, MS 39701
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	SIEMENS INDUSTRY INC. METALS TECHNOLOGIE
Legal Status:	Private
Date Became Current:	20070427
Date Ended Current:	Not reported
Owner/Operator Address:	1961 AIRPORT ROAD
Owner/Operator City,State,Zip:	COLUMBUS, MS 39701
Owner/Operator Telephone:	662-245-4570
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PRIMETALS TECHNOLOGIES USA LLC
Legal Status:	Other
Date Became Current:	20070427
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PRIMETALS TECHNOLOGIES USA LLC
Legal Status:	Other
Date Became Current:	20150101

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Date Ended Current: Not reported  
Owner/Operator Address: 1961 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-245-4598  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: 662-245-4575  
Owner/Operator Email: HENRY.ROBAK@PRIMETALS.COM

Owner/Operator Indicator: Operator  
Owner/Operator Name: SIEMENS INDUSTRY INC. METAL TECHNOLOGIES  
Legal Status: Other  
Date Became Current: 20070427  
Date Ended Current: Not reported  
Owner/Operator Address: 1961 AIRPORT ROAD MS9  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-245-4570  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: LOWNDES COUNTY ECONOMIC DEVELOPMENT DIST  
Legal Status: County  
Date Became Current: 20050720  
Date Ended Current: Not reported  
Owner/Operator Address: 1102 MAIN STREET  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-328-8369  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: INFO@GTRLINK.ORG

Owner/Operator Indicator: Operator  
Owner/Operator Name: SIEMENS INDUSTRY INC METALS TECHNOLOGIES  
Legal Status: Other  
Date Became Current: 20070427  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: LOWNDES COUNTY ECONOMIC DEVELOPMENT DIST  
Legal Status: County  
Date Became Current: 20050720  
Date Ended Current: Not reported  
Owner/Operator Address: 1102 MAIN STREET  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-328-8369  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: INFO@GTRLINK.ORG

Owner/Operator Indicator: Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Owner/Operator Name: PRIMETALS TECHNOLOGIES USA LLC  
Legal Status: Other  
Date Became Current: 20150101  
Date Ended Current: Not reported  
Owner/Operator Address: 1961 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-245-4598  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: 662-245-4575  
Owner/Operator Email: HENRY.ROBAK@PRIMETALS.COM

Owner/Operator Indicator: Owner  
Owner/Operator Name: LOWNDES COUNTY ECONOMIC DEVELOPMENT DIST  
Legal Status: County  
Date Became Current: 20050720  
Date Ended Current: Not reported  
Owner/Operator Address: 1102 MAIN STREET  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: PRIMETALS TECHNOLOGIES USA LLC  
Legal Status: Other  
Date Became Current: 20150101  
Date Ended Current: Not reported  
Owner/Operator Address: 1961 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-245-4598  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: 662-245-4575  
Owner/Operator Email: HENRY.ROBAK@PRIMETALS.COM

Owner/Operator Indicator: Owner  
Owner/Operator Name: LOWNDES COUNTY ECONOMIC DEVELOPMENT DIST  
Legal Status: County  
Date Became Current: 20050720  
Date Ended Current: Not reported  
Owner/Operator Address: 1102 MAIN STREET  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-328-8369  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: INFO@GTRLINK.ORG

Owner/Operator Indicator: Owner  
Owner/Operator Name: LOWNDES COUNTY ECONOMIC DEVELOPMENT DIST  
Legal Status: County  
Date Became Current: 20050720  
Date Ended Current: Not reported  
Owner/Operator Address: 1102 MAIN STREET  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: 662-328-8369  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Owner/Operator Email: INFO@GTRLINK.ORG

Owner/Operator Indicator: Owner  
Owner/Operator Name: LOWNDES COUNTY ECONOMIC DEVELOPMENT DIST  
Legal Status: County  
Date Became Current: 20050720  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner  
Owner/Operator Name: LOWNDES COUNTY ECONOMIC DEVELOPMENT DIST  
Legal Status: County  
Date Became Current: 20050720  
Date Ended Current: Not reported  
Owner/Operator Address: 1102 MAIN STREET  
Owner/Operator City,State,Zip: COLUMBUS, MS 39703  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: PRIMETALS TECHNOLOGIES USA LLC  
Legal Status: Other  
Date Became Current: 20070427  
Date Ended Current: Not reported  
Owner/Operator Address: Not reported  
Owner/Operator City,State,Zip: Not reported  
Owner/Operator Telephone: Not reported  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: Not reported  
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator  
Owner/Operator Name: PRIMETALS TECHNOLOGIES USA LLC  
Legal Status: Other  
Date Became Current: 20150101  
Date Ended Current: Not reported  
Owner/Operator Address: 1961 AIRPORT ROAD  
Owner/Operator City,State,Zip: COLUMBUS, MS 39701  
Owner/Operator Telephone: 662-245-4598  
Owner/Operator Telephone Ext: Not reported  
Owner/Operator Fax: 662-245-4575  
Owner/Operator Email: HENRY.ROBAK@PRIMETALS.COM

Historic Generators:

Receive Date: 20140306  
Handler Name: SIEMENS INDUSTRY INC MSO  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20160210  
Handler Name: PRIMETALS TECHNOLOGIES USA LLC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20180208  
Handler Name: PRIMETALS TECHNOLOGIES USA LLC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20210310  
Handler Name: PRIMETALS TECHNOLOGIES USA LLC  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20220225  
Handler Name: PRIMETALS TECHNOLOGIES USA LLC  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Electronic Manifest Broker: No

Receive Date: 20230220  
Handler Name: PRIMETALS TECHNOLOGIES USA LLC  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: Yes  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

Receive Date: 20100203  
Handler Name: SIEMENS INDUSTRY, INC. METALS TECHNOLOGIES  
Federal Waste Generator Description: Small Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20121005  
Handler Name: SIEMENS INDUSTRY INC. METAL TECHNOLOGIES  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20150311  
Handler Name: PRIMETALS TECHNOLOGIES USA LLC  
Federal Waste Generator Description: Large Quantity Generator  
State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: Not reported  
Electronic Manifest Broker: Not reported

Receive Date: 20180730  
Handler Name: PRIMETALS TECHNOLOGIES USA LLC  
Federal Waste Generator Description: Small Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

State District Owner: Not reported  
Large Quantity Handler of Universal Waste: No  
Recognized Trader Importer: No  
Recognized Trader Exporter: No  
Spent Lead Acid Battery Importer: No  
Spent Lead Acid Battery Exporter: No  
Current Record: No  
Non Storage Recycler Activity: No  
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:

NAICS Code: 332813  
NAICS Description: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

NAICS Code: 333516  
NAICS Description: ROLLING MILL MACHINERY AND EQUIPMENT MANUFACTURING

NAICS Code: 333519  
NAICS Description: ROLLING MILL AND OTHER METALWORKING MACHINERY MANUFACTURING

NAICS Code: 81131  
NAICS Description: COMMERCIAL AND INDUSTRIAL MACHINERY AND EQUIPMENT (EXCEPT AUTOMOTIVE AND ELECTRONIC) REPAIR AND MAINTENANCE

Has the Facility Received Notices of Violations:

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: TSD IS-Contingency Plan and Emergency Procedures  
Date Violation was Determined: 20130722  
Actual Return to Compliance Date: 20140929  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: EPA  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20141120  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Responsible Person: MSWDB  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: 61867  
Paid Amount: 61867  
Final Count: 1  
Final Amount: 61867

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: TSD IS-Container Use and Management  
Date Violation was Determined: 20130722  
Actual Return to Compliance Date: 20140929  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: EPA  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20141120  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Responsible Person: MSWDB  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: 61867  
Paid Amount: 61867  
Final Count: 1  
Final Amount: 61867

Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: Generators - Manifest  
Date Violation was Determined: 20130722  
Actual Return to Compliance Date: 20140929  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: State  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20141120  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description: Not reported  
 Proposed Amount: Not reported  
 Final Monetary Amount: 61867  
 Paid Amount: 61867  
 Final Count: 1  
 Final Amount: 61867

Found Violation: No  
 Agency Which Determined Violation: Not reported  
 Violation Short Description: Not reported  
 Date Violation was Determined: Not reported  
 Actual Return to Compliance Date: Not reported  
 Return to Compliance Qualifier: Not reported  
 Violation Responsible Agency: Not reported  
 Scheduled Compliance Date: Not reported  
 Enforcement Identifier: Not reported  
 Date of Enforcement Action: Not reported  
 Enforcement Responsible Agency: Not reported  
 Enforcement Docket Number: Not reported  
 Enforcement Attorney: Not reported  
 Corrective Action Component: Not reported  
 Appeal Initiated Date: Not reported  
 Appeal Resolution Date: Not reported  
 Disposition Status Date: Not reported  
 Disposition Status: Not reported  
 Disposition Status Description: Not reported  
 Consent/Final Order Sequence Number: Not reported  
 Consent/Final Order Respondent Name: Not reported  
 Consent/Final Order Lead Agency: Not reported  
 Enforcement Type: Not reported  
 Enforcement Responsible Person: Not reported  
 Enforcement Responsible Sub-Organization: Not reported  
 SEP Sequence Number: Not reported  
 SEP Expenditure Amount: Not reported  
 SEP Scheduled Completion Date: Not reported  
 SEP Actual Date: Not reported  
 SEP Defaulted Date: Not reported  
 SEP Type: Not reported  
 SEP Type Description: Not reported  
 Proposed Amount: Not reported  
 Final Monetary Amount: Not reported  
 Paid Amount: Not reported  
 Final Count: Not reported  
 Final Amount: Not reported

Found Violation: Yes  
 Agency Which Determined Violation: EPA  
 Violation Short Description: Generators - Manifest  
 Date Violation was Determined: 20130722  
 Actual Return to Compliance Date: 20140929  
 Return to Compliance Qualifier: Documented  
 Violation Responsible Agency: EPA  
 Scheduled Compliance Date: Not reported  
 Enforcement Identifier: 001  
 Date of Enforcement Action: 20140626  
 Enforcement Responsible Agency: State  
 Enforcement Docket Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description: Not reported  
 Proposed Amount: Not reported  
 Final Monetary Amount: 61867  
 Paid Amount: 61867  
 Final Count: 1  
 Final Amount: 61867

Found Violation: Yes  
 Agency Which Determined Violation: EPA  
 Violation Short Description: TSD IS-General Facility Standards  
 Date Violation was Determined: 20130722  
 Actual Return to Compliance Date: 20140929  
 Return to Compliance Qualifier: Documented  
 Violation Responsible Agency: EPA  
 Scheduled Compliance Date: Not reported  
 Enforcement Identifier: 001  
 Date of Enforcement Action: 20140626  
 Enforcement Responsible Agency: State  
 Enforcement Docket Number: Not reported  
 Enforcement Attorney: Not reported  
 Corrective Action Component: No  
 Appeal Initiated Date: Not reported  
 Appeal Resolution Date: Not reported  
 Disposition Status Date: Not reported  
 Disposition Status: Not reported  
 Disposition Status Description: Not reported  
 Consent/Final Order Sequence Number: Not reported  
 Consent/Final Order Respondent Name: Not reported  
 Consent/Final Order Lead Agency: Not reported  
 Enforcement Type: WRITTEN INFORMAL  
 Enforcement Responsible Person: MSWDB  
 Enforcement Responsible Sub-Organization: Not reported  
 SEP Sequence Number: Not reported  
 SEP Expenditure Amount: Not reported  
 SEP Scheduled Completion Date: Not reported  
 SEP Actual Date: Not reported  
 SEP Defaulted Date: Not reported  
 SEP Type: Not reported  
 SEP Type Description: Not reported  
 Proposed Amount: Not reported  
 Final Monetary Amount: Not reported  
 Paid Amount: Not reported  
 Final Count: Not reported  
 Final Amount: Not reported

Found Violation: Yes  
 Agency Which Determined Violation: EPA  
 Violation Short Description: Used Oil - Generators  
 Date Violation was Determined: 20180501  
 Actual Return to Compliance Date: 20180501  
 Return to Compliance Qualifier: Observed  
 Violation Responsible Agency: EPA  
 Scheduled Compliance Date: Not reported  
 Enforcement Identifier: Not reported  
 Date of Enforcement Action: Not reported  
 Enforcement Responsible Agency: Not reported  
 Enforcement Docket Number: Not reported



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20180501
Actual Return to Compliance Date:	20180501
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190108
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description: Not reported  
 Proposed Amount: Not reported  
 Final Monetary Amount: Not reported  
 Paid Amount: Not reported  
 Final Count: Not reported  
 Final Amount: Not reported

Found Violation: Yes  
 Agency Which Determined Violation: State  
 Violation Short Description: TSD IS-General Facility Standards  
 Date Violation was Determined: 20130722  
 Actual Return to Compliance Date: 20140929  
 Return to Compliance Qualifier: Documented  
 Violation Responsible Agency: State  
 Scheduled Compliance Date: Not reported  
 Enforcement Identifier: 001  
 Date of Enforcement Action: 20140626  
 Enforcement Responsible Agency: State  
 Enforcement Docket Number: Not reported  
 Enforcement Attorney: Not reported  
 Corrective Action Component: No  
 Appeal Initiated Date: Not reported  
 Appeal Resolution Date: Not reported  
 Disposition Status Date: Not reported  
 Disposition Status: Not reported  
 Disposition Status Description: Not reported  
 Consent/Final Order Sequence Number: Not reported  
 Consent/Final Order Respondent Name: Not reported  
 Consent/Final Order Lead Agency: Not reported  
 Enforcement Type: WRITTEN INFORMAL  
 Enforcement Responsible Person: MSWDB  
 Enforcement Responsible Sub-Organization: Not reported  
 SEP Sequence Number: Not reported  
 SEP Expenditure Amount: Not reported  
 SEP Scheduled Completion Date: Not reported  
 SEP Actual Date: Not reported  
 SEP Defaulted Date: Not reported  
 SEP Type: Not reported  
 SEP Type Description: Not reported  
 Proposed Amount: Not reported  
 Final Monetary Amount: Not reported  
 Paid Amount: Not reported  
 Final Count: Not reported  
 Final Amount: Not reported

Found Violation: Yes  
 Agency Which Determined Violation: EPA  
 Violation Short Description: Generators - Manifest  
 Date Violation was Determined: 20130722  
 Actual Return to Compliance Date: 20140929  
 Return to Compliance Qualifier: Documented  
 Violation Responsible Agency: EPA  
 Scheduled Compliance Date: Not reported  
 Enforcement Identifier: 001  
 Date of Enforcement Action: 20141120  
 Enforcement Responsible Agency: State  
 Enforcement Docket Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20180501
Actual Return to Compliance Date:	20180501
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: TSD IS-General Facility Standards  
Date Violation was Determined: 20130722  
Actual Return to Compliance Date: 20140929  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: EPA  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20141120  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Responsible Person: MSWDB  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: 61867  
Paid Amount: 61867  
Final Count: 1  
Final Amount: 61867

Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: TSD IS-Container Use and Management  
Date Violation was Determined: 20130722  
Actual Return to Compliance Date: 20140929  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: State  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20141120  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Container Use and Management
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Container Use and Management
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20180501
Actual Return to Compliance Date:	20180501
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20190108
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description: Not reported  
 Proposed Amount: Not reported  
 Final Monetary Amount: Not reported  
 Paid Amount: Not reported  
 Final Count: Not reported  
 Final Amount: Not reported

Found Violation: Yes  
 Agency Which Determined Violation: EPA  
 Violation Short Description: Used Oil - Generators  
 Date Violation was Determined: 20130722  
 Actual Return to Compliance Date: 20140929  
 Return to Compliance Qualifier: Documented  
 Violation Responsible Agency: EPA  
 Scheduled Compliance Date: Not reported  
 Enforcement Identifier: 001  
 Date of Enforcement Action: 20140626  
 Enforcement Responsible Agency: State  
 Enforcement Docket Number: Not reported  
 Enforcement Attorney: Not reported  
 Corrective Action Component: No  
 Appeal Initiated Date: Not reported  
 Appeal Resolution Date: Not reported  
 Disposition Status Date: Not reported  
 Disposition Status: Not reported  
 Disposition Status Description: Not reported  
 Consent/Final Order Sequence Number: Not reported  
 Consent/Final Order Respondent Name: Not reported  
 Consent/Final Order Lead Agency: Not reported  
 Enforcement Type: WRITTEN INFORMAL  
 Enforcement Responsible Person: MSWDB  
 Enforcement Responsible Sub-Organization: Not reported  
 SEP Sequence Number: Not reported  
 SEP Expenditure Amount: Not reported  
 SEP Scheduled Completion Date: Not reported  
 SEP Actual Date: Not reported  
 SEP Defaulted Date: Not reported  
 SEP Type: Not reported  
 SEP Type Description: Not reported  
 Proposed Amount: Not reported  
 Final Monetary Amount: Not reported  
 Paid Amount: Not reported  
 Final Count: Not reported  
 Final Amount: Not reported

Found Violation: Yes  
 Agency Which Determined Violation: EPA  
 Violation Short Description: TSD IS-Contingency Plan and Emergency Procedures  
 Date Violation was Determined: 20130722  
 Actual Return to Compliance Date: 20140929  
 Return to Compliance Qualifier: Documented  
 Violation Responsible Agency: EPA  
 Scheduled Compliance Date: Not reported  
 Enforcement Identifier: 001  
 Date of Enforcement Action: 20141120  
 Enforcement Responsible Agency: State  
 Enforcement Docket Number: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Used Oil - Generators
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - Manifest
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Universal Waste - Small Quantity Handlers
Date Violation was Determined:	20180501
Actual Return to Compliance Date:	20180501
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Container Use and Management
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-General Facility Standards
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Responsible Person: MSWDB  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: 61867  
Paid Amount: 61867  
Final Count: 1  
Final Amount: 61867  
  
Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: TSD IS-General Facility Standards  
Date Violation was Determined: 20130722  
Actual Return to Compliance Date: 20140929  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: State  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20141120  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Responsible Person: MSWDB  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description: Not reported  
 Proposed Amount: Not reported  
 Final Monetary Amount: 61867  
 Paid Amount: 61867  
 Final Count: 1  
 Final Amount: 61867

Found Violation: Yes  
 Agency Which Determined Violation: EPA  
 Violation Short Description: Used Oil - Generators  
 Date Violation was Determined: 20130722  
 Actual Return to Compliance Date: 20140929  
 Return to Compliance Qualifier: Documented  
 Violation Responsible Agency: EPA  
 Scheduled Compliance Date: Not reported  
 Enforcement Identifier: 001  
 Date of Enforcement Action: 20140626  
 Enforcement Responsible Agency: State  
 Enforcement Docket Number: Not reported  
 Enforcement Attorney: Not reported  
 Corrective Action Component: No  
 Appeal Initiated Date: Not reported  
 Appeal Resolution Date: Not reported  
 Disposition Status Date: Not reported  
 Disposition Status: Not reported  
 Disposition Status Description: Not reported  
 Consent/Final Order Sequence Number: Not reported  
 Consent/Final Order Respondent Name: Not reported  
 Consent/Final Order Lead Agency: Not reported  
 Enforcement Type: WRITTEN INFORMAL  
 Enforcement Responsible Person: MSWDB  
 Enforcement Responsible Sub-Organization: Not reported  
 SEP Sequence Number: Not reported  
 SEP Expenditure Amount: Not reported  
 SEP Scheduled Completion Date: Not reported  
 SEP Actual Date: Not reported  
 SEP Defaulted Date: Not reported  
 SEP Type: Not reported  
 SEP Type Description: Not reported  
 Proposed Amount: Not reported  
 Final Monetary Amount: Not reported  
 Paid Amount: Not reported  
 Final Count: Not reported  
 Final Amount: Not reported

Found Violation: Yes  
 Agency Which Determined Violation: State  
 Violation Short Description: TSD IS-Contingency Plan and Emergency Procedures  
 Date Violation was Determined: 20130722  
 Actual Return to Compliance Date: 20140929  
 Return to Compliance Qualifier: Documented  
 Violation Responsible Agency: State  
 Scheduled Compliance Date: Not reported  
 Enforcement Identifier: 001  
 Date of Enforcement Action: 20141120  
 Enforcement Responsible Agency: State  
 Enforcement Docket Number: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: TSD IS-Contingency Plan and Emergency Procedures  
Date Violation was Determined: 20130722  
Actual Return to Compliance Date: 20140929  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: EPA  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20140626  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: WRITTEN INFORMAL  
Enforcement Responsible Person: MSWDB  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: Generators - General  
Date Violation was Determined: 20130722  
Actual Return to Compliance Date: 20140929  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: EPA  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20140626  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-General Facility Standards
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: State  
Violation Short Description: Generators - General  
Date Violation was Determined: 20130722  
Actual Return to Compliance Date: 20140929  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: State  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20140626  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported  
Enforcement Attorney: Not reported  
Corrective Action Component: No  
Appeal Initiated Date: Not reported  
Appeal Resolution Date: Not reported  
Disposition Status Date: Not reported  
Disposition Status: Not reported  
Disposition Status Description: Not reported  
Consent/Final Order Sequence Number: Not reported  
Consent/Final Order Respondent Name: Not reported  
Consent/Final Order Lead Agency: Not reported  
Enforcement Type: WRITTEN INFORMAL  
Enforcement Responsible Person: MSWDB  
Enforcement Responsible Sub-Organization: Not reported  
SEP Sequence Number: Not reported  
SEP Expenditure Amount: Not reported  
SEP Scheduled Completion Date: Not reported  
SEP Actual Date: Not reported  
SEP Defaulted Date: Not reported  
SEP Type: Not reported  
SEP Type Description: Not reported  
Proposed Amount: Not reported  
Final Monetary Amount: Not reported  
Paid Amount: Not reported  
Final Count: Not reported  
Final Amount: Not reported

Found Violation: Yes  
Agency Which Determined Violation: EPA  
Violation Short Description: TSD IS-Container Use and Management  
Date Violation was Determined: 20130722  
Actual Return to Compliance Date: 20140929  
Return to Compliance Qualifier: Documented  
Violation Responsible Agency: EPA  
Scheduled Compliance Date: Not reported  
Enforcement Identifier: 001  
Date of Enforcement Action: 20140626  
Enforcement Responsible Agency: State  
Enforcement Docket Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Tank System Standards
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20141120
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	61867
Paid Amount:	61867
Final Count:	1
Final Amount:	61867
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-Contingency Plan and Emergency Procedures
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD IS-Contingency Plan and Emergency Procedures
Date Violation was Determined:	20130722
Actual Return to Compliance Date:	20140929
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	20140626
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	MSWDB
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported





Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	BEX
Evaluation Responsible Sub-Organization:	RCRA_DIV
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20200609
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSBJ
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20180501  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: RWI  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20180501  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180501
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20180501
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20180501  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: RWI

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20180501  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	BEX
Evaluation Responsible Sub-Organization:	RCRA_DIV
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180501
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20180501
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20140818
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	BEX
Evaluation Responsible Sub-Organization:	RCRA_DIV
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	BEX
Evaluation Responsible Sub-Organization:	RCRA_DIV
Actual Return to Compliance Date:	20140929

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Evaluation Date: 20130722  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20180501  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: RWI  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20180501  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	BEX
Evaluation Responsible Sub-Organization:	RCRA_DIV
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	MSWDB
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20140929
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20130722
Evaluation Responsible Agency:	State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: EPA  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: BEX  
Evaluation Responsible Sub-Organization: RCRA\_DIV  
Actual Return to Compliance Date: 20140929  
Scheduled Compliance Date: Not reported  
Date of Request: Not reported  
Date Response Received: Not reported  
Request Agency: Not reported  
Former Citation: Not reported

Evaluation Date: 20130722  
Evaluation Responsible Agency: State  
Found Violation: Yes  
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Evaluation Responsible Person Identifier: MSWDB  
Evaluation Responsible Sub-Organization: Not reported  
Actual Return to Compliance Date: 20140929

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PRIMETALS TECHNOLOGIES USA LLC (Continued)**

**1014393710**

Scheduled Compliance Date: Not reported  
 Date of Request: Not reported  
 Date Response Received: Not reported  
 Request Agency: Not reported  
 Former Citation: Not reported

Evaluation Date: 20130722  
 Evaluation Responsible Agency: State  
 Found Violation: Yes  
 Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
 Evaluation Responsible Person Identifier: MSWDB  
 Evaluation Responsible Sub-Organization: Not reported  
 Actual Return to Compliance Date: 20140929  
 Scheduled Compliance Date: Not reported  
 Date of Request: Not reported  
 Date Response Received: Not reported  
 Request Agency: Not reported  
 Former Citation: Not reported

Evaluation Date: 20180501  
 Evaluation Responsible Agency: EPA  
 Found Violation: Yes  
 Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE  
 Evaluation Responsible Person Identifier: RWI  
 Evaluation Responsible Sub-Organization: Not reported  
 Actual Return to Compliance Date: 20180612  
 Scheduled Compliance Date: Not reported  
 Date of Request: Not reported  
 Date Response Received: Not reported  
 Request Agency: Not reported  
 Former Citation: Not reported

**13**  
**South**  
**1/4-1/2**  
**0.402 mi.**  
**2120 ft.**

**GOLDEN TRIANGLE REGIONAL AIRPORT**  
**2080 AIRPORT ROAD**  
**COLUMBUS, MS 39701**

**LUST** **U001298194**  
**UST** **N/A**  
**ASBESTOS**  
**NPDES**  
**PERMITS**

**Relative:**  
**Higher**  
**Actual:**  
**262 ft.**

**LUST:**  
 Name: GOLDEN TRIANGLE REGIONAL AIRPORT  
 Address: 2080 AIRPORT ROAD  
 City,State,Zip: COLUMBUS, MS 39701  
 Facility Id: 9121  
 Event #: 3  
 Project Manager: Robert Huckaby  
 Confirmed On: 11/05/1998  
 Owner Address: 2080 Airport Road  
 Owner City: Columbus  
 Owner State: MS  
 Owner Zip: 39701  
 Owner Phone: (662)327-4422  
 Contractor Company: Not reported  
 Contractor Phone: Not reported  
 Last LDR: Not reported  
 Last GWS: Not reported  
 Last PTT: Not reported  
 Activity: NFA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TRIANGLE REGIONAL AIRPORT (Continued)**

**U001298194**

Owner Name: Golden Triangle Regional Airport  
Own Address Two: Not reported  
Contractor Engineer: Not reported  
Latitude Degree: 33  
Latitude Minutes: 27  
Latitude Seconds: 15.35  
Longitude Degree: 88  
Longitude Minutes: 35  
Longitude Seconds: 15.1  
Lust Rep Name: Not reported  
Mgptf Status: EUD  
Priority: 0  
Event Started: 04/12/1999  
Start Date: 05/26/1999  
Closed Date: 05/26/1999  
Money Paid: 0

Name: GOLDEN TRIANGLE REGIONAL AIRPORT  
Address: 2080 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
Facility Id: 9121  
Event #: 1  
Project Manager: Heather Cochran  
Confirmed On: 05/05/1994  
Owner Address: 2080 Airport Road  
Owner City: Columbus  
Owner State: MS  
Owner Zip: 39701  
Owner Phone: (662)327-4422  
Contractor Company: Not reported  
Contractor Phone: Not reported  
Last LDR: 04/01/1996  
Last GWS: Not reported  
Last PTT: 05/01/1994  
Activity: NFA  
Owner Name: Golden Triangle Regional Airport  
Own Address Two: Not reported  
Contractor Engineer: Not reported  
Latitude Degree: 33  
Latitude Minutes: 27  
Latitude Seconds: 15.35  
Longitude Degree: 88  
Longitude Minutes: 35  
Longitude Seconds: 15.1  
Lust Rep Name: R E Smith  
Mgptf Status: EUD  
Priority: 0  
Event Started: 05/05/1994  
Start Date: 05/01/1996  
Closed Date: 05/01/1996  
Money Paid: 0

Name: GOLDEN TRIANGLE REGIONAL AIRPORT  
Address: 2080 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
Facility Id: 9121  
Event #: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TRIANGLE REGIONAL AIRPORT (Continued)**

**U001298194**

Project Manager: Robert Huckaby  
Confirmed On: 09/19/1997  
Owner Address: 2080 Airport Road  
Owner City: Columbus  
Owner State: MS  
Owner Zip: 39701  
Owner Phone: (662)327-4422  
Contractor Company: Not reported  
Contractor Phone: Not reported  
Last LDR: Not reported  
Last GWS: Not reported  
Last PTT: Not reported  
Activity: NFA  
Owner Name: Golden Triangle Regional Airport  
Own Address Two: Not reported  
Contractor Engineer: Not reported  
Latitude Degree: 33  
Latitude Minutes: 27  
Latitude Seconds: 15.35  
Longitude Degree: 88  
Longitude Minutes: 35  
Longitude Seconds: 15.1  
Lust Rep Name: Not reported  
Mgptf Status: EUD  
Priority: 0  
Event Started: 09/22/1997  
Start Date: 04/08/1998  
Closed Date: 04/08/1998  
Money Paid: 0

**UST:**

Name: GOLDEN TRIANGLE REGIONAL AIRPORT  
Address: 2080 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
Facility ID: 9121  
Owner ID: 1070049  
Owner Name: Golden Triangle Regional Airport  
Owner Address: 2080 Airport Road  
Owner City: Columbus  
Owner State: MS  
Owner Zip: 39701  
Owner Phone: (662)327-4422  
Tank Index: 1  
Tank Status: Permanently Out of Use  
Tank Capacity: 3000  
Substance: Gasoline  
Date Last Use: 9/22/1997 0:00  
Date Closed: 9/22/1997 0:00  
Closure Status: Removed from Ground  
Tank Material: Asphalt Coated or Bare Steel  
Tank Mod Desc: None  
Overfill Type: Not reported  
Tank LD: Groundwater/Vapor Monitoring  
Tank Type: Normal  
Date Install Tank: 1/1/1971 0:00  
Pipe Index: 1  
Pipe Status: Permanently Out of Use

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TRIANGLE REGIONAL AIRPORT (Continued)**

**U001298194**

Pipe Material: Bare/Galvanized Steel  
Pipe Mod Desc: None  
Pipe LD: Not reported  
Pipe Type: Safe Suction  
Pipe Install Date: 1/1/1971 0:00  
Pipe Manufacturer: Not reported  
Pipe Date Closed: 9/22/1997 0:00  
Pipe Close Status: Removed from Ground  
Latitude Degree: 33  
Latitude Minutes: 27  
Latitude Seconds: 15.35  
Longitude Degree: 88  
Longitude Minutes: 35  
Longitude Seconds: 15.1

Name: GOLDEN TRIANGLE REGIONAL AIRPORT  
Address: 2080 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
Facility ID: 9121  
Owner ID: 1070049  
Owner Name: Golden Triangle Regional Airport  
Owner Address: 2080 Airport Road  
Owner City: Columbus  
Owner State: MS  
Owner Zip: 39701  
Owner Phone: (662)327-4422  
Tank Index: 2  
Tank Status: Permanently Out of Use  
Tank Capacity: 250  
Substance: Diesel  
Date Last Use: 4/1/1986 0:00  
Date Closed: 3/21/1995 0:00  
Closure Status: Pre 88  
Tank Material: Asphalt Coated or Bare Steel  
Tank Mod Desc: None  
Overfill Type: Not reported  
Tank LD: Groundwater/Vapor Monitoring  
Tank Type: Normal  
Date Install Tank: 1/1/1970 0:00  
Pipe Index: 2  
Pipe Status: Permanently Out of Use  
Pipe Material: Bare/Galvanized Steel  
Pipe Mod Desc: None  
Pipe LD: Not reported  
Pipe Type: Safe Suction  
Pipe Install Date: 1/1/1970 0:00  
Pipe Manufacturer: Not reported  
Pipe Date Closed: 3/21/1995 0:00  
Pipe Close Status: Pre 88  
Latitude Degree: 33  
Latitude Minutes: 27  
Latitude Seconds: 15.35  
Longitude Degree: 88  
Longitude Minutes: 35  
Longitude Seconds: 15.1

Name: GOLDEN TRIANGLE REGIONAL AIRPORT



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TRIANGLE REGIONAL AIRPORT (Continued)**

**U001298194**

Address: 2080 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
Facility ID: 9121  
Owner ID: 1070049  
Owner Name: Golden Triangle Regional Airport  
Owner Address: 2080 Airport Road  
Owner City: Columbus  
Owner State: MS  
Owner Zip: 39701  
Owner Phone: (662)327-4422  
Tank Index: 3  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000  
Substance: Kerosene  
Date Last Use: 10/28/1998 0:00  
Date Closed: 10/29/1998 0:00  
Closure Status: Removed from Ground  
Tank Material: Asphalt Coated or Bare Steel  
Tank Mod Desc: None  
Overfill Type: Not reported  
Tank LD: Groundwater/Vapor Monitoring  
Tank Type: Normal  
Date Install Tank: 1/1/1980 0:00  
Pipe Index: 3  
Pipe Status: Permanently Out of Use  
Pipe Material: Bare/Galvanized Steel  
Pipe Mod Desc: None  
Pipe LD: Not reported  
Pipe Type: Safe Suction  
Pipe Install Date: 1/1/1980 0:00  
Pipe Manufacturer: Not reported  
Pipe Date Closed: 10/29/1998 0:00  
Pipe Close Status: Removed from Ground  
Latitude Degree: 33  
Latitude Minutes: 27  
Latitude Seconds: 15.35  
Longitude Degree: 88  
Longitude Minutes: 35  
Longitude Seconds: 15.1

Name: GOLDEN TRIANGLE REGIONAL AIRPORT  
Address: 2080 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
Facility ID: 9121  
Owner ID: 1070049  
Owner Name: Golden Triangle Regional Airport  
Owner Address: 2080 Airport Road  
Owner City: Columbus  
Owner State: MS  
Owner Zip: 39701  
Owner Phone: (662)327-4422  
Tank Index: 4  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000  
Substance: Kerosene  
Date Last Use: 10/28/1998 0:00  
Date Closed: 10/29/1998 0:00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TRIANGLE REGIONAL AIRPORT (Continued)**

**U001298194**

Closure Status: Removed from Ground  
Tank Material: Asphalt Coated or Bare Steel  
Tank Mod Desc: None  
Overfill Type: Not reported  
Tank LD: Groundwater/Vapor Monitoring  
Tank Type: Normal  
Date Install Tank: 1/1/1980 0:00  
Pipe Index: 4  
Pipe Status: Permanently Out of Use  
Pipe Material: Bare/Galvanized Steel  
Pipe Mod Desc: None  
Pipe LD: Not reported  
Pipe Type: Safe Suction  
Pipe Install Date: 1/1/1980 0:00  
Pipe Manufacturer: Not reported  
Pipe Date Closed: 10/29/1998 0:00  
Pipe Close Status: Removed from Ground  
Latitude Degree: 33  
Latitude Minutes: 27  
Latitude Seconds: 15.35  
Longitude Degree: 88  
Longitude Minutes: 35  
Longitude Seconds: 15.1

Name: GOLDEN TRIANGLE REGIONAL AIRPORT  
Address: 2080 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
Facility ID: 9121  
Owner ID: 1070049  
Owner Name: Golden Triangle Regional Airport  
Owner Address: 2080 Airport Road  
Owner City: Columbus  
Owner State: MS  
Owner Zip: 39701  
Owner Phone: (662)327-4422  
Tank Index: 5  
Tank Status: Permanently Out of Use  
Tank Capacity: 10000  
Substance: Gasoline  
Date Last Use: 3/21/1995 0:00  
Date Closed: 3/21/1995 0:00  
Closure Status: Pre 88  
Tank Material: Asphalt Coated or Bare Steel  
Tank Mod Desc: None  
Overfill Type: Not reported  
Tank LD: Not reported  
Tank Type: Normal  
Date Install Tank: Not reported  
Pipe Index: 5  
Pipe Status: Permanently Out of Use  
Pipe Material: Bare/Galvanized Steel  
Pipe Mod Desc: None  
Pipe LD: Not Listed  
Pipe Type: Not reported  
Pipe Install Date: Not reported  
Pipe Manufacturer: Not reported  
Pipe Date Closed: 3/21/1995 0:00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TRIANGLE REGIONAL AIRPORT (Continued)**

**U001298194**

Pipe Close Status: Pre 88  
Latitude Degree: 33  
Latitude Minutes: 27  
Latitude Seconds: 15.35  
Longitude Degree: 88  
Longitude Minutes: 35  
Longitude Seconds: 15.1

**ASBESTOS:**

Name: GOLDEN TRIANGLE REGIONAL AIRPORT  
Address: 2080 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
AI ID: 991  
SR No: Not reported  
City: COLUMBUS  
County: Lowndes  
ACT Type: Renovation  
Branch: Energy and Transportation  
SIC: 4953  
Basin: Tombigbee River  
Start Date: 04/16/2012  
Start Date 1: 06/22/1994  
Date End: Not reported  
Mailing Address: 2080 Airport Road, Columbus, MS 39701  
Office of Pollution Control Name: Barkley, Jay  
Office of Pollution Control Assignment: Office of Pollution Control Compliance Manager  
Office of Pollution Control Phone: (601) 961-5154

**MS NPDES:**

Name: GOLDEN TRIANGLE REGIONAL AIRPORT AUTHORITY  
Address: 2080 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
Facility ID: 991  
Branch: Air 1  
SIC Code: 4512, 4953  
Basin: Tombigbee River  
Start Date: 03/11/1997  
End Date: 02/28/2002  
Mailing Address: 2080 Airport Road; Columbus, MS 39701  
Permit Type: Water-NPDES  
Alternate ID: MSR104333  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Construction  
Alt. Start Date: 11/07/2006  
Alt. End Date: 02/17/2011  
  
Alternate ID: MSR105768  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Construction  
Alt. Start Date: 07/16/2010  
Alt. End Date: 10/20/2011  
  
Alternate ID: SW0440030532  
Alternate Name: Golden Triangle Regional Airport, Golden Triangle Regional Airport  
Land Application Site  
Alternate Type: SolidWaste-Land Application - Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TRIANGLE REGIONAL AIRPORT (Continued)**

**U001298194**

Alt. Start Date: 04/06/2007  
Alt. End Date: 01/28/2009

Alternate ID: WQC2009049  
Alternate Name: Golden Triangle Regional Airport, Proposed Access Road  
Alternate Type: WQC Number  
Alt. Start Date: 09/15/2009  
Alt. End Date: Not reported

Alternate ID: MS0032875  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: Water-NPDES  
Alt. Start Date: 03/11/1997  
Alt. End Date: 02/28/2002

Alternate ID: MS0032875  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: Water-NPDES  
Alt. Start Date: 04/25/2003  
Alt. End Date: 02/06/2008

Alternate ID: 168000051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: Air-Construction  
Alt. Start Date: 11/04/1998  
Alt. End Date: Not reported

Alternate ID: 991  
Alternate Name: Airport Hanger 1900 Airport Road  
Alternate Type: Air-Notification  
Alt. Start Date: 04/01/2012  
Alt. End Date: Not reported

Alternate ID: 168000051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: Air-State Operating  
Alt. Start Date: 11/04/1998  
Alt. End Date: 09/30/2003

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Baseline  
Alt. Start Date: 06/22/1994  
Alt. End Date: 10/26/2000

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Baseline  
Alt. Start Date: 10/27/2000  
Alt. End Date: 02/03/2006

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Baseline  
Alt. Start Date: 02/03/2006  
Alt. End Date: 11/08/2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TRIANGLE REGIONAL AIRPORT (Continued)**

**U001298194**

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Baseline  
Alt. Start Date: 11/08/2010  
Alt. End Date: 01/28/2016

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Baseline  
Alt. Start Date: 01/28/2016  
Alt. End Date: 10/31/2020

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport Authority  
Alternate Type: GP-Baseline  
Alt. Start Date: 09/07/2021  
Alt. End Date: 11/30/2025

Alternate ID: MSR102464  
Alternate Name: Golden Triangle Regional Airport, American Eurocopter Corp site development at airport  
Alternate Type: GP-Construction  
Alt. Start Date: 02/19/2003  
Alt. End Date: 07/07/2004

Alternate ID: MSR103759  
Alternate Name: Ellis Construction Company, Inc., Golden Triangle Regional Airport-Air Cargo Apron Project  
Alternate Type: GP-Construction  
Alt. Start Date: 08/18/2005  
Alt. End Date: 05/31/2010

Contact Name: McNamara, Joe  
Assignment: Office of Pollution Control Air Compliance Manager  
Contact Tele: (601) 961-5084

Contact Name: Bland, Jeffrey  
Assignment: Office of Pollution Control Air Permit Manager  
Contact Tele: (601) 961-5112

Contact Name: Bland, Jeffrey  
Assignment: Office of Pollution Control Air Permit Staff  
Contact Tele: (601) 961-5112

Contact Name: Beasley, Sara  
Assignment: Office of Pollution Control Stormwater Compliance Manager  
Contact Tele: (601) 961-5283

Contact Name: Lancaster, Matthew  
Assignment: Office of Pollution Control Stormwater Compliance Staff  
Contact Tele: (601) 961-5386

Name: GOLDEN TRIANGLE REGIONAL AIRPORT AUTHORITY  
Address: 2080 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
Facility ID: 991

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TRIANGLE REGIONAL AIRPORT (Continued)**

**U001298194**

Branch: Air 1  
SIC Code: 4512, 4953  
Basin: Tombigbee River  
Start Date: 04/25/2003  
End Date: 02/06/2008  
Mailing Address: 2080 Airport Road; Columbus, MS 39701  
Permit Type: Water-NPDES  
Alternate ID: MSR104333  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Construction  
Alt. Start Date: 11/07/2006  
Alt. End Date: 02/17/2011

Alternate ID: MSR105768  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Construction  
Alt. Start Date: 07/16/2010  
Alt. End Date: 10/20/2011

Alternate ID: SW0440030532  
Alternate Name: Golden Triangle Regional Airport, Golden Triangle Regional Airport  
Land Application Site  
Alternate Type: SolidWaste-Land Application - Other  
Alt. Start Date: 04/06/2007  
Alt. End Date: 01/28/2009

Alternate ID: WQC2009049  
Alternate Name: Golden Triangle Regional Airport, Proposed Access Road  
Alternate Type: WQC Number  
Alt. Start Date: 09/15/2009  
Alt. End Date: Not reported

Alternate ID: MS0032875  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: Water-NPDES  
Alt. Start Date: 03/11/1997  
Alt. End Date: 02/28/2002

Alternate ID: MS0032875  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: Water-NPDES  
Alt. Start Date: 04/25/2003  
Alt. End Date: 02/06/2008

Alternate ID: 168000051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: Air-Construction  
Alt. Start Date: 11/04/1998  
Alt. End Date: Not reported

Alternate ID: 991  
Alternate Name: Airport Hanger 1900 Airport Road  
Alternate Type: Air-Notification  
Alt. Start Date: 04/01/2012  
Alt. End Date: Not reported

Alternate ID: 168000051

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TRIANGLE REGIONAL AIRPORT (Continued)**

**U001298194**

Alternate Name: Golden Triangle Regional Airport  
Alternate Type: Air-State Operating  
Alt. Start Date: 11/04/1998  
Alt. End Date: 09/30/2003

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Baseline  
Alt. Start Date: 06/22/1994  
Alt. End Date: 10/26/2000

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Baseline  
Alt. Start Date: 10/27/2000  
Alt. End Date: 02/03/2006

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Baseline  
Alt. Start Date: 02/03/2006  
Alt. End Date: 11/08/2010

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Baseline  
Alt. Start Date: 11/08/2010  
Alt. End Date: 01/28/2016

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport  
Alternate Type: GP-Baseline  
Alt. Start Date: 01/28/2016  
Alt. End Date: 10/31/2020

Alternate ID: MSR001051  
Alternate Name: Golden Triangle Regional Airport Authority  
Alternate Type: GP-Baseline  
Alt. Start Date: 09/07/2021  
Alt. End Date: 11/30/2025

Alternate ID: MSR102464  
Alternate Name: Golden Triangle Regional Airport, American Eurocopter Corp site development at airport  
Alternate Type: GP-Construction  
Alt. Start Date: 02/19/2003  
Alt. End Date: 07/07/2004

Alternate ID: MSR103759  
Alternate Name: Ellis Construction Company, Inc., Golden Triangle Regional Airport-Air Cargo Apron Project  
Alternate Type: GP-Construction  
Alt. Start Date: 08/18/2005  
Alt. End Date: 05/31/2010

Contact Name: McNamara, Joe  
Assignment: Office of Pollution Control Air Compliance Manager

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDEN TRIANGLE REGIONAL AIRPORT (Continued)**

**U001298194**

Contact Tele: (601) 961-5084

Contact Name: Bland, Jeffrey  
Assignment: Office of Pollution Control Air Permit Manager  
Contact Tele: (601) 961-5112

Contact Name: Bland, Jeffrey  
Assignment: Office of Pollution Control Air Permit Staff  
Contact Tele: (601) 961-5112

Contact Name: Beasley, Sara  
Assignment: Office of Pollution Control Stormwater Compliance Manager  
Contact Tele: (601) 961-5283

Contact Name: Lancaster, Matthew  
Assignment: Office of Pollution Control Stormwater Compliance Staff  
Contact Tele: (601) 961-5386

**MS PERMIT:**

Name: GOLDEN TRIANGLE REGIONAL AIRPORT AUTHORITY  
Address: 2080 AIRPORT ROAD  
City,State,Zip: COLUMBUS, MS 39701  
Al Id: 991  
Mailing Address: 2080 Airport Road; Columbus, MS 39701  
Branch: Air 1  
SIC: 4512, 4953  
Basin: Tombigbee River  
Start Date: 06/22/1994  
End Date: Not reported



Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **STANDARD ENVIRONMENTAL RECORDS**

### ***Lists of Federal NPL (Superfund) sites***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: N/A
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/08/2024
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: N/A
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/08/2024
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## ***Lists of Federal Delisted NPL sites***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 06/22/2023  
Date Data Arrived at EDR: 07/06/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 18

Source: EPA  
Telephone: N/A  
Last EDR Contact: 10/03/2023  
Next Scheduled EDR Contact: 01/08/2024  
Data Release Frequency: Quarterly

## ***Lists of Federal sites subject to CERCLA removals and CERCLA orders***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 06/23/2023  
Date Data Arrived at EDR: 06/23/2023  
Date Made Active in Reports: 09/20/2023  
Number of Days to Update: 89

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 09/26/2023  
Next Scheduled EDR Contact: 01/08/2024  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 06/22/2023  
Date Data Arrived at EDR: 07/06/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 18

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 10/03/2023  
Next Scheduled EDR Contact: 01/22/2024  
Data Release Frequency: Quarterly

## ***Lists of Federal CERCLA sites with NFRAP***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: 800-424-9346
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 01/22/2024
	Data Release Frequency: Quarterly

## ***Lists of Federal RCRA facilities undergoing Corrective Action***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/24/2023	Source: EPA
Date Data Arrived at EDR: 07/31/2023	Telephone: 800-424-9346
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

## ***Lists of Federal RCRA TSD facilities***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (404) 562-8651
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

## ***Lists of Federal RCRA generators***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (404) 562-8651
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (404) 562-8651
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

## RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (404) 562-8651
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/03/2023	Source: Department of the Navy
Date Data Arrived at EDR: 08/07/2023	Telephone: 843-820-7326
Date Made Active in Reports: 10/10/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/20/2023
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/22/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/23/2023	Telephone: 703-603-0695
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/21/2023
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/04/2023
	Data Release Frequency: Varies

### US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/22/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/23/2023	Telephone: 703-603-0695
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/21/2023
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/04/2023
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

### **ERNS: Emergency Response Notification System**

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/12/2023  
Date Data Arrived at EDR: 06/20/2023  
Date Made Active in Reports: 08/14/2023  
Number of Days to Update: 55

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 09/20/2023  
Next Scheduled EDR Contact: 01/01/2024  
Data Release Frequency: Quarterly

## ***Lists of state- and tribal hazardous waste facilities***

### **SHWS: CERCLA/Uncontrolled Sites File List**

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 09/11/2023  
Date Data Arrived at EDR: 09/20/2023  
Date Made Active in Reports: 10/06/2023  
Number of Days to Update: 16

Source: Department of Environmental Quality  
Telephone: 601-961-5666  
Last EDR Contact: 09/20/2023  
Next Scheduled EDR Contact: 01/01/2024  
Data Release Frequency: Quarterly

## ***Lists of state and tribal landfills and solid waste disposal facilities***

### **SWF/LF: Solid Waste Landfills**

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/31/2022  
Date Data Arrived at EDR: 08/11/2022  
Date Made Active in Reports: 11/07/2022  
Number of Days to Update: 88

Source: Department of Environmental Quality  
Telephone: 601-961-5082  
Last EDR Contact: 08/18/2023  
Next Scheduled EDR Contact: 11/27/2023  
Data Release Frequency: Varies

### **DEBRIS: Debris Site Locations Listing**

A listing of Hurricane Katrina debris disposal site locations. Not all of these sites were approved or utilized. Please note that the list includes a number of different types of sites including vegetative debris burn, chip, staging and disposal sites as well as structural debris staging and disposal sites.

Date of Government Version: 06/17/2008  
Date Data Arrived at EDR: 06/17/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 44

Source: Department of Environmental Quality  
Telephone: 601-961-5726  
Last EDR Contact: 08/09/2023  
Next Scheduled EDR Contact: 11/27/2023  
Data Release Frequency: Varies

## ***Lists of state and tribal leaking storage tanks***

### **LUST: Leaking Underground Storage Tank Database**

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/20/2023  
Date Data Arrived at EDR: 06/20/2023  
Date Made Active in Reports: 09/08/2023  
Number of Days to Update: 80

Source: Department of Environmental Quality  
Telephone: 601-961-5058  
Last EDR Contact: 09/20/2023  
Next Scheduled EDR Contact: 01/01/2024  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/19/2023	Source: EPA Region 8
Date Data Arrived at EDR: 05/09/2023	Telephone: 303-312-6271
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/20/2023	Source: EPA Region 4
Date Data Arrived at EDR: 05/09/2023	Telephone: 404-562-8677
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2023	Source: EPA, Region 5
Date Data Arrived at EDR: 05/09/2023	Telephone: 312-886-7439
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/26/2023	Source: EPA Region 6
Date Data Arrived at EDR: 05/09/2023	Telephone: 214-665-6597
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2023	Source: EPA Region 10
Date Data Arrived at EDR: 05/09/2023	Telephone: 206-553-2857
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/19/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/09/2023	Telephone: 415-972-3372
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/20/2023	Source: EPA Region 1
Date Data Arrived at EDR: 05/09/2023	Telephone: 617-918-1313
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 05/09/2023	Telephone: 913-551-7003
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## ***Lists of state and tribal registered storage tanks***

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023	Source: FEMA
Date Data Arrived at EDR: 03/09/2023	Telephone: 202-646-5797
Date Made Active in Reports: 05/30/2023	Last EDR Contact: 10/10/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

UST: Underground Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/20/2023	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/20/2023	Telephone: 601-961-5058
Date Made Active in Reports: 09/08/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

AST: Aboveground Storage Tanks

Aboveground storage tanks regulated by the Department of Agriculture & Commerce. The tanks contents will be gasoline, diesel, racing fuel or kerosene.

Date of Government Version: 03/31/2023	Source: Department of Agriculture & Commerce
Date Data Arrived at EDR: 05/17/2023	Telephone: 601-359-1101
Date Made Active in Reports: 08/08/2023	Last EDR Contact: 08/09/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/27/2023
	Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/20/2023	Source: EPA Region 4
Date Data Arrived at EDR: 05/09/2023	Telephone: 404-562-9424
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/19/2023	Source: EPA Region 9
Date Data Arrived at EDR: 05/09/2023	Telephone: 415-972-3368
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2023	Source: EPA Region 8
Date Data Arrived at EDR: 05/09/2023	Telephone: 303-312-6137
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/20/2023	Source: EPA, Region 1
Date Data Arrived at EDR: 05/09/2023	Telephone: 617-918-1313
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2023	Source: EPA Region 5
Date Data Arrived at EDR: 05/09/2023	Telephone: 312-886-6136
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/26/2023	Source: EPA Region 6
Date Data Arrived at EDR: 05/09/2023	Telephone: 214-665-7591
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2023	Source: EPA Region 10
Date Data Arrived at EDR: 05/09/2023	Telephone: 206-553-2857
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 05/09/2023	Telephone: 913-551-7003
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 10/11/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***State and tribal institutional control / engineering control registries***

### ENG CONTROLS: Sites with Engineering Controls

Sites included on the CERCLA/Uncontrolled Sites File List that have Engineering Controls. Engineering Controls encompass a variety of engineered remedies to contain and/or reduce contamination, and/or physical barriers intended to limit access to property. ECs include fences, signs, guards, landfill caps, provision of potable water, slurry walls, sheet pile (vertical caps), pumping and treatment of groundwater, monitoring wells, and vapor extraction systems

Date of Government Version: 09/11/2023  
Date Data Arrived at EDR: 09/20/2023  
Date Made Active in Reports: 10/06/2023  
Number of Days to Update: 16

Source: Department of Environmental Quality  
Telephone: 601-961-5666  
Last EDR Contact: 09/20/2023  
Next Scheduled EDR Contact: 01/01/2024  
Data Release Frequency: Quarterly

### INST CONTROL: Sites with Institutional Controls

Sites included on the CERCLA/Uncontrolled Sites File List that have Institutional Controls. Institutional Controls are non-engineered instruments, such as administrative and/or legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of a remedy by limiting land or resource use

Date of Government Version: 09/11/2023  
Date Data Arrived at EDR: 09/20/2023  
Date Made Active in Reports: 10/06/2023  
Number of Days to Update: 16

Source: Department of Environmental Quality  
Telephone: 601-961-5666  
Last EDR Contact: 09/20/2023  
Next Scheduled EDR Contact: 01/01/2024  
Data Release Frequency: Quarterly

## ***Lists of state and tribal voluntary cleanup sites***

### VCP: Voluntary Evaluation Program Sites

The Voluntary Evaluation Program allows accepted parties the opportunity to participate in a program that will expedite the evaluation of the site information.

Date of Government Version: 09/11/2023  
Date Data Arrived at EDR: 09/20/2023  
Date Made Active in Reports: 10/06/2023  
Number of Days to Update: 16

Source: Department of Environmental Quality  
Telephone: 601-961-5063  
Last EDR Contact: 09/20/2023  
Next Scheduled EDR Contact: 01/01/2024  
Data Release Frequency: Quarterly

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015  
Date Data Arrived at EDR: 09/29/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 142

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 09/12/2023  
Next Scheduled EDR Contact: 01/01/2024  
Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 07/08/2021  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

## ***Lists of state and tribal brownfield sites***

### BROWNFIELDS: Uncontrolled Sites List

A listing of sites from the Uncontrolled Sites List that are currently in the Mississippi Brownfields Program (which means that they are pursuing liability protection and paying for MDEQ oversight costs).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/11/2023  
Date Data Arrived at EDR: 09/20/2023  
Date Made Active in Reports: 10/06/2023  
Number of Days to Update: 16

Source: Department of Environmental Quality  
Telephone: 601-961-5666  
Last EDR Contact: 09/20/2023  
Next Scheduled EDR Contact: 01/01/2024  
Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

#### **US BROWNFIELDS: A Listing of Brownfields Sites**

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 04/06/2023  
Date Data Arrived at EDR: 04/13/2023  
Date Made Active in Reports: 04/19/2023  
Number of Days to Update: 6

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 08/30/2023  
Next Scheduled EDR Contact: 12/25/2023  
Data Release Frequency: Semi-Annually

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

#### **SWTIRE: Commercial Waste Tire Haulers**

A listing of commercial waste tire haulers.

Date of Government Version: 03/24/2023  
Date Data Arrived at EDR: 03/24/2023  
Date Made Active in Reports: 06/07/2023  
Number of Days to Update: 75

Source: Department of Environmental Quality  
Telephone: 601-961-5726  
Last EDR Contact: 07/26/2023  
Next Scheduled EDR Contact: 11/13/2023  
Data Release Frequency: Varies

#### **SWRCY: Mississippi Recycling Directory**

A listing of recycling facilities.

Date of Government Version: 08/29/2018  
Date Data Arrived at EDR: 11/19/2018  
Date Made Active in Reports: 12/19/2018  
Number of Days to Update: 30

Source: Department of Environmental Quality  
Telephone: 601-961-5005  
Last EDR Contact: 08/18/2023  
Next Scheduled EDR Contact: 11/27/2023  
Data Release Frequency: Varies

#### **INDIAN ODI: Report on the Status of Open Dumps on Indian Lands**

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 07/19/2023  
Next Scheduled EDR Contact: 11/06/2023  
Data Release Frequency: Varies

#### **DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations**

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 10/10/2023  
Next Scheduled EDR Contact: 01/29/2024  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 07/27/2023  
Next Scheduled EDR Contact: 11/13/2023  
Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/22/2023  
Date Data Arrived at EDR: 05/23/2023  
Date Made Active in Reports: 07/10/2023  
Number of Days to Update: 48

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/21/2023  
Next Scheduled EDR Contact: 12/04/2023  
Data Release Frequency: No Update Planned

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/22/2023  
Date Data Arrived at EDR: 05/23/2023  
Date Made Active in Reports: 07/10/2023  
Number of Days to Update: 48

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/21/2023  
Next Scheduled EDR Contact: 12/04/2023  
Data Release Frequency: Quarterly

## **Local Land Records**

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 06/22/2023  
Date Data Arrived at EDR: 07/06/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 18

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 10/03/2023  
Next Scheduled EDR Contact: 01/08/2024  
Data Release Frequency: Semi-Annually

## **Records of Emergency Release Reports**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/19/2023	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/23/2023	Telephone: 202-366-4555
Date Made Active in Reports: 09/20/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (404) 562-8651
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 09/20/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/07/2023	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/15/2023	Telephone: 202-528-4285
Date Made Active in Reports: 10/10/2023	Last EDR Contact: 08/15/2023
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/27/2023
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021	Source: USGS
Date Data Arrived at EDR: 07/13/2021	Telephone: 888-275-8747
Date Made Active in Reports: 03/09/2022	Last EDR Contact: 10/09/2023
Number of Days to Update: 239	Next Scheduled EDR Contact: 01/22/2024
	Data Release Frequency: Varies

### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 10/04/2023
Number of Days to Update: 574	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/30/2021  
Date Data Arrived at EDR: 02/03/2023  
Date Made Active in Reports: 02/10/2023  
Number of Days to Update: 7

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 08/01/2023  
Next Scheduled EDR Contact: 11/20/2023  
Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/19/2023  
Date Data Arrived at EDR: 06/20/2023  
Date Made Active in Reports: 08/14/2023  
Number of Days to Update: 55

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 09/20/2023  
Next Scheduled EDR Contact: 01/01/2024  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 07/31/2023  
Next Scheduled EDR Contact: 11/13/2023  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017  
Date Data Arrived at EDR: 05/08/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 73

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 08/03/2023  
Next Scheduled EDR Contact: 11/13/2023  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020  
Date Data Arrived at EDR: 06/14/2022  
Date Made Active in Reports: 03/24/2023  
Number of Days to Update: 283

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 09/15/2023  
Next Scheduled EDR Contact: 12/25/2023  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2021  
Date Data Arrived at EDR: 02/16/2023  
Date Made Active in Reports: 05/02/2023  
Number of Days to Update: 75

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 08/18/2023  
Next Scheduled EDR Contact: 11/27/2023  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/17/2023  
Date Data Arrived at EDR: 07/18/2023  
Date Made Active in Reports: 10/10/2023  
Number of Days to Update: 84

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 07/18/2023  
Next Scheduled EDR Contact: 10/30/2023  
Data Release Frequency: Annually

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/22/2023  
Date Data Arrived at EDR: 07/06/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 18

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 10/03/2023  
Next Scheduled EDR Contact: 12/11/2023  
Data Release Frequency: Annually

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/09/2023  
Date Data Arrived at EDR: 06/29/2023  
Date Made Active in Reports: 09/25/2023  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 09/26/2023  
Next Scheduled EDR Contact: 01/29/2024  
Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: 202-564-6023
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023	Source: EPA
Date Data Arrived at EDR: 04/04/2023	Telephone: 202-566-0500
Date Made Active in Reports: 06/09/2023	Last EDR Contact: 10/06/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 09/27/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Quarterly

## FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

## FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/20/2023	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/01/2023	Telephone: 301-415-0717
Date Made Active in Reports: 09/20/2023	Last EDR Contact: 10/10/2023
Number of Days to Update: 19	Next Scheduled EDR Contact: 01/29/2024
	Data Release Frequency: Quarterly



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2021	Source: Department of Energy
Date Data Arrived at EDR: 04/14/2023	Telephone: 202-586-8719
Date Made Active in Reports: 07/10/2023	Last EDR Contact: 09/01/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 12/11/2023
	Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 08/28/2023
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/11/2023
	Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 08/03/2023
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Varies

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/22/2023
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/08/2024
	Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 10/04/2023  
Next Scheduled EDR Contact: 11/06/2023  
Data Release Frequency: Quarterly

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2023  
Date Data Arrived at EDR: 07/19/2023  
Date Made Active in Reports: 10/10/2023  
Number of Days to Update: 83

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 10/03/2023  
Next Scheduled EDR Contact: 01/15/2024  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021  
Date Data Arrived at EDR: 03/09/2023  
Date Made Active in Reports: 03/20/2023  
Number of Days to Update: 11

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 09/20/2023  
Next Scheduled EDR Contact: 01/01/2024  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 10/02/2023  
Next Scheduled EDR Contact: 01/15/2024  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023  
Date Data Arrived at EDR: 03/03/2023  
Date Made Active in Reports: 06/09/2023  
Number of Days to Update: 98

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 07/26/2023  
Next Scheduled EDR Contact: 11/13/2023  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019  
Date Data Arrived at EDR: 11/15/2019  
Date Made Active in Reports: 01/28/2020  
Number of Days to Update: 74

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 08/10/2023  
Next Scheduled EDR Contact: 11/27/2023  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/22/2023  
Date Data Arrived at EDR: 07/06/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 18

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 10/03/2023  
Next Scheduled EDR Contact: 01/08/2024  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 07/05/2023  
Date Data Arrived at EDR: 07/05/2023  
Date Made Active in Reports: 09/25/2023  
Number of Days to Update: 82

Source: DOL, Mine Safety & Health Admini  
Telephone: 202-693-9424  
Last EDR Contact: 10/04/2023  
Next Scheduled EDR Contact: 11/20/2023  
Data Release Frequency: Quarterly

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2023  
Date Data Arrived at EDR: 05/24/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 08/22/2023  
Next Scheduled EDR Contact: 12/04/2023  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022  
Date Data Arrived at EDR: 02/24/2023  
Date Made Active in Reports: 05/17/2023  
Number of Days to Update: 82

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 08/24/2023  
Next Scheduled EDR Contact: 12/04/2023  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 08/24/2023  
Next Scheduled EDR Contact: 12/04/2023  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/13/2023  
Date Data Arrived at EDR: 06/14/2023  
Date Made Active in Reports: 08/14/2023  
Number of Days to Update: 61

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 09/12/2023  
Next Scheduled EDR Contact: 12/18/2023  
Data Release Frequency: Quarterly

## MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 08/23/2022  
Date Data Arrived at EDR: 11/22/2022  
Date Made Active in Reports: 02/28/2023  
Number of Days to Update: 98

Source: USGS  
Telephone: 703-648-6533  
Last EDR Contact: 08/24/2023  
Next Scheduled EDR Contact: 12/04/2023  
Data Release Frequency: Varies

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/04/2023  
Date Data Arrived at EDR: 05/25/2023  
Date Made Active in Reports: 07/24/2023  
Number of Days to Update: 60

Source: EPA  
Telephone: (404) 562-9900  
Last EDR Contact: 09/28/2023  
Next Scheduled EDR Contact: 12/11/2023  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021	Source: Department of Defense
Date Data Arrived at EDR: 10/20/2022	Telephone: 703-704-1564
Date Made Active in Reports: 01/10/2023	Last EDR Contact: 09/13/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/22/2024
	Data Release Frequency: Varies

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/29/2023	Telephone: 202-564-2280
Date Made Active in Reports: 09/25/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Quarterly

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 08/15/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/04/2023
	Data Release Frequency: Varies

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/15/2023	Source: EPA
Date Data Arrived at EDR: 05/17/2023	Telephone: 800-385-6164
Date Made Active in Reports: 07/10/2023	Last EDR Contact: 08/15/2023
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/27/2023
	Data Release Frequency: Quarterly

## PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 07/05/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2023	Telephone: 703-603-8895
Date Made Active in Reports: 10/02/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

## PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 07/05/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2023	Telephone: 202-272-0167
Date Made Active in Reports: 10/02/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 07/05/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2023	Telephone: 202-566-0250
Date Made Active in Reports: 10/02/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

## PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 07/05/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2023	Telephone: 202-272-0167
Date Made Active in Reports: 10/02/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

## PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST\_HANDLING\_INSTR), Non-hazardous waste description (NON\_HAZ\_WASTE\_DESCRIPTION), DOT printed information (DOT\_PRINTED\_INFORMATION), Waste line handling instructions (WASTE\_LINE\_HANDLING\_INSTR), Waste residue comments (WASTE\_RESIDUE\_COMMENTS).

Date of Government Version: 07/05/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2023	Telephone: 202-272-0167
Date Made Active in Reports: 10/02/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

## PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020	Source: Department of Health & Human Services
Date Data Arrived at EDR: 03/17/2021	Telephone: 202-741-5770
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 07/19/2023
Number of Days to Update: 601	Next Scheduled EDR Contact: 11/06/2023
	Data Release Frequency: Varies

## PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 09/23/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/03/2023	Telephone: 202-272-0167
Date Made Active in Reports: 10/10/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 07/05/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2023	Telephone: 202-272-0167
Date Made Active in Reports: 10/02/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

## PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 07/05/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2023	Telephone: 202-272-0167
Date Made Active in Reports: 09/25/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

## PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facility's name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset, as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 07/05/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2023	Telephone: 202-272-0167
Date Made Active in Reports: 09/25/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

## PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 07/05/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/05/2023	Telephone: 202-272-0167
Date Made Active in Reports: 09/25/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 07/05/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/06/2023	Telephone: 202-267-2675
Date Made Active in Reports: 09/25/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 81	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

## PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011	Source: EPA, Office of Water
Date Data Arrived at EDR: 08/05/2011	Telephone: 202-564-2496
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 09/28/2023
Number of Days to Update: 55	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: No Update Planned

## PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 02/05/2015	Telephone: 202-564-2497
Date Made Active in Reports: 03/06/2015	Last EDR Contact: 09/28/2023
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/15/2024
	Data Release Frequency: Varies

## BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 07/16/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/18/2023	Telephone: 202-564-4700
Date Made Active in Reports: 08/28/2023	Last EDR Contact: 10/03/2023
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

## AIRS: Air Quality Information Listing

Air emissions information.

Date of Government Version: 08/08/2023	Source: Department of Environmental Quality
Date Data Arrived at EDR: 08/09/2023	Telephone: 601-961-5276
Date Made Active in Reports: 09/05/2023	Last EDR Contact: 08/09/2023
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Annually

## ASBESTOS: Asbestos Project Listing

A listing of Air Division Asbestos Branch projects.

Date of Government Version: 03/24/2023	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/24/2023	Telephone: 601-961-5611
Date Made Active in Reports: 06/07/2023	Last EDR Contact: 09/13/2023
Number of Days to Update: 75	Next Scheduled EDR Contact: 01/01/2024
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DRYCLEANERS: Drycleaner Facilities Listing

A listing of drycleaner facilities.

Date of Government Version: 02/14/2022  
Date Data Arrived at EDR: 02/15/2022  
Date Made Active in Reports: 05/13/2022  
Number of Days to Update: 87

Source: Department of Environmental Quality  
Telephone: 601-961-5670  
Last EDR Contact: 08/02/2023  
Next Scheduled EDR Contact: 11/20/2023  
Data Release Frequency: Varies

## NPDES: Industrial & Municipal NPDES Facilities

Water discharge permit data.

Date of Government Version: 03/28/2023  
Date Data Arrived at EDR: 03/29/2023  
Date Made Active in Reports: 06/13/2023  
Number of Days to Update: 76

Source: Department of Environmental Quality  
Telephone: 601-961-5666  
Last EDR Contact: 08/02/2023  
Next Scheduled EDR Contact: 11/20/2023  
Data Release Frequency: Varies

## PERMITS: Environmental Site Information System Listing

The purpose of this system is to support the permitting and compliance activities of the Office of Pollution Control. Regulatory programs that are supported by this database are the Surface Water National Pollutant Discharge Elimination System (NPDES) Program; the Air Title V, Construction and Operating Programs; and the Solid and Hazardous Waste Programs.

Date of Government Version: 03/28/2023  
Date Data Arrived at EDR: 03/29/2023  
Date Made Active in Reports: 06/13/2023  
Number of Days to Update: 76

Source: The Office of Pollution Control  
Telephone: 601-961-5670  
Last EDR Contact: 08/02/2023  
Next Scheduled EDR Contact: 11/20/2023  
Data Release Frequency: Varies

## UIC: UIC Information

A listing of underground injection control wells.

Date of Government Version: 05/15/2023  
Date Data Arrived at EDR: 05/16/2023  
Date Made Active in Reports: 08/08/2023  
Number of Days to Update: 84

Source: State Oil & Gas Board  
Telephone: 601-576-4923  
Last EDR Contact: 08/15/2023  
Next Scheduled EDR Contact: 11/27/2023  
Data Release Frequency: Semi-Annually

## EDR HIGH RISK HISTORICAL RECORDS

### ***EDR Exclusive Records***

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Mississippi.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/08/2014  
Number of Days to Update: 191

Source: Department of Environmental Quality  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Mississippi.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/20/2014  
Number of Days to Update: 203

Source: Department of Environmental Quality  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Mississippi.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/03/2014  
Number of Days to Update: 186

Source: Department of Environmental Quality  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 10/29/2021	Telephone: 518-402-8651
Date Made Active in Reports: 01/19/2022	Last EDR Contact: 07/27/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/06/2023
	Data Release Frequency: Quarterly

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2019	Telephone: 717-783-8990
Date Made Active in Reports: 09/10/2019	Last EDR Contact: 10/05/2023
Number of Days to Update: 53	Next Scheduled EDR Contact: 01/22/2024
	Data Release Frequency: Annually

### Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

### Electric Power Transmission Line Data

Source: Endeavor Business Media

This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Child Care Listing

Source: Department of Health

Telephone: 601-576-7613

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

### STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

AIRBUS HELICOPTERS SOLAR FARM AREA STUDY  
AIRPORT ROAD  
COLUMBUS, MS 39701

### TARGET PROPERTY COORDINATES

Latitude (North): 33.458137 - 33° 27' 29.29"  
Longitude (West): 88.583925 - 88° 35' 2.13"  
Universal Tranverse Mercator: Zone 16  
UTM X (Meters): 352795.1  
UTM Y (Meters): 3703007.2  
Elevation: 253 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 16686468 BENT OAK, MS  
Version Date: 2020

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

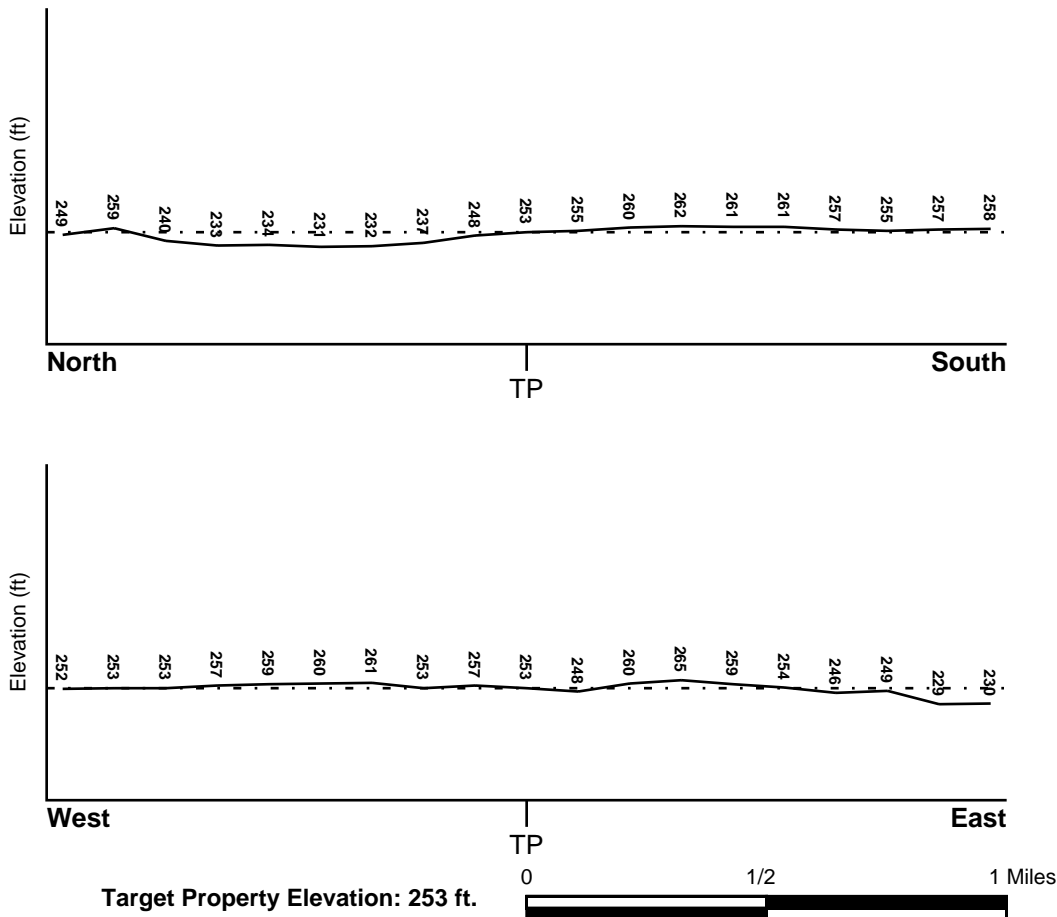
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
28087C0230K	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
Not Reported	

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ARTESIA NE	YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

Era: Mesozoic  
System: Cretaceous  
Series: Taylor Group  
Code: uK3 (*decoded above as Era, System & Series*)

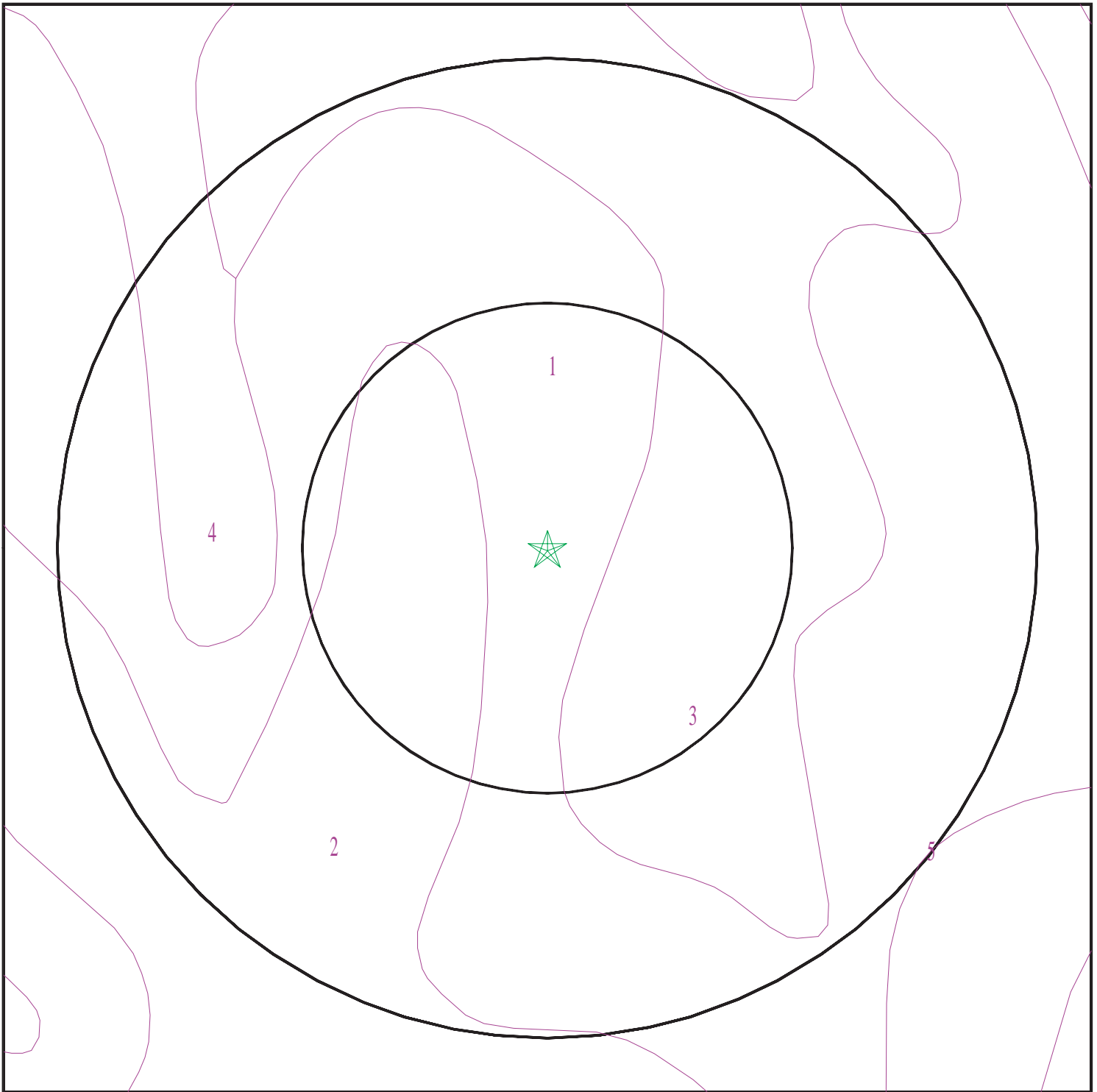
#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

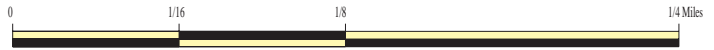
Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).



# SSURGO SOIL MAP - 7473340.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Airbus Helicopters Solar Farm Area Study  
ADDRESS: Airport Road  
Columbus MS 39701  
LAT/LONG: 33.458137 / 88.583925

CLIENT: Headwaters Inc.  
CONTACT: Pamela Hall  
INQUIRY #: 7473340.2s  
DATE: October 18, 2023 10:27 am

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: OKOLONA

Soil Surface Texture: silty clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:
2	7 inches	72 inches		Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:
3	72 inches	75 inches	weathered bedrock	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:

### Soil Map ID: 2

Soil Component Name: OKOLONA

Soil Surface Texture: silty clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:
2	7 inches	72 inches		Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:
3	72 inches	75 inches	weathered bedrock	Not reported	Not reported	Max: 0.42 Min: 0	Max: Min:

### Soil Map ID: 3

Soil Component Name: GRIFFITH

Soil Surface Texture: silty clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: 8.4 Min: 6.6
2	7 inches	64 inches		Not reported	Not reported	Max: 0.42 Min: 0	Max: 8.4 Min: 6.6

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 4

Soil Component Name: LEEPER

Soil Surface Texture: silty clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silty clay	Not reported	Not reported	Max: 0.42 Min: 0	Max: 8.4 Min: 5.6
2	5 inches	59 inches		Not reported	Not reported	Max: 0.42 Min: 0	Max: 8.4 Min: 5.6

### Soil Map ID: 5

Soil Component Name: SUMTER

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	silty clay loam	Not reported	Not reported	Max: 0.07 Min: 0	Max: Min:
2	7 inches	33 inches		Not reported	Not reported	Max: 0.07 Min: 0	Max: Min:
3	33 inches	46 inches		Not reported	Not reported	Max: 0.07 Min: 0	Max: Min:
4	46 inches	70 inches	weathered bedrock	Not reported	Not reported	Max: 0.07 Min: 0	Max: Min:

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	USGS40000658186	1/8 - 1/4 Mile SSW
A4	USGS40000658187	1/8 - 1/4 Mile SW
6	USGS40000658134	1/4 - 1/2 Mile ESE
B8	USGS40000658119	1/2 - 1 Mile WSW
C11	USGS40000658067	1/2 - 1 Mile SE

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

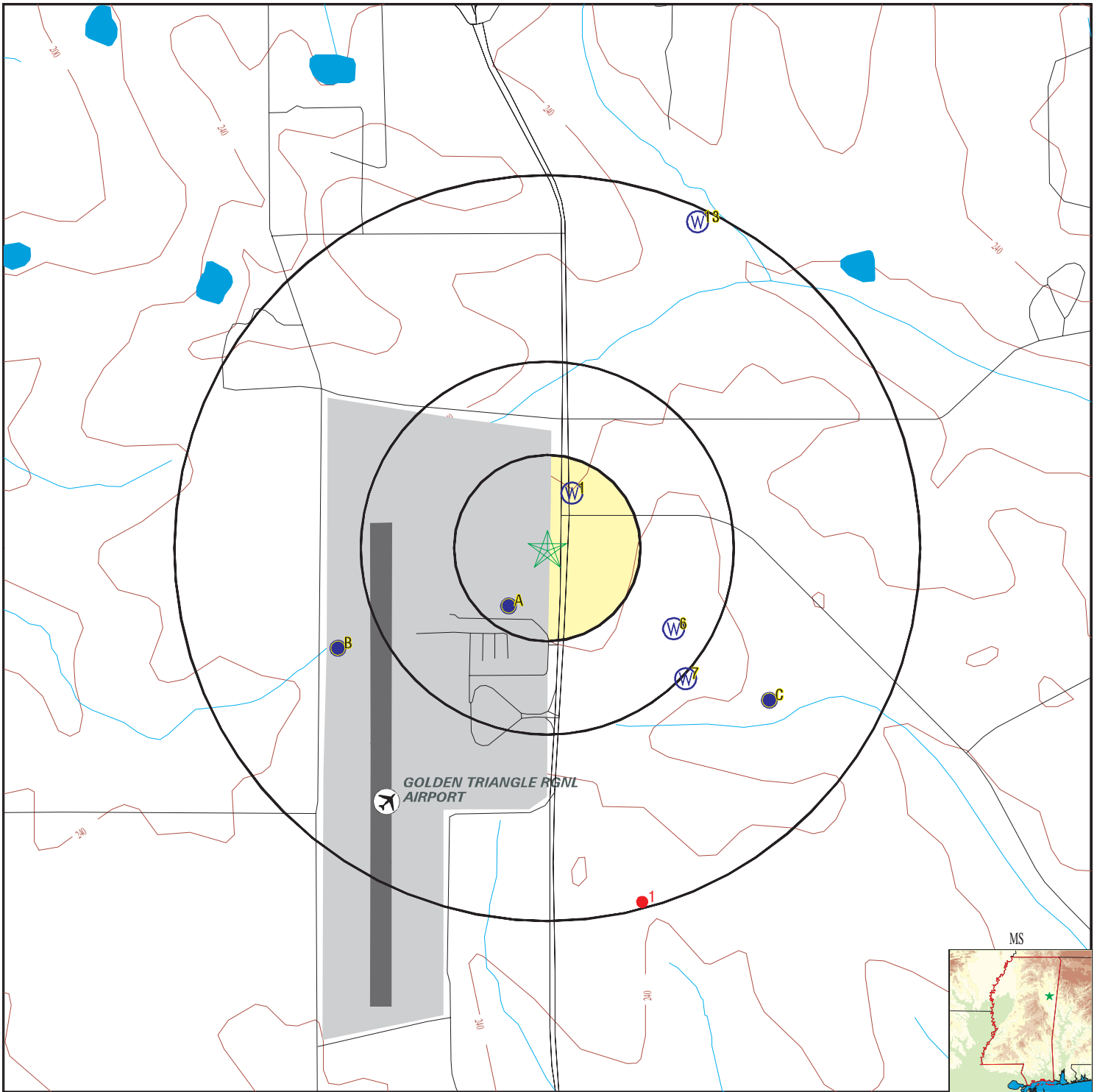
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	MSC600000154590	1/8 - 1/4 Mile NNE
A3	MSC600000001380	1/8 - 1/4 Mile SSW
A5	MSC600000101206	1/8 - 1/4 Mile SW
7	MSC600000154589	1/2 - 1 Mile SE
B9	MSPR30000032358	1/2 - 1 Mile WSW
B10	MSC600000101209	1/2 - 1 Mile WSW
C12	MSC600000154588	1/2 - 1 Mile SE
13	MSC600000037956	1/2 - 1 Mile NNE

## OTHER STATE DATABASE INFORMATION

### STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	MSOG80000020423	1/2 - 1 Mile SSE

# PHYSICAL SETTING SOURCE MAP - 7473340.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells

SITE NAME: Airbus Helicopters Solar Farm Area Study  
 ADDRESS: Airport Road  
 Columbus MS 39701  
 LAT/LONG: 33.458137 / 88.583925

CLIENT: Headwaters Inc.  
 CONTACT: Pamela Hall  
 INQUIRY #: 7473340.2s  
 DATE: October 18, 2023 10:27 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**1**  
**NNE**  
**1/8 - 1/4 Mile**  
**Lower**

**MS WELLS      MSC600000154590**

**WELLS:**

Permit #:	MS-GW-16202	Aquifer:	Massive Sand
Use:	INDUSTRIAL	Status:	ACTIVE
Owner:	LOWNDES COUNTY INDUSTRIAL DEVELOPMENT AUTHORITY		
Date Drilled:	11-MAR-09	Casing Diameter (in):	20
Casing Length (ft):	1250	Screen Length (ft):	80
Well Depth (ft):	1355		

**A2**  
**SSW**  
**1/8 - 1/4 Mile**  
**Higher**

**FED USGS      USGS40000658186**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	J0014 LOWNDES	Type:	Well
Description:	Not Reported	HUC:	03160106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Southeastern Coastal Plain aquifer system		
Formation Type:	Eutaw Formation	Aquifer Type:	Not Reported
Construction Date:	19710101	Well Depth:	610
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	2	Level reading date:	1982-11-29
Feet below surface:	116.44	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1971-08-01	Feet below surface:	110.00
Feet to sea level:	Not Reported	Note:	Not Reported

**A3**  
**SSW**  
**1/8 - 1/4 Mile**  
**Higher**

**MS WELLS      MSC600000001380**

**WELLS:**

Permit #:	Not Reported	Aquifer:	Eutaw Aquifer
Use:	Not Reported	Status:	CLOSED/UNUSED
Owner:	GOLDEN TRIANGLE REGIONAL AIRPORT		
Casing Diameter (in):	8	Date Drilled:	01-JAN-71
Screen Length (ft):	0	Casing Length (ft):	500
		Well Depth (ft):	610



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A4**  
**SW**  
**1/8 - 1/4 Mile**  
**Higher**

**FED USGS      USGS40000658187**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	J0013 LOWNDES	Type:	Well
Description:	Not Reported	HUC:	03160106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Southeastern Coastal Plain aquifer system		
Formation Type:	Gordo Formation	Aquifer Type:	Not Reported
Construction Date:	19700101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

**A5**  
**SW**  
**1/8 - 1/4 Mile**  
**Higher**

**MS WELLS      MSC600000101206**

**WELLS:**

Permit #:	Not Reported	Aquifer:	Gordo Aquifer	
Use:	Not Reported	Status:	Not Reported	
Owner:	GOLDEN TRIANGLE REGIONAL AIRPORT		Date Drilled:	01-JAN-70
Casing Diameter (in):	0	Casing Length (ft):	0	
Screen Length (ft):	0	Well Depth (ft):	0	

**6**  
**ESE**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS      USGS40000658134**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	J0035 LOWNDES	Type:	Well
Description:	10 MI W OF COLUMBUS	HUC:	03160106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Coker Formation
Aquifer Type:	Not Reported	Construction Date:	20060517
Well Depth:	1400	Well Depth Units:	ft
Well Hole Depth:	1489	Well Hole Depth Units:	ft

**7**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**MS WELLS      MSC600000154589**

**WELLS:**

Permit #:	MS-GW-16201	Aquifer:	Massive Sand
Use:	INDUSTRIAL	Status:	ACTIVE

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Owner:	LOWNDES COUNTY INDUSTRIAL DEVELOPMENT AUTHORITY		
Date Drilled:	17-MAY-06	Casing Diameter (in):	20
Casing Length (ft):	1245	Screen Length (ft):	150
Well Depth (ft):	1400		

**B8**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS40000658119**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	J0017 LOWNDES	Type:	Well
Description:	Not Reported	HUC:	03160106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Southeastern Coastal Plain aquifer system		
Formation Type:	Eutaw Formation	Aquifer Type:	Not Reported
Construction Date:	19720101	Well Depth:	445
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels, Number of Measurements:	1	Level reading date:	1972-08-01
Feet below surface:	70.00	Feet to sea level:	Not Reported
Note:	Not Reported		

**B9**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSPR30000032358**

Database:	USGS Private Wells	Local #:	J017
Primary Use:	H	Depth:	445
Aquifer:	211EUTW		

**B10**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**MS WELLS      MSC600000101209**

**WELLS:**

Permit #:	Not Reported	Aquifer:	Eutaw Aquifer
Use:	DOMESTIC (HOME) WELL	Status:	Not Reported
Owner:	FRAZIER, JOHN	Date Drilled:	01-JAN-72
Casing Diameter (in):	5	Casing Length (ft):	21
Screen Length (ft):	0	Well Depth (ft):	445

**C11**  
**SE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40000658067**

Organization ID:	USGS-MS		
Organization Name:	USGS Mississippi Water Science Center		
Monitor Location:	J0036 LOWNDES	Type:	Well

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Description:	10 MI W OF COLUMBUS	HUC:	03160106
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Coker Formation
Aquifer Type:	Not Reported	Construction Date:	20060418
Well Depth:	1370	Well Depth Units:	ft
Well Hole Depth:	1628	Well Hole Depth Units:	ft

**C12  
SE  
1/2 - 1 Mile  
Higher**

**MS WELLS    MSC600000154588**

**WELLS:**

Permit #:	MS-GW-16200	Aquifer:	Massive Sand
Use:	INDUSTRIAL	Status:	ACTIVE
Owner:	LOWNDES COUNTY INDUSTRIAL DEVELOPMENT AUTHORITY		
Date Drilled:	18-APR-06	Casing Diameter (in):	20
Casing Length (ft):	1230	Screen Length (ft):	135
Well Depth (ft):	1375		

**13  
NNE  
1/2 - 1 Mile  
Lower**

**MS WELLS    MSC600000037956**

**WELLS:**

Permit #:	Not Reported	Aquifer:	Not Reported
Use:	INDUSTRIAL	Status:	Not Reported
Owner:	CARTER EQUIPMENT COMPANY	Date Drilled:	28-AUG-75
Casing Diameter (in):	5	Casing Length (ft):	234
Screen Length (ft):	100	Well Depth (ft):	334

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**1**  
**SSE**  
**1/2 - 1 Mile**

**OIL\_GAS MSOG80000020423**

Permit #:	NULL	Well Name:	BILLUPS	1
Field Name:	Wildcat	Field #:	99999	
Operator:	16175	Well Type Code:	DH	
Well Status Code:	APS	Well ID:	2308700001	
Lease Name:	BILLUPS	Well #:	1	
Depth:	0	Spud Date:	10-MAY-21	
Plug/Abandon Date:	NULL	Well Type:	DH - Dry Hole	
Well Status:	APS - Appears P&A/No Records - surveyor inspection	Pool Name:	NULL	
Bottom Depth:	NULL			

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: MS Radon

### Radon Test Results

County	Num Sites	Avg Pci/L	Max Pci/L	Median Pci/L	% > 4 Pci/L	% > 20 Pci/L
LOWNDES	12	1.1	4.5	0.9	8	0

Federal EPA Radon Zone for LOWNDES County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 39701

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.700 pCi/L	67%	33%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### USGS Public Wells

Source: Mississippi Automated Resource Information System Technical Center (MARIS)

Telephone: 601-432-6149

Publicly owned water wells monitored by the USGS.

#### Permitted Wells

Source: Mississippi Automated Resource Information System Technical Center (MARIS)

Telephone: 601-432-6149

Water wells, 6-inches in diameter or larger that are permitted and monitored by the Office of Land and Water Resources.

#### USGS Private Wells

Source: Mississippi Automated Resource Information System Technical Center (MARIS)

Telephone: 601-432-6149

Privately owned water wells monitored by the USGS.

#### Health Department Wells

Source: Mississippi Automated Resource Information System Technical Center (MARIS)

Telephone: 601-432-6149

Public supply water wells monitored by the Environment Division of the Department of Health.

#### Water Wells Listing

Source: Department of Environmental Quality

Telephone: 601-961-5213

A listing of water well locations from the Office of Water Resources Management.

## OTHER STATE DATABASE INFORMATION

#### Oil and Gas Well Location Listing

Source: Mississippi Oil and Gas Board

Telephone: 601-354-7119

### RADON

#### State Database: MS Radon

Source: Department of Health

Telephone: 601-987-6893

Radon Levels

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

### **STREET AND ADDRESS INFORMATION**

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.



Airbus Helicopters Solar Farm Area Study

Airport Road

Columbus, MS 39701

Inquiry Number: 7473340.3

October 18, 2023

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

10/18/23

**Site Name:**

Airbus Helicopters Solar Farm ,  
Airport Road  
Columbus, MS 39701  
EDR Inquiry # 7473340.3

**Client Name:**

Headwaters Inc.  
PO Box 2836  
Ridgeland, MS 39158-0000  
Contact: Pamela Hall



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Headwaters Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Certification #** E717-4752-A37C  
**PO #** 2023-0254  
**Project** Airbus Helicopters-Solar Farm

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: E717-4752-A37C

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

### Limited Permission To Make Copies

Headwaters Inc. (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

Airbus Helicopters Solar Farm Area Study

Airport Road

Columbus, MS 39701

Inquiry Number: 7473340.4

October 18, 2023

# EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# EDR Historical Topo Map Report

10/18/23

**Site Name:**

Airbus Helicopters Solar Farm .  
Airport Road  
Columbus, MS 39701  
EDR Inquiry # 7473340.4

**Client Name:**

Headwaters Inc.  
PO Box 2836  
Ridgeland, MS 39158-0000  
Contact: Pamela Hall



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Headwaters Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>P.O.#</b>	2023-0254	<b>Latitude:</b>	33.458137 33° 27' 29" North
<b>Project:</b>	Airbus Helicopters-Solar Farm	<b>Longitude:</b>	-88.583925 -88° 35' 2" West
		<b>UTM Zone:</b>	Zone 16 North
		<b>UTM X Meters:</b>	352798.34
		<b>UTM Y Meters:</b>	3703199.87
		<b>Elevation:</b>	253.55' above sea level

**Maps Provided:**

2020  
2018  
2015  
2012  
1987  
1959

**Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT. Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

## **Topo Sheet Key**

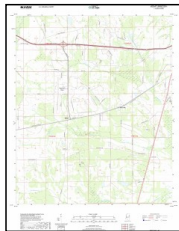
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **2020 Source Sheets**



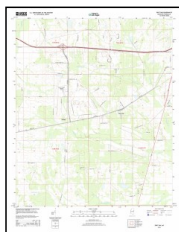
Bent Oak  
2020  
7.5-minute, 24000

### **2018 Source Sheets**



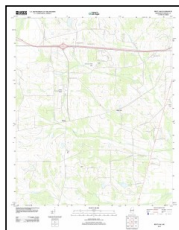
Bent Oak  
2018  
7.5-minute, 24000

### **2015 Source Sheets**



Bent Oak  
2015  
7.5-minute, 24000

### **2012 Source Sheets**



Bent Oak  
2012  
7.5-minute, 24000

## ***Topo Sheet Key***

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1987 Source Sheets**

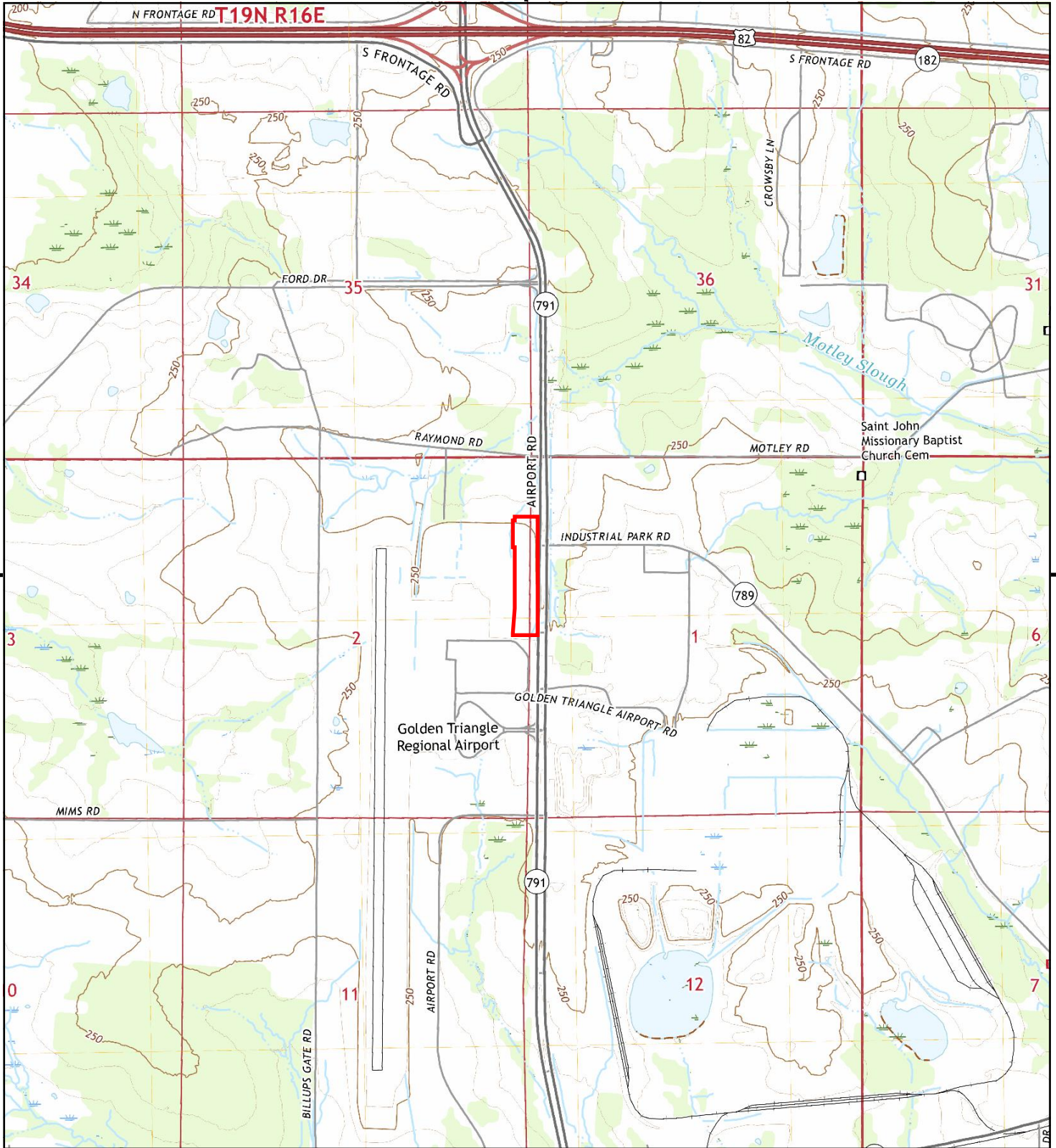


Bent Oak  
1987  
7.5-minute, 24000  
Aerial Photo Revised 1983

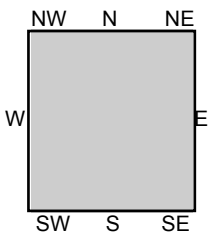
### **1959 Source Sheets**



Artesia  
1959  
15-minute, 62500  
Aerial Photo Revised 1955



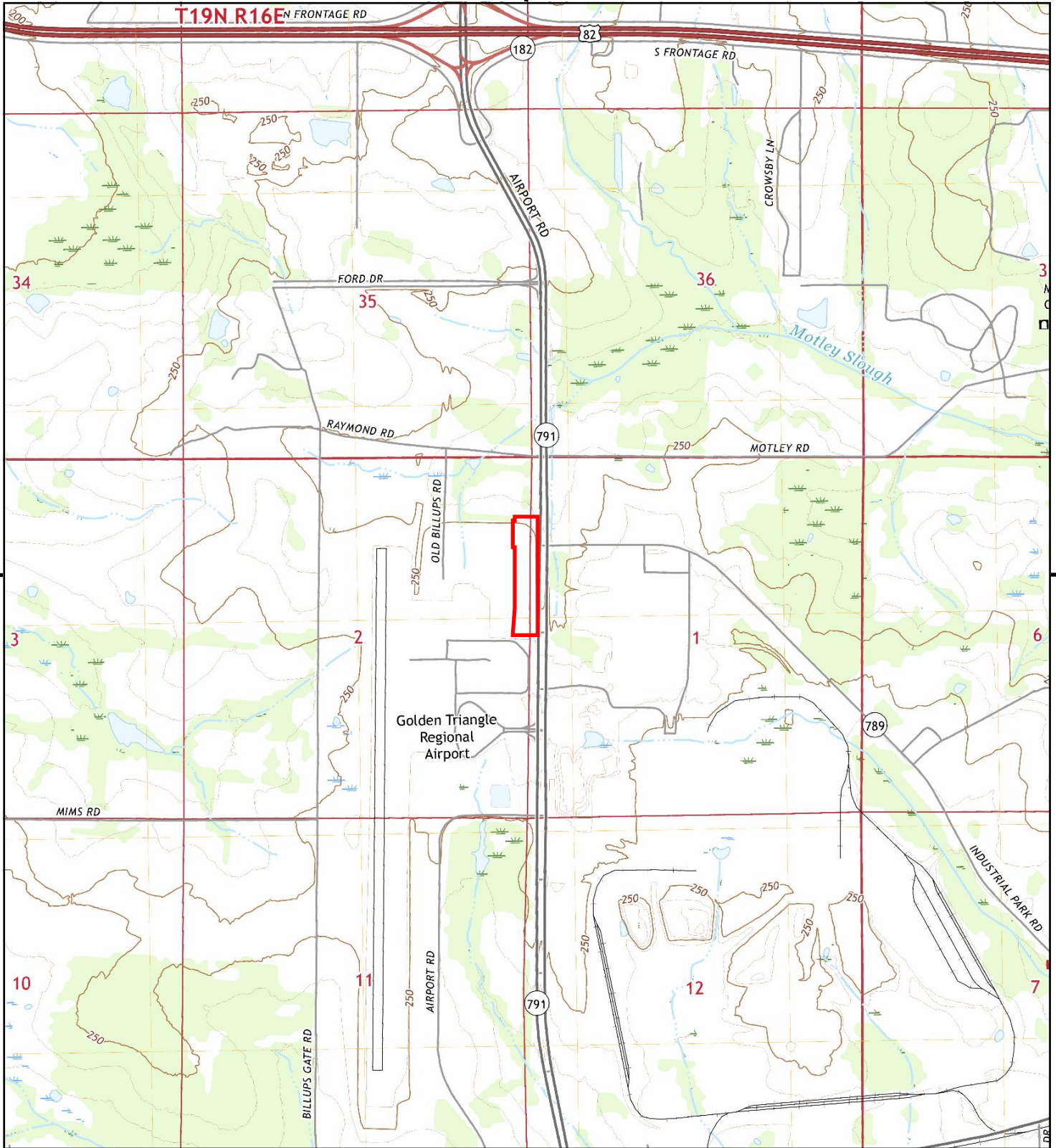
This report includes information from the following map sheet(s).



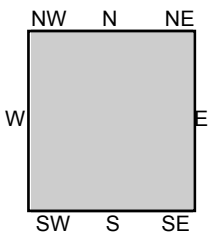
TP, Bent Oak, 2020, 7.5-minute

**SITE NAME:** Airbus Helicopters Solar Farm Area Study  
**ADDRESS:** Airport Road  
 Columbus, MS 39701  
**CLIENT:** Headwaters Inc.





This report includes information from the following map sheet(s).

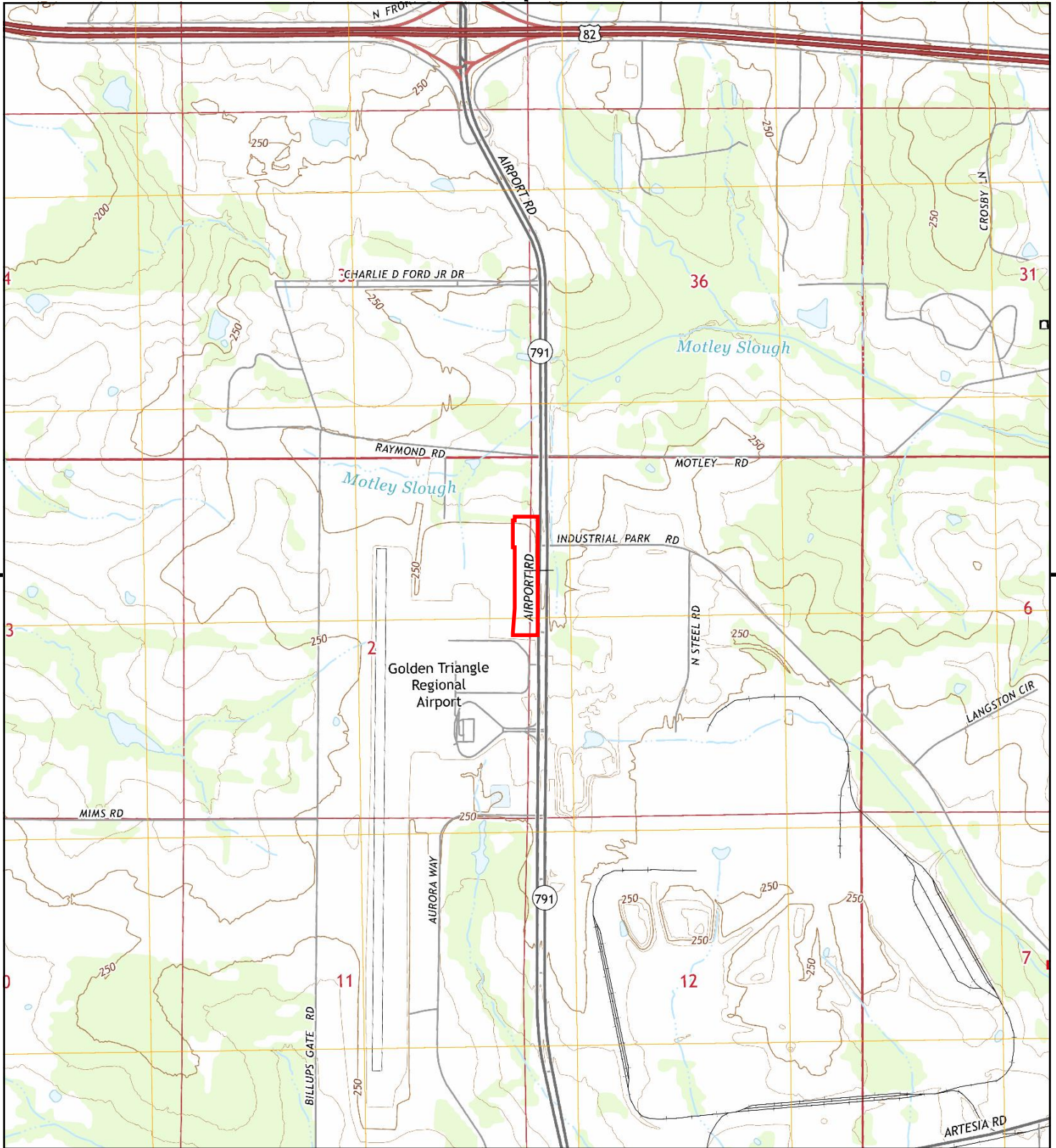


TP, Bent Oak, 2018, 7.5-minute

SITE NAME: Airbus Helicopters Solar Farm Area Study  
ADDRESS: Airport Road  
Columbus, MS 39701  
CLIENT: Headwaters Inc.







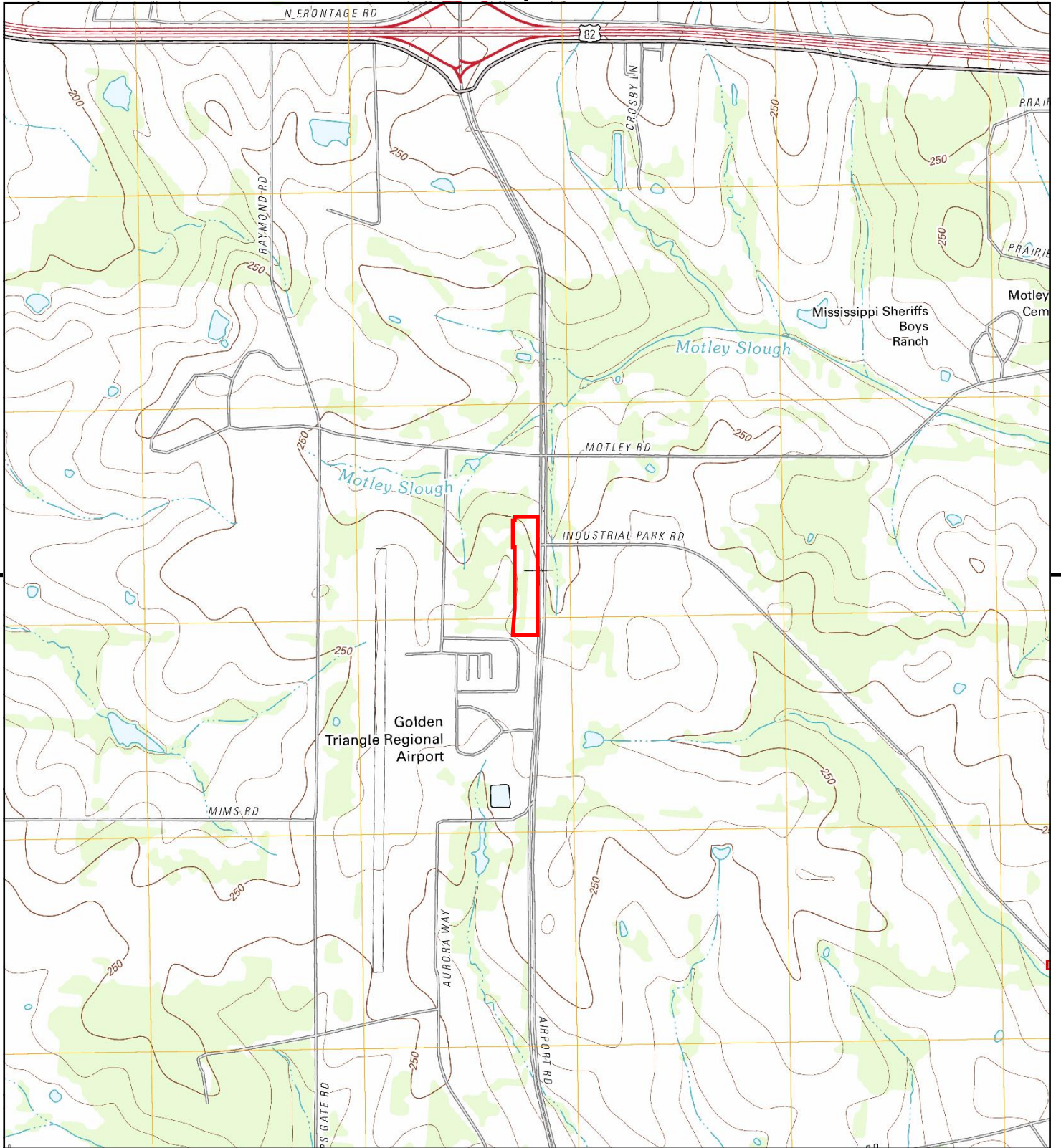
This report includes information from the following map sheet(s).



TP, Bent Oak, 2015, 7.5-minute

**SITE NAME:** Airbus Helicopters Solar Farm Area Study  
**ADDRESS:** Airport Road  
 Columbus, MS 39701  
**CLIENT:** Headwaters Inc.





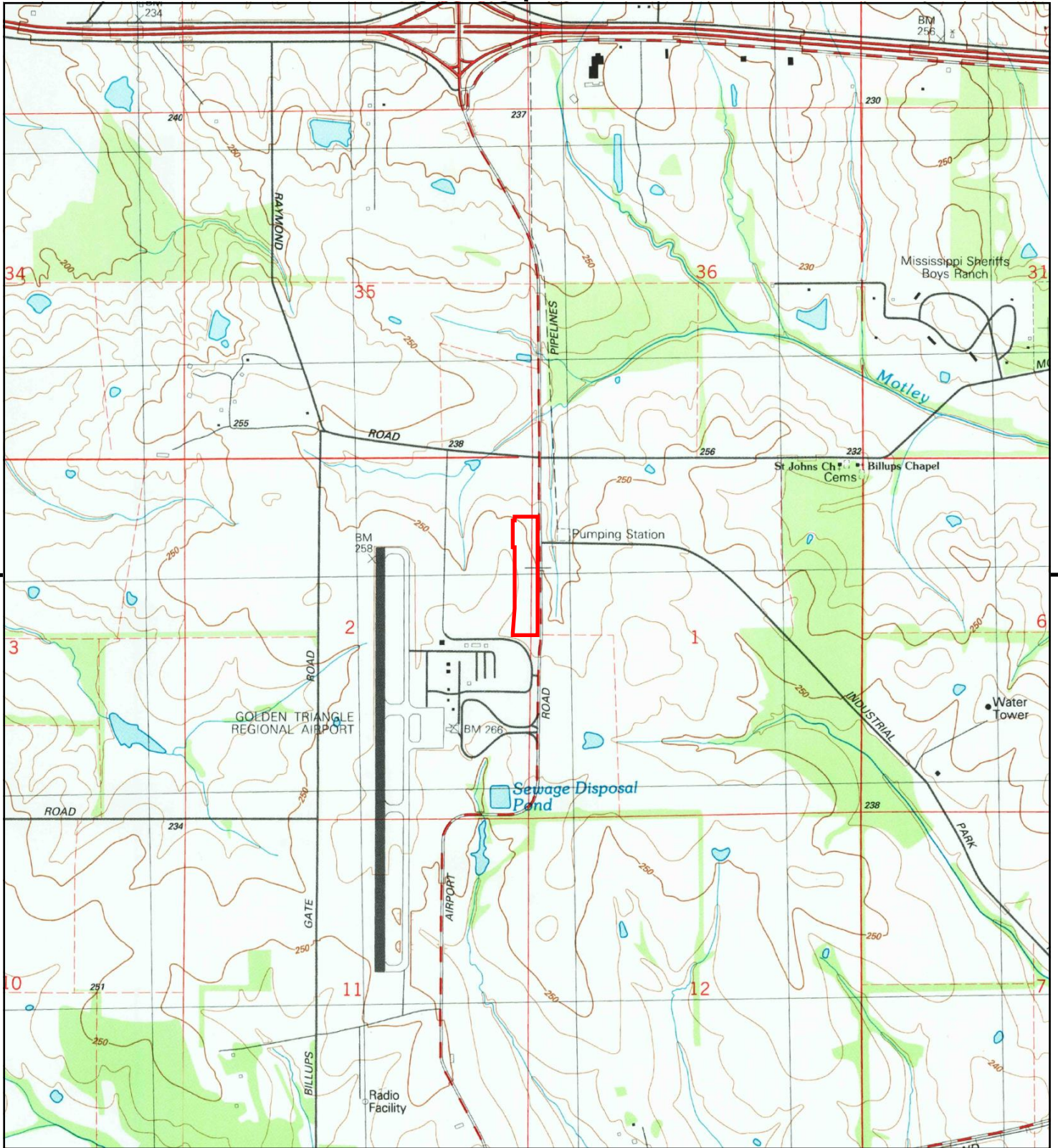
This report includes information from the following map sheet(s).



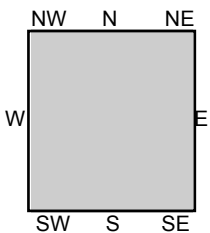
TP, Bent Oak, 2012, 7.5-minute

**SITE NAME:** Airbus Helicopters Solar Farm Area Study  
**ADDRESS:** Airport Road  
Columbus, MS 39701  
**CLIENT:** Headwaters Inc.





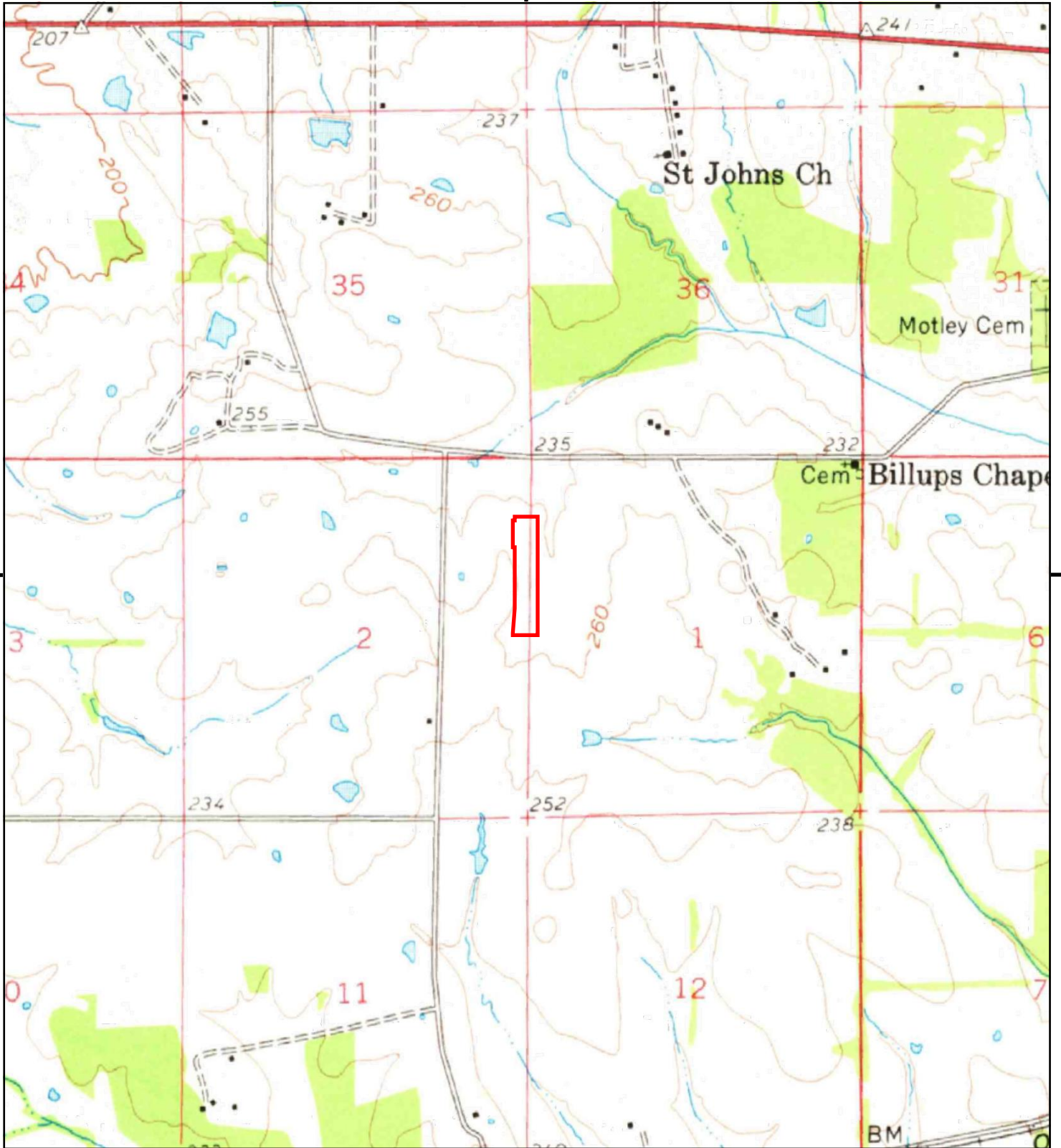
This report includes information from the following map sheet(s).



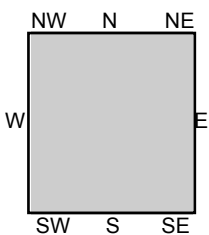
TP, Bent Oak, 1987, 7.5-minute

**SITE NAME:** Airbus Helicopters Solar Farm Area Study  
**ADDRESS:** Airport Road  
 Columbus, MS 39701  
**CLIENT:** Headwaters Inc.





This report includes information from the following map sheet(s).



TP, Artesia, 1959, 15-minute

**SITE NAME:** Airbus Helicopters Solar Farm Area Study  
**ADDRESS:** Airport Road  
 Columbus, MS 39701  
**CLIENT:** Headwaters Inc.





## **Airbus Helicopters Solar Farm Area Study**

Airport Road

Columbus, MS 39701

Inquiry Number: 7473340.8

October 19, 2023

# **The EDR Aerial Photo Decade Package**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

**Site Name:**

Airbus Helicopters Solar Farm .  
 Airport Road  
 Columbus, MS 39701  
 EDR Inquiry # 7473340.8

**Client Name:**

Headwaters Inc.  
 PO Box 2836  
 Ridgeland, MS 39158-0000  
 Contact: Pamela Hall



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

**Search Results:**

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1997	1"=500'	Acquisition Date: January 20, 1997	USGS/DOQQ
1985	1"=500'	Flight Date: March 18, 1985	USDA
1981	1"=500'	Flight Date: March 02, 1981	USGS
1952	1"=500'	Flight Date: March 08, 1952	USGS

**When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.**

**Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT.

ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT.

Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

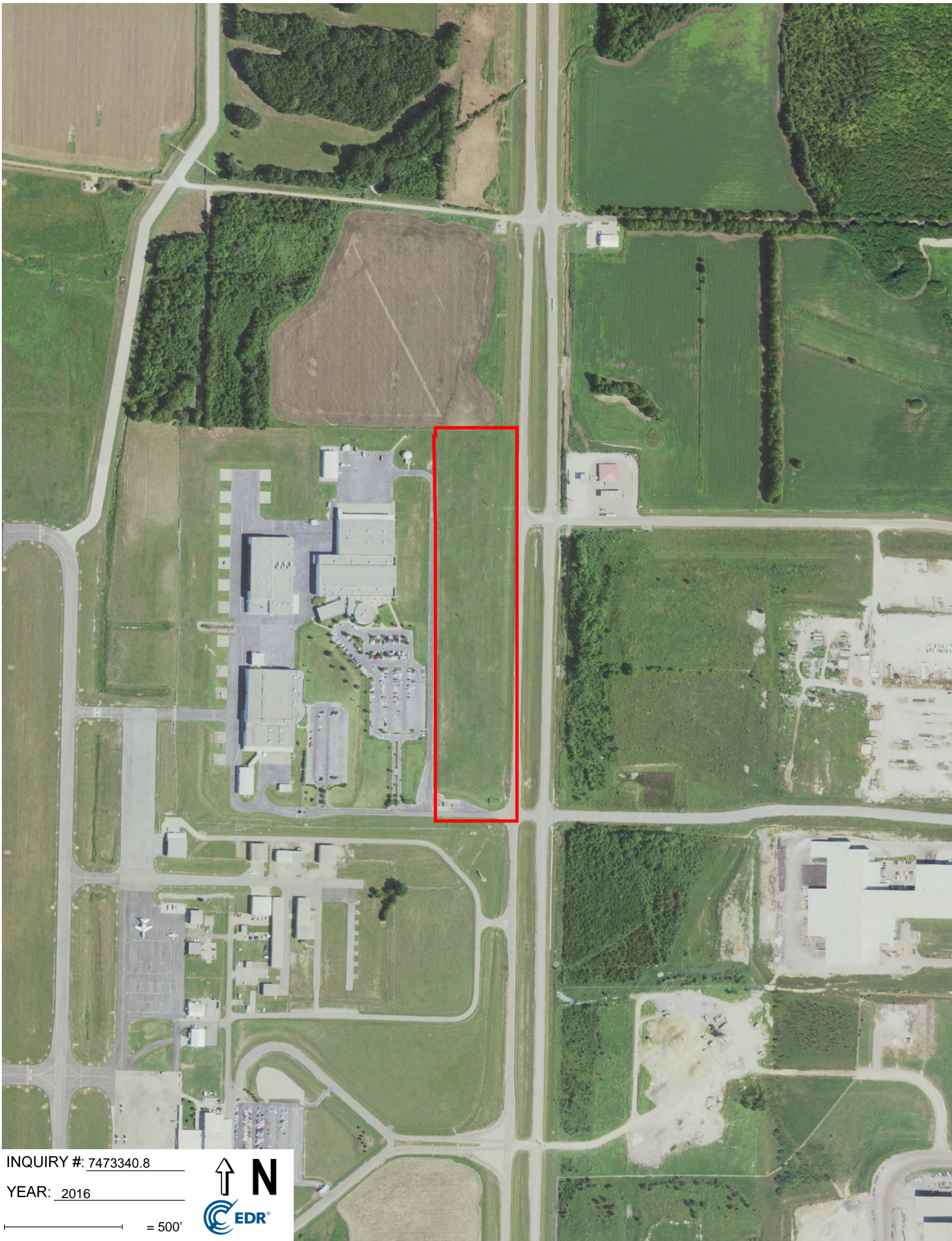


INQUIRY #: 7473340.8

YEAR: 2020

— = 500'





INQUIRY #: 7473340.8

YEAR: 2016

— = 500'







INQUIRY #: 7473340.8

YEAR: 2012

— = 500'





INQUIRY #: 7473340.8

YEAR: 2009

— = 500'





INQUIRY #: 7473340.8

YEAR: 2006

— = 500'





INQUIRY #: 7473340.8

YEAR: 1997

— = 500'





INQUIRY #: 7473340.8

YEAR: 1985

— = 500'





INQUIRY #: 7473340.8

YEAR: 1981

————— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 7473340.8

YEAR: 1952

 = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.

**Airbus Helicopters Solar Farm Area Study**

Airport Road  
Columbus, MS 39701

Inquiry Number: 7473340.5

October 19, 2023

# The EDR-City Directory Image Report



## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

*Thank you for your business.*

Please contact EDR at 1-800-352-0050  
with any questions or comments.

### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, LLC. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. This Report is provided on an "AS IS", "AS AVAILABLE" basis. **NO WARRANTY EXPRESS OR IMPLIED IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, LLC AND ITS SUBSIDIARIES, AFFILIATES AND THIRD PARTY SUPPLIERS DISCLAIM ALL WARRANTIES, OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, ARISING OUT OF OR RELATED TO THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT, INCLUDING WITHOUT LIMITATION, ANY WARRANTIES REGARDING ACCURACY, QUALITY, CORRECTNESS, COMPLETENESS, COMPREHENSIVENESS, SUITABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, MISAPPROPRIATION, OR OTHERWISE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, LLC OR ITS SUBSIDIARIES, AFFILIATES OR THIRD PARTY SUPPLIERS BE LIABLE TO ANYONE FOR ANY DIRECT, INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL OR OTHER DAMAGES OF ANY TYPE OR KIND (INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, LOSS OF USE, OR LOSS OF DATA), ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS REPORT OR ANY OF THE DATA AND INFORMATION PROVIDED IN THIS REPORT.** Any analyses, estimates, ratings, environmental risk levels, or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only an assessment performed by a qualified environmental professional can provide findings, opinions or conclusions regarding the environmental risk or conditions in, on or at any property.

Copyright 2023 by Environmental Data Resources, LLC. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, LLC, or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, LLC or its affiliates. All other trademarks used herein are the property of their respective owners.

## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

### RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2020	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2017	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information
1966	<input type="checkbox"/>	<input type="checkbox"/>	Mullin Kille Co

# FINDINGS

## TARGET PROPERTY STREET

Airport Road  
Columbus, MS 39701

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

## AIRPORT RD

2020	pg A1	EDR Digital Archive
2017	pg A2	Cole Information
2014	pg A3	Cole Information
2010	pg A4	Cole Information
2005	pg A5	Cole Information
2000	pg A6	Cole Information
1995	pg A7	Cole Information
1992	pg A8	Cole Information

## Airport Rd

1966	-	Mullin Kille Co	Street not listed in Source
------	---	-----------------	-----------------------------

## FINDINGS

### CROSS STREETS

No Cross Streets Identified

## **City Directory Images**

**AIRPORT RD 2020**

1782 AIRBUS HELICOPTERS  
AMERICAN EUROCOPTER LLC  
Louis Hoerner

1900 ACCESSIBLE AVIATION  
AVFLIGHT COLUMBUS CORP  
Mickey Ratliff

1945 ATM  
CACHE VALLEY ELECTRIC CO  
LINDE NORTH AMERICA INC  
MMC MATERIALS INC  
STEEL DYNAMICS INC

1949 COLUMBUS ROLL SHOP

1951 H 2 G INC

2080 ATM  
AVIS RENT A CAR  
BUDGET RENT A CAR  
ENTERPRISE RENT-A-CAR  
GOLDEN TRIANGLE REGL AIRPORT  
HERTZ  
TSR INC

**AIRPORT RD 2017**

1782	AMERICAN EUROCOPTER LLC
1900	DIXIE EQUIPMENT RAS INC
1910	ACCESSIBLE AVIATION
1945	CACHE VALLEY ELECTRIC EUTAW CONSTRUCTION CO GOLDEN TRIANGLE MILL SERVICE LLC H2G INC LINDE INC MMC MATERIALS SEVERCORR LLC STEEL DYNAMICS INC
2060	UNITED STATES GOVERNMENT
2080	BUDGET ENTERPRISE GOLDEN TRIANGLE REGIONAL AIRPORT GSA GTRA HERTZ HERTZ CAR RENTAL TSR INC

**AIRPORT RD 2014**

1782	AMERICAN EUROCOPTER LLC
1900	DIXIE EQUIPMENT RAS INC
1910	ACCESSIBLE AVIATION
1945	CACHE VALLEY ELECTRIC EUTAW CONSTRUCTION CO GOLDEN TRIANGLE MILL SVC LLC H2G INC LINDE INC MID SOUTH INDUSTRIAL MMC MATERIALS SCHUCK STEEL SEVERCORR LLC THOMPSONS WELDING SERVICE INC
2060	UNITED STATES GOVERNMENT
2080	ENTERPRISE GOLDEN TRIANGLE REGIONAL AIRPORT AUT GSA GTRA AUTHORITY PARKING TSR INC



**AIRPORT RD 2010**

1080 HERTZ RENT A CAR  
1782 AMERICAN EUROCOPTER  
1900 RAS INC  
TIDE AIRCRAFT LLC  
1910 ACCESSIBLE AVIATION  
1945 D & L INC  
KIRK & BLUM MFG CO  
SEVERSTAL  
1955 LINDE LLC  
1963 SCHUCK STEEL  
2060 US FAA  
2080 ATLANTIC SOUTHEAST AIRLINES  
AVIS RENT A CAR  
ENTERPRISE RENTACAR  
GOLDEN TRIANGLE RGNL ARPRTGTR  
GTRA  
TRIANGLE FEDERAL CREDIT UNION

Target Street

Cross Street

Source

✓

-

Cole Information

**AIRPORT RD 2005**

1782 AMERICAN EUROCOPTER LLC  
1900 RAS INC  
2080 ATLANTIC SE AIRLINE  
HERTZ RENT A CAR LICEN  
REPUBLIC PARKING SYSTEM INC

**AIRPORT RD 2000**

1890 HELICOPTER APPLICATORS INCORPORATED  
1892 DISHONGH, GILL  
1900 RAS INCORPORATED  
1920 EMCC AVIATION CENTER  
2060 U S GOVERNMENT TRANSPORTATION DEPARTMENT OF  
2080 HERTZ RENT A CAR LICENSEE  
NATIONAL CAR RENTAL  
PICKERING CHARLES W (CHIP) CONGRESSMAN  
REPUBLIC PARKING SYSTEMS



-

**AIRPORT RD 1995**

1900 RAS INC  
2080 ATLANTIC SOUTHEAST AIRLINES  
AVIS RENT A CAR  
HERTZ RENT A CAR  
MONTGOMERY, G V  
NORTHWEST AIRLINK AIRLINES  
REPUBLIC PARKING SYSTEM

Target Street

Cross Street

Source

✓

-

Cole Information

**AIRPORT RD 1992**

2080 LOTT, TRENT

Appendix D  
Cultural Resources

---

March 12, 2024

Ms. Natalie Ledesma  
All Phases Archaeology, LLC  
257 Pinehill Drive  
Mobile, Alabama 36606

RE: Cultural Resources Survey for the Proposed Airbus Solar Project,  
(FAA) MDAH Project Log #02-109-24, Report #24-0053, Lowndes County

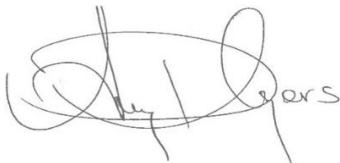
Dear Ms. Ledesma:

We have reviewed the February 21, 2024, cultural resources survey, by William J. Glass, Principal Investigator, with All Phases Archaeology, LLC, received on February 21, 2024, for the above referenced project, in accordance with our responsibilities under Section 106 of the National Historic Preservation Act and 36 CFR Part 800. After reviewing the information provided, we concur that no resources eligible for listing in the National Register of Historic Places were identified within the project area or are likely to be affected by the project. Therefore, we have no objection with the proposed undertaking.

Should there be additional work in connection with the project, or any changes in the scope of work, please let us know in order that we may provide you with appropriate comments in compliance with the above referenced regulations.

Please provide a copy of this letter to Mr. Glass. If you have any questions, please do not hesitate to contact us at (601) 576-6940.

Sincerely,



Amy D. Myers  
Preservation Planning Administrator

FOR: Katie Blount  
State Historic Preservation Officer

# All Phases Archaeology



FEBRUARY 21, 2024

## A PHASE I CULTURAL RESOURCES SURVEY FOR THE PROPOSED AIRBUS SOLAR PROJECT IN LOWNDES COUNTY, MISSISSIPPI

Prepared for:  
Headwaters, Inc.  
P.O. Box 2836  
Ridgeland, Mississippi 39158

Prepared by:  
All Phases Archaeology, LLC  
257 Pinehill Drive  
Mobile, Alabama 36606

All Phases Archaeology, LLC  
[www.allphasesarchaeology.com](http://www.allphasesarchaeology.com)





A PHASE I CULTURAL RESOURCES SURVEY FOR THE  
PROPOSED AIRBUS SOLAR PROJECT IN  
LOWNDES COUNTY, MISSISSIPPI

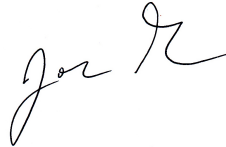
PREPARED BY

**ALL PHASES ARCHAEOLOGY, LLC**  
257 PINEHILL DRIVE  
MOBILE, ALABAMA 36606

PREPARED FOR

**HEADWATERS, INC.**  
P.O. Box 2836  
RIDGELAND, MISSISSIPPI 39158

PRINCIPAL INVESTIGATOR

A handwritten signature in black ink, appearing to read 'J. Glass', is centered below the title 'PRINCIPAL INVESTIGATOR'.

WILLIAM J. GLASS, RPA

LEAD AGENCY: FEDERAL AVIATION ADMINISTRATION  
APA REPORT No. 2024.014

FEBRUARY 21, 2024

## TABLE OF CONTENTS

Table of Contents .....	ii
Introduction.....	1
Project Area Environment.....	1
Cultural History .....	8
Paleoindian Period .....	8
Archaic Period.....	8
Gulf Formational Stage.....	9
Woodland Period.....	9
Mississippian Period .....	10
Protohistoric Period .....	11
Post-contact Period to Statehood .....	12
Lowndes County .....	12
Literature and Document Search .....	12
Field Methods .....	15
Laboratory Methods and Collection Curation .....	16
Results of Field Investigations.....	16
Conclusions and Recommendations .....	16
References.....	18

## LIST OF FIGURES

Figure 1. Aerial showing the project area. ....	2
Figure 2. Map showing the project area.....	3
Figure 3. View from the southern boundary of the project area, facing northeast.....	4
Figure 4. View from the southern boundary of the project area, facing north.....	4
Figure 5. View from the southern boundary of the project corridor, facing northwest .....	5
Figure 6. View of the Airbus entrance road and utilities along the southern boundary, facing south-southwest.....	5
Figure 7. View of the standing water in the southern portion of the project area, facing south .....	6
Figure 8. View of the standing water in the southern portion of the project area, facing west .....	6
Figure 9. Aerial image showing the soil types contained within the project area .....	7
Figure 10. Map showing previous surveys, previously recorded sites and historic resources within one mile of the project area.....	14
Figure 11. Aerial image showing shovel tests within the survey area .....	17
Figure 12. View of typical shovel test in the project area.....	18

## LIST OF TABLES

Table 1. Previous surveys within one mile of the project area .....	13
---	----

# A PHASE I CULTURAL RESOURCES SURVEY FOR THE PROPOSED AIRBUS SOLAR PROJECT IN LOWNDES COUNTY, MISSISSIPPI

## INTRODUCTION

All Phases Archaeology, LLC (APA) of Mobile, Alabama was contracted by Headwaters, Inc. of Ridgeland, Mississippi to conduct a cultural resources survey for the proposed Airbus Solar project in Lowndes County, Mississippi. The Phase I survey was performed on January 29, 2024. William J. Glass served as Principal Investigator and was assisted by Dr. Virgil “Duke” Beasley, Dr. William Henry, and Craig Pickering. The purpose of this study was to determine if any prehistoric or historic sites or properties exist within the limits of the survey tract and, if so, to document and assess each based on the National Register of Historic Places (NRHP) criteria. The lead agency is the Federal Aviation Administration.

Airbus Helicopters, Inc. is proposing to construct a 2 Megawatt (MW) fixed tilt solar ground mount system located within the project area on the property of the Golden Triangle Regional Airport. The purpose of this project is to provide the existing Airbus facility with reliable backup electrical generation and storage. The project would include soil excavation for the purpose of placing conduit, poles, solar arrays, and concrete within the project area.

The project area consists of 15.7 acres (6.35 hectares) and is located south of U.S. Highway (US) 82, and west of US 45 and Columbus, Mississippi (Figure 1). The project area is located at the Airbus Helicopters, Inc. facility located at the Golden Triangle Regional Airport. The subject property can be found on the 1987 Bent Oak, Mississippi, USGS 7.5’ series topographic quadrangle in Sections 1 and 2 in Township 18 North, Range 16 East (Figure 2). Photographs depicting the present state of the project area are provided (Figures 3-8).

## PROJECT AREA ENVIRONMENT

The survey area is located within the Flatwoods/Blackland Prairie Margins of the Southeastern Plains ecoregion. The Southeastern Plains contain a mixture of cropland, pasture, woodland, and forest land cover. Originally, the vegetation in central and northern Mississippi was predominantly oak-pine with some western mixed mesophytic forests. The Flatwoods/Blackland Prairie Margins ecoregion is a transitional region combining two slightly different areas. The Flatwoods are composed of a mostly forested lowland area with little relief, while the Blackland Prairie Margins are undulating, irregular plains with more relief. Both have clayey soils with poor drainage. Land cover is mostly mixed forest, pasture or hayland, and some cropland (Chapman et al. 2004).

Lowndes County is drained by the Tombigbee River and its tributaries. The elevation for the survey area ranges from 240 to 260 feet above mean sea level (AMSL). The county enjoys fairly short, cool winters with an average winter temperature of 46 degrees Fahrenheit (F) and a daily minimum of 34 degrees F. Summers are long and hot with an average temperature of 80 degrees and a daily maximum of 92. The annual precipitation is 55 inches, with very little falling as snow (Brent, Jr. 1979).

The Web Soil Survey (WSS) (2024) lists three soil types within the project area (Figure 9). Most of the project area consists of Okolona silty clay variants. Okolona silty clay, 1 to 3 percent slopes, and Okolona silty clay, 0 to 1 percent slopes, are deep, well drained soils found on the summits of ridges. The latter is contained in a small area of the current project area along the western boundary. Griffith silty clay, 0 to 2 percent slopes, occasionally flooded, is a deep, moderately well drained soil found on the rises of the flood plain steps. This soil is found in the southeast corner of the project area.

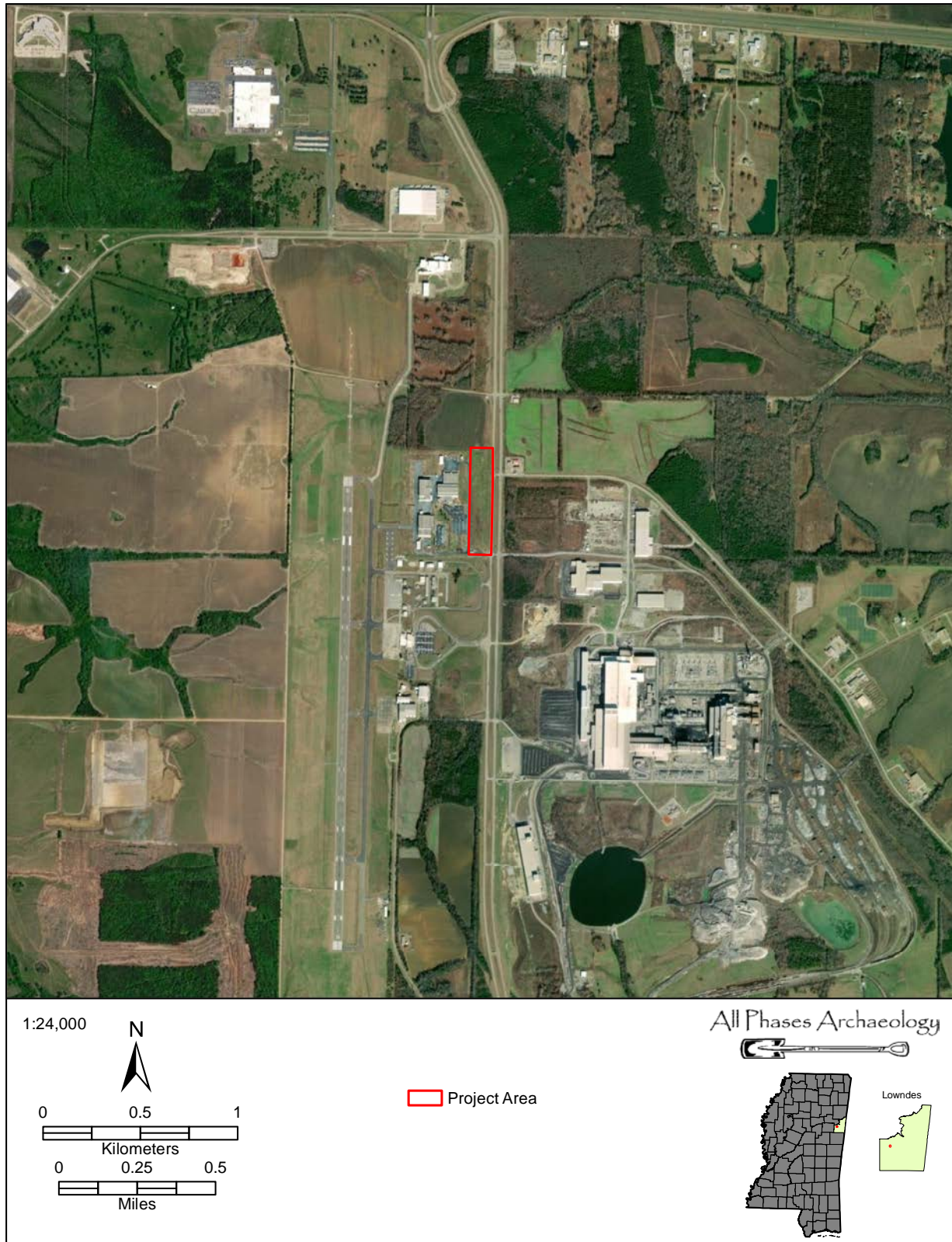


Figure 1. Aerial showing the project area.

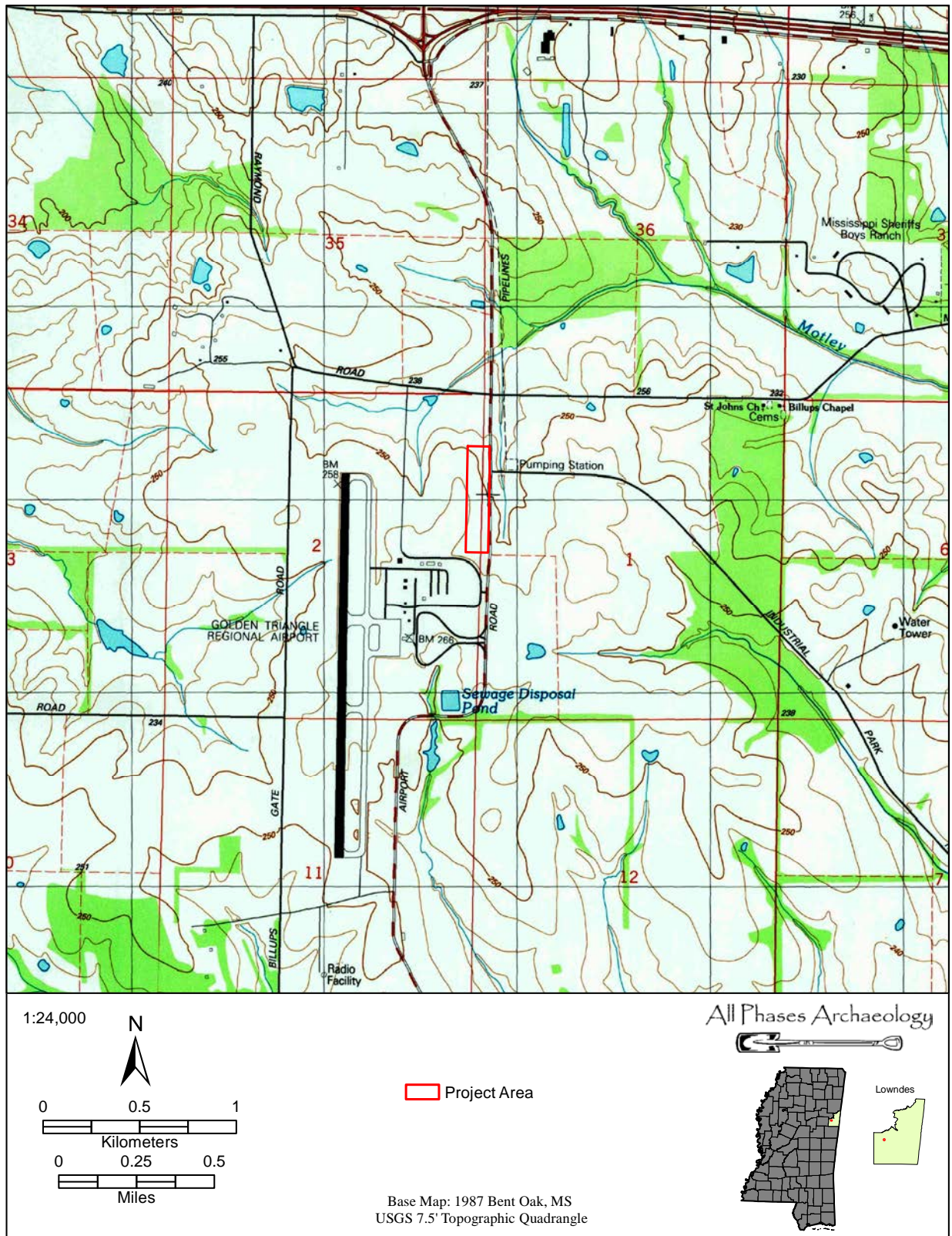


Figure 2. Map showing the project area.



*Figure 3. View from the southern boundary of the project area, facing northeast.*



*Figure 4. View from the southern boundary of the project area, facing north.*



*Figure 5. View from the southern boundary of the project corridor, facing northwest.*



*Figure 6. View of the Airbus entrance road and utilities along the southern boundary, facing south-southwest.*





*Figure 7. View of the standing water in the southern portion of the project area, facing south.*



*Figure 8. View of the standing water in the southern portion of the project area, facing west.*

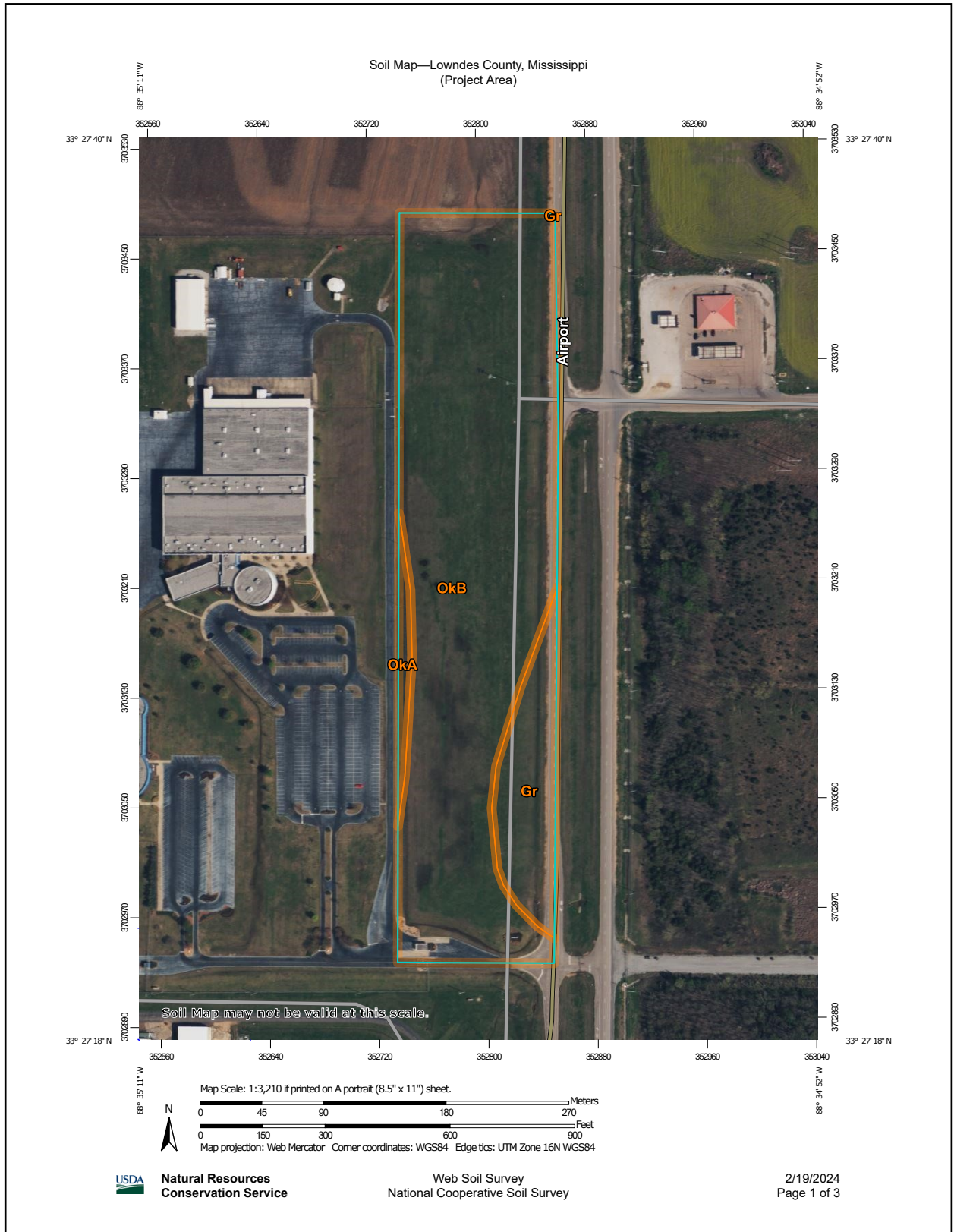


Figure 9. Aerial image showing the soil types contained within the project area.

## CULTURAL HISTORY

### PALEOINDIAN PERIOD

Initial human occupation in the southeastern United States has generally thought to have occurred between 13,000 and 9,000 B.C. (Anderson et al. 1996), although the dates continue to be pushed back further in time with new discoveries. The first evidence of human occupation in the southeastern United States occurs in the form of lithic tool assemblages found in stratified deposits. The Paleoindian Period in Mississippi is distinguished by the occurrence of a distinctive tool kit and projectile point types such as Clovis, Redstone, and Cumberland. Little is known about Paleoindian populations in Mississippi as sites of this time period are often defined by surface finds or isolated artifacts found during the excavation of later sites.

The Paleoindian Period has been divided into three temporal subperiods (Early, Middle, and Late) based on archaeologically distinct trends in technological and/or organizational development in the Southeast. In Mississippi, these periods date to: Early (10,000-9,000 B.C.), Middle (9,000-8,500 B.C.), and Late (8,500-7,900 B.C.) (McGahey 2000). Changes in point morphology reflect different cultural/temporal adaptations to the regional environment; therefore subperiod occupations are predominately distinguished by the appearance of specific diagnostic projectile point/knife types.

### ARCHAIC PERIOD

The Archaic Period in the eastern United States is dated approximately between 8,000 and 1,000 B.C. During this broad time span, prehistoric cultures in the eastern United States were adapting to the emergent Holocene environment and experiencing significant population increases. Changes in the environment and population density had a significant impact on social dynamics, and are reflected in the archaeological record. A more varied assortment of artifact types, and a broader array of artifact attributes, is interpreted to reflect intensified exploitation of a more diversified, albeit geographically limited, resource base. The increased morphological diversity of similar artifact types during the Archaic Period (Walthall 1980) is probably reflective of geographic preference and constraints. At the same time, such limitations may have also provided the impetus for the formation of trade networks, some of which become complex and far-reaching during the later Woodland and Mississippian Periods.

Population increases in Mississippi are, in general, evidenced by the increased number of prehistoric sites, along with the intensity of their occupation. This increase in population is thought to have occurred in conjunction with progressive technological sophistication and a growing efficiency in the exploitation of the emergent Holocene environment (Caldwell 1958).

The Archaic Period has been divided into three subperiods: Early (8,000-6,000 B.C.), Middle (6,000-3,000 B.C.), and Late (3,000-1,000 B.C.). In Mississippi, Early Archaic components have been found at the Hester, Beaumont, and Colbert sites. While the Late Paleoindian occupation of the Hester site was apparently a hunting camp of modest proportions, the Early Archaic occupations there are interpreted as base camps, occupied by much larger populations over a greater part of the year. Several Early Archaic components were identified within the lower layers of midden mounds as a result of the Tennessee-Tombigbee Waterway project (McGahey 2000).

The Middle Archaic Period is characterized by additional changes in tool assemblages and projectile point forms. Ground and polished stone tools such as nutting and milling stones are commonplace, and grooved stone axes and bannerstones appear in the tool assemblage (Sassaman 1983). Ground, highly polished, and drilled stone effigy beads appear for the first time and are more abundant in Mississippi than in any other state.

It is at the end of the Late Archaic Period that cultural/temporal periods become less easily defined based on projectile point morphology. This is mainly due to the introduction of ceramic technology in the subsequent periods and regional variation in the use of certain point types. Since ceramics are more subject to change, they are used as a more accurate indication of cultural/temporal phases. There are, therefore, several point types which appear in what would be considered the Late Archaic Period but are considered diagnostic of the later Poverty Point and Gulf Formational cultural periods.

The Poverty Point culture is a regional development focused on the Yazoo Basin in Mississippi. Point styles associated with the Poverty Point culture include corner-notched, side-notched, straight stemmed, and barbed forms, which date between 1,500 and 500 B.C. A large percentage of these points recorded in Mississippi are manufactured from non-local materials (McGahey 2000).

### GULF FORMATIONAL STAGE

The Gulf Formational stage refers to the period of initial development and spread of a ceramic technology initially developed on the Gulf Coastal Plain. In this region, the term Gulf Formational applies to a cultural/temporal period that begins at the end of the Late Archaic Period and is fully in place by the Middle Woodland Period (Jenkins and Krause 1986). In the region, this period falls between 1,000 and 100 B.C. and is represented by what is known elsewhere as the Middle and Late Gulf Formational stages. The Middle Gulf Formational stage (1,000-500 B.C) in the region is marked by the appearance of fiber-tempered ceramics associated with a culture known as Wheeler. The late Gulf Formational stage (500-100 B.C.) is distinguished by the presence of sand-tempered pottery, referred to as Alexander ceramics. Alexander ceramics are thought to have evolved from Wheeler ceramics. The use of sand as a tempering agent is seen as a technological advance in ceramic production and is thought to represent increased efficiency in food processing and storage (Jenkins and Krause 1986).

### WOODLAND PERIOD

The Woodland Period (1,000 B.C.-A.D. 1000) is characterized by the widespread use of ceramics, the appearance of burial mounds and other earthworks associated with ceremonial mortuary practices, and toward the later part of the period, the introduction of bow and arrow technology. Increased sedentism and an increasing reliance on local plants led to incipient agriculture and apparently resulted in widespread experimentation and innovation in the manufacture of ceramics.

Deer appears to be the main source of meat throughout the Woodland Period. However, during the later Middle Woodland Period the reliance on deer decreases while reliance on other mammals, fish, turtles, and shellfish increases, reaching a peak by the end of the Late Woodland Period. The first substantiated evidence for the presence of maize in the region does not occur until the Late Woodland Period.

Two notable, nonexclusive cultural trends distinguish the Woodland Period from the Archaic Period. One is the shift from an egalitarian social foundation to a hierarchical structure. A more sharply stratified social structure would affect the manner in which resources, labor, responsibility, and prestige were distributed throughout the group. The second trend is an increasing focus on ceremonialism. Evidence for the trend is indicated by the mortuary practices of Middle Woodland societies including the construction of earthen burial mounds. Another escalating practice, one that is reflective of the emerging social hierarchy, is differential interment. Two factors bear mention: (1) spatial arrangement of burials based on an individual's age and gender, and (2) the presence of "exotic" artifacts, manufactured from non-local resource materials, that are interred with "prestigious" individuals.

In the southeastern United States, the Woodland Period (1,000 B.C.-A.D 1000), as with the other periods, is traditionally subdivided into the Early (1,000-100 B.C.), Middle (100 B.C.-A.D. 500), and Late (A.D. 500-1000) Woodland Periods. In the upper Tombigbee region of Mississippi, the Early Woodland corresponds to the Middle and Late Gulf Formational stages (Jenkins and Krause 1986).

It has been proposed that “nucleated settlements” may best describe site type(s) and distribution during the Middle Woodland Period. Based on investigations in the upper Elk and Duck river valleys in Tennessee, McCollough and Faulkner (1973) have suggested two possible patterns of Middle Woodland settlement: (1) large permanently occupied villages from which smaller groups disperse to exploit outside resources, and/or (2) large seasonally occupied villages. It is generally agreed that the primary agent for an increasingly sedentary settlement pattern is the greater focus on agricultural endeavors.

There is a marked distinction in Late Woodland cultural remains over the previous periods. Larger stemmed projectile point types are replaced by small triangular Madison and Hamilton type points, indicating the widespread use of bow and arrow technology. Micro-tools (small chert flakes used as knives) are also added to the lithic assemblage during this time. Grog is the dominant tempering agent and there is a noticeable lack of sand-tempered types. At the end of the period (A.D. 1000) shell-tempered pottery enters the assemblage as an extreme minority. An increase in the population is represented by the presence of numerous larger communities. Houses are small, rectangular, semi-subterranean structures. The construction of burial mounds ceases (Walthall 1980) and burials are arranged in a semi-extended position with individuals lying on their backs or sides with their heads oriented to the east. By the end of the Late Woodland Period, population levels were greatly increased and horticulture and non-burial mound ceremonialism became highly developed.

## MISSISSIPPIAN PERIOD

The Mississippian Period is generally dated between ca. A.D. 900 and 1600, although considerable regional variation is documented for the emergence and culmination of this period (Griffin 1967; Peebles 1970). The primary artifacts that are diagnostic of the Mississippian Period are a wide variety of utilitarian and non-utilitarian shell tempered ceramics. In hamlets and farmsteads, the ceramics were mainly undecorated utilitarian wares including storage vessels such as jars and bottles, cooking pans, and consumptive vessels such as cups and bowls. Although a wide range of non-decorated utilitarian wares were also present in ceremonial centers and villages, vessels were often decorated with symbolic motifs and effigy vessels were common. Other ceramic artifacts included effigy (smoking) pipes, disks, human effigies (fertility figurines), and animal effigies.

Small triangular projectile points such as Madison and Hamilton are diagnostic of the Mississippian Period. An array of woodworking tools including adzes, axes, chisels, and wedges/splitters are also found on Mississippian sites. Other lithic artifacts occurring during this period include discoidals/gaming stones and carved human and nonhuman effigies.

Subsistence activities were dominated by intensive agricultural pursuits including the cultivation of maize (*Zea mays*), beans (*Phaseolus vulgaris*), and squash (*Cucurbits sp.*). Other cultural characteristics of the period include complex social/political organization; complex economic systems; large ceremonial centers; wall-trench houses; and pyramidal, flat-topped mounds (Griffin 1967).

Brown (1979) noted intensive use of the Loess Hills around Vicksburg during the Mississippian period. The Coles Creek culture (A.D. 700 to 1200) marks the beginning of the Mississippian period in the Lower Mississippi Valley and Loess Hills. This culture is contemporaneous with Terminal Woodland and Emergent/Early Mississippian periods elsewhere in the South (Fritz and Kidder 1993). Coles Creek period sites do

not have shell-tempered pottery, but they do have earthen mounds. The Coles Creek period is most known for the distinct spatial patterns present on the sites. These typically consist of a series of small platform mounds positioned around a central plaza (Neuman 1984). This period also saw numerous examples of complicated stamping of ceramics in Louisiana. In addition, the bow and arrow was introduced during this period, which might have led to the collapse of the Coles Creek culture. The increase in available food led to an increase in population that the communities could no longer support. Another thing that could have led to the cultural collapse was changes in weather patterns, as weather from around A.D. 500 to 800 was cooler and dryer. This changed the availability of food at a time when native societies were already stressed to provide for the growing populations. These stresses led to an increase in warfare that continued into the following period (Stoltman 1978).

The Plaquemine culture evolved from the Coles Creek culture. Typical ceramic types include Anna, Foster, Emerald, and Natchez and unlike “classic” Mississippian assemblages, which include heavy use of shell tempering, the Plaquemine ceramics are tempered with a combination of inorganic and organic materials, which may include bone and crushed shell (Morgan n.d.; Neitzel 1965, 1983). The Plaquemine culture takes its name from the Medora Site (16WBR1), which is found in the town of Plaquemine, Louisiana. During this time an almost simultaneous florescence occurred over many parts of the Southeast, resulting in the development of large, hierarchical societies centered at impressive mound complexes such as Cahokia in present day Illinois, Spiro in Oklahoma, Moundville in Alabama, and Etowah in northwest Georgia. Differentiating the Plaquemine culture further from their earlier Coles Creek ancestors is the brushing and engraving techniques observed in their pottery (Smith et al. 1983). This culture came to an end with the appearance of European explorers.

## PROTOHISTORIC PERIOD

In 1539, the Spanish conquistador Hernando de Soto’s expedition landed near present-day Tampa Bay, Florida and spent the next few years exploring the southeast and bringing death and destruction to the hapless Native Americans they encountered. If not brought down by violence, the natives were stricken by diseases to which they had no resistance. It is not certain if this contact resulted in the end of most Mississippian sociopolitical organizations, or if other factors had already started the demise. But by 1600, archaeological evidence indicates that most of the large Mississippian civic-ceremonial centers were either abandoned or had suffered substantial declines in population. The populations of these centers apparently dispersed into smaller villages, hamlets, and farmsteads. The scattered tribal units encountered by seventeenth century explorers probably bore little resemblance to the highly integrated cultural systems of the Mississippian peoples. The Natchez were the only group still exhibiting a Mississippian pattern at the time the French entered the region in the seventeenth century.

More than a century after de Soto’s expedition, the French explored and claimed the Mississippi River area. In 1673, Father Jacques Marquette and Luis Jolliet traveled down the Mississippi River from Canada and observed Indians with firearms and other European trade items in the area of northern Mississippi. Rene-Robert Cavalier, Sieur de La Salle traveled down the Mississippi River in 1682, claiming all the land it drained for France. La Salle was followed by Henri de Tonti in 1685. In 1699, Pierre Le Moyne, Sieur D’Iberville, arrived at the coast by ship, anchoring off Ship Island and going ashore at present-day Ocean Springs, Lowndes County. Iberville constructed a fort on the east side of Biloxi Bay. Fort Maurepas was the first European settlement in Mississippi and the first capital of the French colony of Louisiana (Bunn and Williams 2007). It was short-lived as the crop-killing heat, lack of fresh water, and illness threatened the settlement. Fearing a war with the British, the French elected to relocate closer to their Spanish allies. By 1702, Fort Maurepas had been abandoned in favor of Fort Louis, located at 27-mile-bluff on the Mobile River. The French briefly returned their capital to the Mississippi coast from 1719 to 1722 before moving yet again, this time to New Orleans.

## POST-CONTACT PERIOD TO STATEHOOD

The French brought not only explorers but fur traders and missionaries, and for a time the French and the Indians led a cautious co-existence. The Europeans built fortifications, such as Fort Rosalie, established in 1716 at present-day Natchez, Mississippi. Cultural differences and misunderstandings eventually led to squabbles and all-out war between the Natchez Indians and the French colonists. The English, vying with France and Spain for control of the New World, encouraged the Indians' animosity toward the French. The Natchez Indians rose up against the French settlers in 1729 in an attempt to drive them off their lands. The French retaliation practically decimated the tribe. Many Natchez refugees joined other tribes, including the Chickasaws, Creeks, and Cherokees (Barnett 2007). The French and Indian War (1754-1763) involved many more factions than just the French and the Indians. Hostilities between France and Great Britain had been building for years, as both fought to seize more land and control in the New World. Great Britain had the backing of Anglo-American colonists and the powerful Iroquois confederacy. France had her own native allies and French colonists. Peace was accomplished with the Treaty of Paris in 1763, which gave the French territory east of the Mississippi to the British, along with Spanish Florida (United States Department of State 2014).

The British divided Spanish Florida into East and West Florida. What is now Southern Mississippi became a part of West Florida, with Pensacola as the seat of government (Haynes 2000). Settlement was slow at first and British rule was plagued with ineffectual governors. In 1770, with the appointment of Peter Chester as the governor, the settlement shifted to lands along the Mississippi River. Not only were the soils more fertile than the sandy soils of the coast, but the Chickasaw and Choctaw Indians were more peaceful than the eastern Creeks. The river also furnished a highway for the fur and slave trade. Although neither East nor West Florida joined the American Revolution, the colonies there were not untouched by the conflict. Many British loyalists sought refuge in West Florida. In the aftermath, Bernardo de Galvez, Spanish governor of Louisiana, took Natchez in 1779 and Pensacola in 1781. Through a series of treaties that marked the end of the American Revolution, the United States received independence and the territory east of the Mississippi River between the Great Lakes and the thirty-first parallel. Spain disagreed and it took the Pinckney Treaty of 1795 to settle the dispute in favor of the U.S. (Haynes 2000).

Following the treaty, Spain was slow to evacuate the land given to the U.S. They finally did so in 1798 and the Territory of Mississippi was established on April 7, 1798 (Bunn and Williams 2008). The original boundaries were the Mississippi River to the west, the Chattahoochee River to the east, the thirty-first parallel to the south, and the confluence of the Yazoo and the Mississippi rivers to the north. The boundaries were extended twice and by 1813 included the present boundaries of Mississippi and Alabama. In 1817, the area was divided between the two interests and Mississippi was granted statehood, with Natchez as the state capital (Bunn and Williams 2008).

## LOWNDES COUNTY

Lowndes County west of the Tombigbee River, including the proposed project area, is part of the Third Choctaw Cessions granted at the Treaty of Dancing Rabbit Creek. Part of Monroe County was taken to form Lowndes in 1830, which was named for William Jones Lowndes, congressman from and governor of South Carolina (Brent, Jr. 1979). The county seat of Columbus has an even longer history than the county. Originally known as Possum Town from 1817 to 1821, it was incorporated in 1821. During the Civil War, Columbus served as a hospital center, an arsenal, a major food producing center, and the state capital after Jackson was captured. The city was never invaded by Federal troops (Msgn 2017). In 1866, local women placed flowers from their gardens on the graves of both Confederate and Union soldiers at Friendship Cemetery. This tradition is thought to be the first Decoration Day, which eventually became Memorial Day. The county had a black majority for many years before and after the Civil War, and also had a large number

of foreign-born residents, mainly Germans. The first state-supported institution for women in the U.S. was founded in Columbus. The Industrial Institute and College for the Education of White Girls of the State of Mississippi opened in 1884. In 1920, it became Mississippi State College for Women. It admitted its first black students in 1966. By 1974, the name changed again to Mississippi University for Women, admitting its first male students in 1982 (Mississippi Encyclopedia 2019).

## LITERATURE AND DOCUMENT SEARCH

Before conducting the fieldwork, APA performed a literature and document search in order to gather pertinent background information regarding the subject property and its surroundings. This search included an online query of the MDAH (2024) Mississippi State Archaeological Site File (MSASF). A one-mile (1.6 kilometers [km]) radius search was conducted around the proposed project area for previously recorded archaeological sites and previous cultural resource surveys. The search area was also inspected for historic structures recorded within MDAH's historic property files and in the National Register of Historic Places (NRHP) (National Park Service 2024).

Background research revealed two previously recorded sites, 15 previous surveys, and two historic resources (Table 1) within a mile of the study area (Figure 10). Two of the surveys, #02-293 and #06-293, overlap with the current project area. There are no NRHP-listed properties within one mile of the project area.

<b>Table 1. Previous surveys within one mile of the project area.</b>			
<b>Survey Number</b>	<b>Report Title</b>	<b>Acreage</b>	<b>Author</b>
77-017	<i>Archaeological Survey of Proposed Golden Triangle Industrial Park</i>	unknown	Atkinson
02-293	<i>A Cultural Resources Survey of the Proposed Eurocopter Facility, Lowndes County, Mississippi</i>	117	O'Hear
06-113	<i>Cultural Resource Survey of Proposed Lowndes County Mega Site II, Lowndes County, Mississippi</i>	1860	Johnson
06-293	<i>A Cultural Resource Survey of the Proposed Cambridge Square Drainage Project, to be Located in Jackson County, Mississippi</i>	45.3	Underwood et. al
06-405	<i>A Cultural Resources Survey of the Proposed Bear Expansion to the Golden Triangle Industrial Park, Lowndes County, Mississippi</i>	107	Johnson
06-445	<i>A Cultural Resources Survey of the Proposed Tiger Expansion to the Golden Triangle Industrial Park, Lowndes County, Mississippi</i>	486	Johnson
07-414	<i>Cultural Resource Survey for Transmission Line Replacement Work Associated With Phase 2 of the Severcorr Project in Lowndes County, Mississippi</i>	unknown	D'Angelo et al.
10-0030	<i>Phase I Cultural Resource Assessment of 6.4 acres on the Gautier High School Campus Gautier, Jackson County, Mississippi</i>	19	D'Angelo et al.
10-0178	<i>Cultural Resources Survey of the Proposed GTR Global Aerospace Industrial Park, Lowndes County, Mississippi</i>	793	Johnson
15-0096	<i>Cultural Resources Survey of the Golden Triangle Center for Manufacturing, Technology, and Engineering Site, Lowndes County, Mississippi</i>	20.30	Johnson
15-0347	<i>Cultural Resources Survey of the LCIDA Steel Dynamics Paint Line Survey Area, Lowndes County, Mississippi</i>	108	Johnson
15-0348	<i>Cultural Resources Archival Review of Three Proposed Industrial Development Areas, Lowndes County, Mississippi</i>	3155	Johnson
18-0164	<i>Cultural Resources Survey of the Steel Dynamics Project Alloy Area, Lowndes County, Mississippi</i>	4.8	Johnson
21-0404	<i>A Phase I Cultural Resources Survey for the Proposed Altex Tube Facility, Lowndes County, Mississippi</i>	32	Glass
23-0217	<i>An Archaeological Survey of Aluminum Dynamics, LLC's Development Tract in Lowndes county, Mississippi</i>	831	Sison et al.





Site 22Lo999 was recorded by Jay Johnson in 2006 during survey #06-113. The site represents a mid-twentieth century structure that was probably destroyed to clear the field for agricultural use. The light artifact scatter included brick, whiteware, glass, and a fragment of an iron tea kettle that were found on the surface. An intact cistern is located nearby a small copse of trees and large concrete slabs have been piled in the treeline to the north. This site is recommended ineligible for inclusion in the NRHP.

No information was available through MDAH concerning site 22Lo1047.

Survey #02-293, *A Cultural Resources Survey of the Proposed Eurocopter Facility, Lowndes County, Mississippi*, was conducted by John W. O'Hear in 2002. The survey area covered the now operating Airbus Helicopter, Inc. which includes most of the current project area. The area investigated included the facility, a strip to the runway and sewer lines from the facility to the nearby industrial park. Most of the sewer line is within the right-of-way (ROW) of existing road side ditches. Freshly disced transects were placed at unknown intervals, and although shovel testing was performed, the tests were placed randomly within the project area. No cultural resources were recorded during this survey (O'Hear 2002).

Survey #06-293, *Cultural Resources Survey of Proposed Improvements to and Relocation of Mississippi Highway 789, Lowndes County, Mississippi*, was conducted by the Mississippi Department of Transportation (MDOT) in 2006. The survey area included 117.9 acres, of which only 45.3 acres required survey since they are outside the existing Mississippi Highway (MS) 789 ROW. This is adjacent to the current project area on the east, between US 82 and Artesia Road along the east side of the existing Airport Road. Though mapped as overlapping, the survey area does not overlap with the current project area. The survey area was shovel tested in 30 m intervals throughout the length of the new ROW (Underwood et al. 2006). Though several cultural resources were identified within the survey area, all were located over a mile from the current project area.

Historic resource 087-ART-3105, Golden Triangle Regional Airport, was constructed between 1969 and 1971. The architect is believed to be Thomas Shelton Jones, who designed several Mississippi Educational buildings between 1953 and 1969. The NRHP eligibility of this resource is unknown.

Historic resource 087-ART-3106, Billups Whitfield Cemetery, is located west of the north end of the runway for the Golden Triangle Airport. The cemetery was established in c. 1852. No other information was available.

Historic maps were also reviewed. The 1911 Lowndes County soil survey map revealed no structures within the project area. Likewise, the 1959 Artesia 15' series topographic map does not depict any structures within the project area. No structures are shown within the project area on the 1955 aerial photograph (historicaerials.com 2024).

## FIELD METHODS

A Phase I cultural resources survey was guided by procedural standards established by MDAH. Land coverage requirements were achieved by walking and visually inspecting the entire survey area. Any exposed surfaces were carefully examined for cultural material. Subsurface testing is generally performed along 30-m interval transects comprised of shovel tests spaced 30 m apart. If cultural material is discovered, delineations are then performed at 10-m intervals. Standard shovel tests consist of 30 centimeter (cm) diameter cylindrical holes excavated to 10 cm into the sterile subsoil layer. Soils from each test are screened through 1/4-inch hardware cloth for the purpose of recovering any cultural material that may exist at that location. When cultural material is encountered, the material is sorted by provenience and placed into bags labeled with the pertinent excavation information before being transported to APA's laboratory.

## LABORATORY METHODS AND COLLECTION CURATION

All cultural materials recovered during field projects are delivered to APA's laboratory in Mobile, Alabama for processing. Here, materials are sorted by provenience, cleaned, and analyzed. Along with the cultural material, all project records, photographs, and maps produced while conducting the investigation are transported for curation at the Capers Archaeological Repository with the Mississippi Department of Archives and History in Jackson, Mississippi.

## RESULTS OF ARCHAEOLOGICAL INVESTIGATIONS

The project area is located within the Golden Triangle Regional Airport. It is north of the airport proper, east of the Airbus Helicopter, Inc. facility and west of Airport Road. The project area lies within the manicured lawn median between the road and the facility. The southern end of the project area includes the paved access road, the check-in station, the Airbus welcome sign and a model helicopter. The project area is relatively flat with a gradual slope down to the north and south. Buried utilities including water, sewer, and telephone lines are located along the eastern boundary. Two power poles are located in the north half of the project area on the eastern boundary. A fence and parking lot lights are located along the western boundary. Standing water is common in the southern portion of the project area. A low drainage runs along the southern and eastern boundaries of the median. The project area was free of litter and debris, though the surface visibility was poor due to the thickness of the lawn.

The current investigation required 76 transect shovel tests to be attempted in the survey area. Four tests could not be excavated due to the paved surface of the facility access road on the southern end. The remaining 72 tests were negative for cultural material (Figure 11). Some tests were offset to avoid the standing water. A typical shovel test contained 80 cm of very dark grayish brown (10YR 3/2) silty clay (Figure 12). No cultural resources were encountered.

## CONCLUSIONS AND RECOMMENDATIONS

APA, under contract with Headwaters, Inc., performed the Phase I cultural resources survey for the Airbus Solar project in Lowndes County, Mississippi on January 29, 2024. No cultural resources were found. No historic properties exist within the project area. As such, no further cultural resources studies are recommended for the Airbus Solar project.

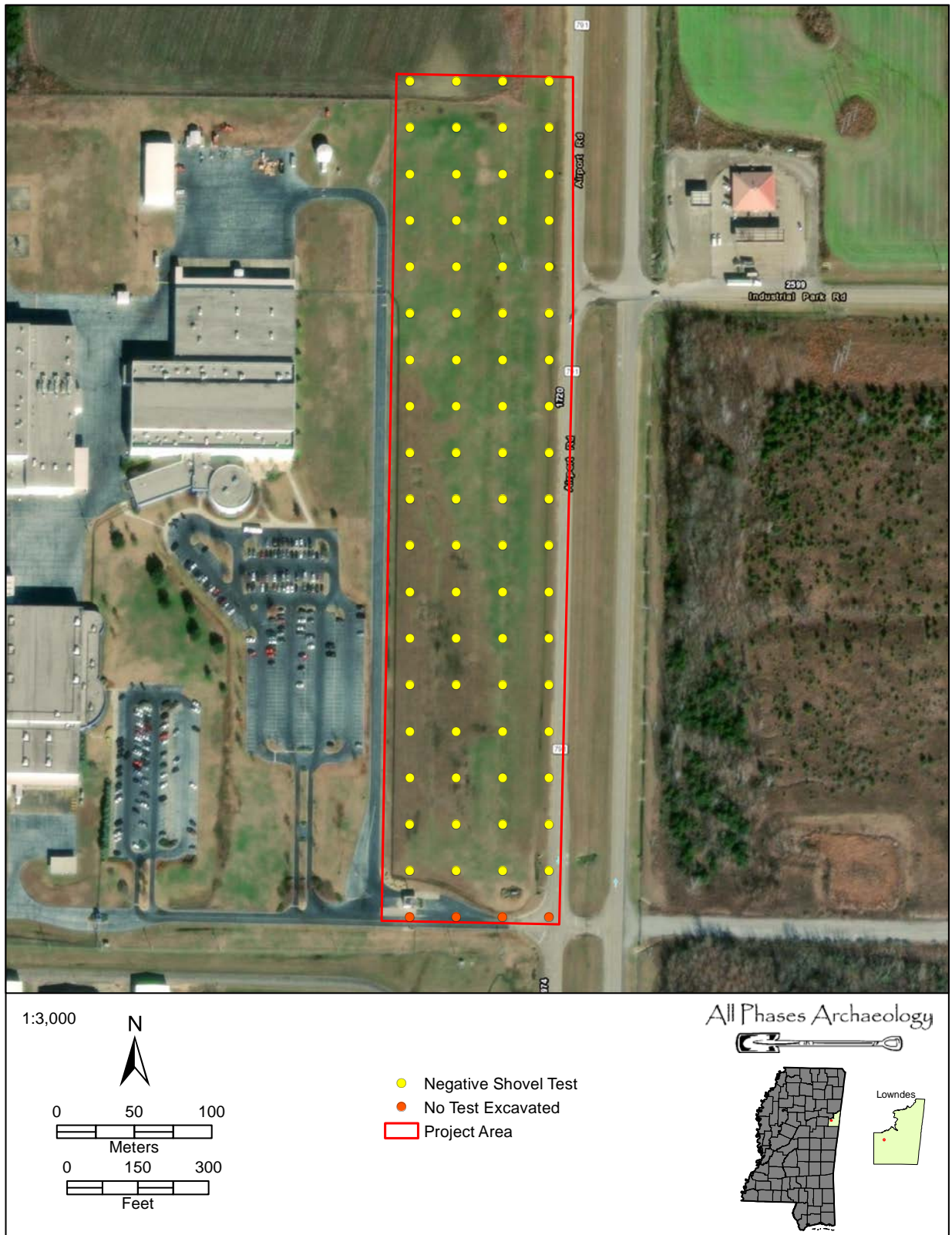


Figure 11. Aerial image showing shovel tests within the survey area.



**Figure 12.** *View of typical shovel test in the project area.*

## REFERENCES

- Anderson, David G., Lisa D. O'Steen, and Kenneth E. Sassaman  
 1996 Environmental and Chronological Considerations. In *The Paleoindian and Early Archaic Southeast*. Edited by David G. Anderson and Kenneth E. Sassaman, pp. 3-15. Tuscaloosa: University of Alabama Press.
- Barnett, Jim  
 2007 Mississippi History Now: The Natchez Indians. Electronic document, <http://mshistorynow.mdah.state.ms.us/index.php?id=4>, accessed October 17, 2014.
- Brent, Floyd V., Jr.  
 1979 Soil Survey of Lowndes County, Mississippi. United States Department of Agriculture, Soil Conservation Service and Forest Service, Washington, D.C.
- Brown, Ian W.  
 1979 Early 18th Century French-Indian Culture Contact in the Yazoo Bluffs Region of the Lower Mississippi Valley. Unpublished Ph.D. Dissertation, Department of Anthropology, Brown University.
- Bunn, J. Michael, and Clay Williams  
 2008 Mississippi History Now. Mississippi's Territorial Years: A Momentous and Contentious Affair (1798-1817). Electronic document, <http://mshistorynow.mdah.state.ms.us/articles/299/mississippi-territorial-years-1798-1817>, accessed October 23, 2014.
- Caldwell, J.R.  
 1958 Trend and Tradition in the Prehistory of the Eastern United States. American Anthropological Association, Memoir No. 88.
- Chapman, S.S., G.E. Griffith, J.M. Omernik, J.A. Comstock, M.C. Beiser, and D. Johnson  
 2004 Ecoregions of Mississippi, (color poster with map, descriptive text, summary tables, and photographs): Reston, Virginia, U.S. Geological Survey.
- Fritz, Gayle J., and Tristram R. Kidder  
 1993 Recent Investigations into Prehistoric Agriculture in the Lower Mississippi Valley. *Southeastern Archaeology* 2:37-63.
- Griffin, James  
 1967 Eastern North American Archaeology: A Summary. *Science* 156:175-91.
- Haynes, Robert V.  
 2000 Mississippi History Now: Mississippi under British Rule - British West Florida. Electronic document, <http://mshistorynow.mdah.state.ms.us/articles/66/mississippi-under-british-rule-british-west-florida>, accessed October 17, 2014.
- Historicaerials.com  
 2024 Historic aerial photographs. Available online at <https://www.historicaerials.com/viewer>, accessed February 2024.

Jenkins, Ned and Richard Krause

1986 *The Tombigbee Watershed in Southeastern Prehistory*. University of Alabama Press. Tuscaloosa, Alabama.

McCollough, M. and C. Faulkner

1973 Excavation of the Higgs and Doughty Sites, I-75 Salvage Archaeology. *Tennessee Archaeological Society Miscellaneous Papers*, No. 12.

McGahey, Samuel O.

2000 *Mississippi Projectile Points*, Mississippi Department of Archives and History: Archaeological Report No. 31.

Mississippi Department of Archives and History (MDAH)

2024 Mississippi State Archaeological Site Files. Mississippi Department of Archives and History. Historic Preservation Division. Jackson, Mississippi, accessed January 2024.

Morgan, David

n.d. Post-Archaic Period. In Unedited Version of the State Historic Context Document and Comprehensive Historic Preservation Plan for the State of Mississippi for 1997, 1998, 1999. Mississippi Department of Archives and History, Jackson.

National Park Service

2024 National Register of Historic Places. Department of the Interior, Washington, D.C. Electronic document available online at <http://www.nps.gov/nr/research/>. Accessed January 2024.

Neitzel, Robert S.

1965 Archaeology of the Fatherland Site: The Grand Village of the Natchez. *Anthropological Papers*, Vol. 51, Part 1. American Museum of Natural History Anthropological Papers, New York.

1983 The Grand Village of the Natchez Revisited: Excavation of the Fatherland Site, Adams County, Mississippi, 1972. *Archaeological Report 12*. Mississippi Department of Archives and History, Jackson.

Neuman, Robert W.

1984 *An Introduction to Louisiana Archaeology*. Louisiana State University Press, Baton Rouge.

O'Hear, John W.

2002 *A Cultural Resources Survey of the Proposed Eurocopter Facility, Lowndes County, Mississippi*. Survey #02-293.

Peebles, Christopher

1970 Moundville and beyond: Some observations on the changing social organization in the southeastern United States. Paper read at the 69th annual meeting of the American Anthropological Association.

Sassaman, Kenneth E.

1983 Middle and Late Archaic Settlement in the South Carolina Piedmont. M.A. thesis, Department of Anthropology, University of South Carolina, Columbia.

Smith, Steven D., Philip G. Rivet, Kathleen M. Boyd, and Nancy W. Hawkins

1983 *Louisiana's Comprehensive Archaeological Plan*. Louisiana Division of Archaeology, Department of Culture, Recreation, and Tourism, Baton Rouge.

Stoltman, James B.

1978 Temporal Models in Prehistory: An Example from Eastern North America. *Current Anthropology* 19:703-46.

Underwood, John R., Reed T. Nunnelee, Lisbeth J. Velasquez and James H. Turner

2006 *Cultural Resources Survey of Proposed Improvements to and Relocation of Mississippi Highway 789, Lowndes County, Mississippi*. Survey #06-293.

United States Department of State

2014 Office of the Historian. French and Indian War/Seven Years' War, 1754-63. Electronic document, <https://history.state.gov/milestones/1750-1775/french-indian-war>, accessed October 17, 2014.

Walthall, John

1980 *Prehistoric Indians of the Southeast: Archaeology of Alabama and the Middle South*. University of Alabama Press. Tuscaloosa.

Web Soil Survey

2024 Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Available online at <http://websoilsurvey.nrcs.usda.gov/>, accessed February 2024.



Appendix E  
Consultation – Tribal & SHPO



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Airports District Office  
10 Canebrake Blvd., Suite 100  
Flowood, Mississippi 39232

January 18, 2024

Alabama-Coushatta Tribe of Texas  
Bryant Celestine, THPO  
571 State Park Road 56  
Livingston, TX 77351

**Subject:** Finding of No Historic Properties Affected or No Adverse Effect  
Airbus Helicopters, Inc, Proposed 2 MW Fixed Tilt Solar Ground Mount System  
Golden Triangle Regional Airport – Lowndes County, Mississippi

Dear Mr. Celestine:

In keeping with a government-to-government relationship, and in compliance with the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 300101 et seq.), and its implementing regulations, 36 CFR § 800, we invite you to participate in the Section 106 process as a consulting party. As part of the review process, we request information that identifies any resources that may hold traditional religious or cultural significance to the Alabama-Coushatta Tribe of Texas that could be affected by the proposed work, and, if applicable, assist in developing alternatives that would avoid, minimize, or mitigate any adverse effects.

Airbus Helicopters is proposing to construct a 2 MW fixed tilt solar ground mount system located on approximately 15 acres on the property of the Golden Triangle Regional Airport. The line layouts of this project will be within the boundaries as shown on the attached map exhibits. The purpose of this project is to provide the existing Airbus facility with reliable backup electrical generation and storage.

The project would include soil excavation for the purpose of placing conduit, poles, solar arrays, and concrete within the project area. It is the intent of Airbus Helicopters to conduct a Phase I Cultural Resource Survey within the project area.

The FAA is notifying you about the referenced project because of the possible interest of the Alabama-Coushatta Tribe of Texas in Lowndes County. Should the Alabama-Coushatta Tribe of Texas elect to participate in Section 106 review of the referenced project, please notify me in writing via letter or email as soon as possible at the following addresses – Eric Tomasovic, EPS, FAA ADO - Jackson, Flowood, Mississippi 39232 or [eric.tomasovic@faa.gov](mailto:eric.tomasovic@faa.gov).

We value your assistance and look forward to consulting further if there are historic properties of religious and/or cultural significance to your Tribe that may be affected by this project. To

meet project timeframes, if you would like to participate or provide information regarding this project, FAA respectfully requests that you notify us within 30 days.

Should you have any questions or require additional information you may contact me at (757) 749-6989.

Sincerely,

*Eric Tomasovic*

Eric Tomasovic

Enclosures

cc: ALDOT Avionics, Taylor Janney  
Headwaters, Inc., Pamela Hall



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Airports District Office  
10 Canebrake Blvd., Suite 100  
Flowood, Mississippi 39232

January 18, 2024

Chickasaw Nation  
Kirk Perry, Historic Preservation Officer  
P.O. Box 1548  
Ada, Oklahoma 74821

**Subject: Finding of No Historic Properties Affected or No Adverse Effect  
Airbus Helicopters, Inc, Proposed 2 MW Fixed Tilt Solar Ground Mount System  
Golden Triangle Regional Airport – Lowndes County, Mississippi**

Dear Mr. Perry:

In keeping with a government-to-government relationship, and in compliance with the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 300101 et seq.), and its implementing regulations, 36 CFR § 800, we invite you to participate in the Section 106 process as a consulting party. As part of the review process, we request information that identifies any resources that may hold traditional religious or cultural significance to the Chickasaw Nation that could be affected by the proposed work, and, if applicable, assist in developing alternatives that would avoid, minimize, or mitigate any adverse effects.

Airbus Helicopters is proposing to construct a 2 MW fixed tilt solar ground mount system located on approximately 15 acres on the property of the Golden Triangle Regional Airport. The line layouts of this project will be within the boundaries as shown on the attached map exhibits. The purpose of this project is to provide the existing Airbus facility with reliable backup electrical generation and storage.

The project would include soil excavation for the purpose of placing conduit, poles, solar arrays, and concrete within the project area. It is the intent of Airbus Helicopters to conduct a Phase I Cultural Resource Survey within the project area.

The FAA is notifying you about the referenced project because of the possible interest of the Chickasaw Nation in Lowndes County. Should the Chickasaw Nation elect to participate in Section 106 review of the referenced project, please notify me in writing via letter or email as soon as possible at the following addresses – Eric Tomasovic, EPS, FAA ADO - Jackson, Flowood, Mississippi 39232 or [eric.tomasovic@faa.gov](mailto:eric.tomasovic@faa.gov).

We value your assistance and look forward to consulting further if there are historic properties of religious and/or cultural significance to your Tribe that may be affected by this project. To meet project timeframes, if you would like to participate or provide information regarding this project, FAA respectfully requests that you notify us within 30 days.

Should you have any questions or require additional information you may contact me at (757) 749-6989.

Sincerely,

*Eric Tomasovic*

Eric Tomasovic

Enclosures

cc: ALDOT Avionics, Taylor Janney  
Headwaters, Inc., Pamela Hall



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Airports District Office  
10 Canebrake Blvd., Suite 100  
Flowood, Mississippi 39232

January 18, 2024

Choctaw Nation of Oklahoma  
Ian Thompson, THPO  
P.O. Drawer 1210  
Durant, Oklahoma 74702

**Subject:** Finding of No Historic Properties Affected or No Adverse Effect  
Airbus Helicopters, Inc, Proposed 2 MW Fixed Tilt Solar Ground Mount System  
Golden Triangle Regional Airport – Lowndes County, Mississippi

Dear Mr. Thompson:

In keeping with a government-to-government relationship, and in compliance with the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 300101 et seq.), and its implementing regulations, 36 CFR § 800, we invite you to participate in the Section 106 process as a consulting party. As part of the review process, we request information that identifies any resources that may hold traditional religious or cultural significance to the Choctaw Nation of Oklahoma that could be affected by the proposed work, and, if applicable, assist in developing alternatives that would avoid, minimize, or mitigate any adverse effects.

Airbus Helicopters is proposing to construct a 2 MW fixed tilt solar ground mount system located on approximately 15 acres on the property of the Golden Triangle Regional Airport. The line layouts of this project will be within the boundaries as shown on the attached map exhibits. The purpose of this project is to provide the existing Airbus facility with reliable backup electrical generation and storage.

The project would include soil excavation for the purpose of placing conduit, poles, solar arrays, and concrete within the project area. It is the intent of Airbus Helicopters to conduct a Phase I Cultural Resource Survey within the project area.

The FAA is notifying you about the referenced project because of the possible interest of the Choctaw Nation of Oklahoma in Lowndes County. Should the Choctaw Nation of Oklahoma elect to participate in Section 106 review of the referenced project, please notify me in writing via letter or email as soon as possible at the following addresses – Eric Tomasovic, EPS, FAA ADO - Jackson, Flowood, Mississippi 39232 or [eric.tomasovic@faa.gov](mailto:eric.tomasovic@faa.gov).

We value your assistance and look forward to consulting further if there are historic properties of religious and/or cultural significance to your Tribe that may be affected by this project. To meet project timeframes, if you would like to participate or provide information regarding this project, FAA respectfully requests that you notify us within 30 days.

Should you have any questions or require additional information you may contact me at (757) 749-6989.

Sincerely,

*Eric Tomasovic*

Eric Tomasovic

Enclosures

cc: ALDOT Avionics, Taylor Janney  
Headwaters, Inc., Pamela Hall



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Airports District Office  
10 Canebrake Blvd., Suite 100  
Flowood, Mississippi 39232

January 18, 2024

Coushatta Tribe of Louisiana  
Kristian Poncho, THPO  
P.O. Box 10  
Elton, Louisiana 70532

**Subject: Finding of No Historic Properties Affected or No Adverse Effect  
Airbus Helicopters, Inc, Proposed 2 MW Fixed Tilt Solar Ground Mount System  
Golden Triangle Regional Airport – Lowndes County, Mississippi**

Dear Mr. Poncho:

In keeping with a government-to-government relationship, and in compliance with the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 300101 et seq.), and its implementing regulations, 36 CFR § 800, we invite you to participate in the Section 106 process as a consulting party. As part of the review process, we request information that identifies any resources that may hold traditional religious or cultural significance to the Coushatta Tribe of Louisiana that could be affected by the proposed work, and, if applicable, assist in developing alternatives that would avoid, minimize, or mitigate any adverse effects.

Airbus Helicopters is proposing to construct a 2 MW fixed tilt solar ground mount system located on approximately 15 acres on the property of the Golden Triangle Regional Airport. The line layouts of this project will be within the boundaries as shown on the attached map exhibits. The purpose of this project is to provide the existing Airbus facility with reliable backup electrical generation and storage.

The project would include soil excavation for the purpose of placing conduit, poles, solar arrays, and concrete within the project area. It is the intent of Airbus Helicopters to conduct a Phase I Cultural Resource Survey within the project area.

The FAA is notifying you about the referenced project because of the possible interest of the Coushatta Tribe of Louisiana in Lowndes County. Should the Coushatta Tribe of Louisiana elect to participate in Section 106 review of the referenced project, please notify me in writing via letter or email as soon as possible at the following addresses – Eric Tomasovic, EPS, FAA ADO - Jackson, Flowood, Mississippi 39232 or [eric.tomasovic@faa.gov](mailto:eric.tomasovic@faa.gov).

We value your assistance and look forward to consulting further if there are historic properties of religious and/or cultural significance to your Tribe that may be affected by this project. To meet project timeframes, if you would like to participate or provide information regarding this project, FAA respectfully requests that you notify us within 30 days.



Should you have any questions or require additional information you may contact me at (757) 749-6989.

Sincerely,

*Eric Tomasovic*

Eric Tomasovic

Enclosures

cc: ALDOT Avionics, Taylor Janney  
Headwaters, Inc., Pamela Hall



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Airports District Office  
10 Canebrake Blvd., Suite 100  
Flowood, Mississippi 39232

January 18, 2024

Eastern Band of Cherokee Indians  
Russell Townsend, Tribal Historic Preservation Specialist  
Qualla Boundary P.O. Box 455  
Cherokee, North Carolina 28719

**Subject:** Finding of No Historic Properties Affected or No Adverse Effect  
Airbus Helicopters, Inc, Proposed 2 MW Fixed Tilt Solar Ground Mount System  
Golden Triangle Regional Airport – Lowndes County, Mississippi

Dear Mr. Townsend:

In keeping with a government-to-government relationship, and in compliance with the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 300101 et seq.), and its implementing regulations, 36 CFR § 800, we invite you to participate in the Section 106 process as a consulting party. As part of the review process, we request information that identifies any resources that may hold traditional religious or cultural significance to the Eastern Band of Cherokee Indians that could be affected by the proposed work, and, if applicable, assist in developing alternatives that would avoid, minimize, or mitigate any adverse effects.

Airbus Helicopters is proposing to construct a 2 MW fixed tilt solar ground mount system located on approximately 15 acres on the property of the Golden Triangle Regional Airport. The line layouts of this project will be within the boundaries as shown on the attached map exhibits. The purpose of this project is to provide the existing Airbus facility with reliable backup electrical generation and storage.

The project would include soil excavation for the purpose of placing conduit, poles, solar arrays, and concrete within the project area. It is the intent of Airbus Helicopters to conduct a Phase I Cultural Resource Survey within the project area.

The FAA is notifying you about the referenced project because of the possible interest of the Eastern Band of Cherokee Indians in Lowndes County. Should the Eastern Band of Cherokee Indians elect to participate in Section 106 review of the referenced project, please notify me in writing via letter or email as soon as possible at the following addresses – Eric Tomasovic, EPS, FAA ADO - Jackson, Flowood, Mississippi 39232 or [eric.tomasovic@faa.gov](mailto:eric.tomasovic@faa.gov).

We value your assistance and look forward to consulting further if there are historic properties of religious and/or cultural significance to your Tribe that may be affected by this project. To

meet project timeframes, if you would like to participate or provide information regarding this project, FAA respectfully requests that you notify us within 30 days.

Should you have any questions or require additional information you may contact me at (757) 749-6989.

Sincerely,

*Eric Tomasovic*

Eric Tomasovic

Enclosures

cc: ALDOT Avionics, Taylor Janney  
Headwaters, Inc., Pamela Hall



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Airports District Office  
10 Canebrake Blvd., Suite 100  
Flowood, Mississippi 39232

January 18, 2024

Mississippi Band of Choctaw Indians  
Cyrus Ben, Chief  
101 Industrial Road  
Choctaw, Mississippi 39350

**Subject:** Finding of No Historic Properties Affected or No Adverse Effect  
Airbus Helicopters, Inc, Proposed 2 MW Fixed Tilt Solar Ground Mount System  
Golden Triangle Regional Airport – Lowndes County, Mississippi

Dear Chief Ben:

In keeping with a government-to-government relationship, and in compliance with the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 300101 et seq.), and its implementing regulations, 36 CFR § 800, we invite you to participate in the Section 106 process as a consulting party. As part of the review process, we request information that identifies any resources that may hold traditional religious or cultural significance to the Mississippi Band of Choctaw Indians that could be affected by the proposed work, and, if applicable, assist in developing alternatives that would avoid, minimize, or mitigate any adverse effects.

Airbus Helicopters is proposing to construct a 2 MW fixed tilt solar ground mount system located on approximately 15 acres on the property of the Golden Triangle Regional Airport. The line layouts of this project will be within the boundaries as shown on the attached map exhibits. The purpose of this project is to provide the existing Airbus facility with reliable backup electrical generation and storage.

The project would include soil excavation for the purpose of placing conduit, poles, solar arrays, and concrete within the project area. It is the intent of Airbus Helicopters to conduct a Phase I Cultural Resource Survey within the project area.

The FAA is notifying you about the referenced project because of the possible interest of the Mississippi Band of Choctaw Indians in Lowndes County. Should the Mississippi Band of Choctaw Indians elect to participate in Section 106 review of the referenced project, please notify me in writing via letter or email as soon as possible at the following addresses – Eric Tomasovic, EPS, FAA ADO - Jackson, Flowood, Mississippi 39232 or [eric.tomasovic@faa.gov](mailto:eric.tomasovic@faa.gov).

We value your assistance and look forward to consulting further if there are historic properties of religious and/or cultural significance to your Tribe that may be affected by this project. To

meet project timeframes, if you would like to participate or provide information regarding this project, FAA respectfully requests that you notify us within 30 days.

Should you have any questions or require additional information you may contact me at (757) 749-6989.

Sincerely,

*Eric Tomasovic*

Eric Tomasovic

Enclosures

cc: ALDOT Avionics, Taylor Janney  
Headwaters, Inc., Pamela Hall



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Airports District Office  
10 Canebrake Blvd., Suite 100  
Flowood, Mississippi 39232

January 18, 2024

Muscogee (Creek) Nation  
Turner Hunt, THPO  
P.O. Box 580  
Okmulgee, Oklahoma 74447

**Subject:** Finding of No Historic Properties Affected or No Adverse Effect  
Airbus Helicopters, Inc, Proposed 2 MW Fixed Tilt Solar Ground Mount System  
Golden Triangle Regional Airport – Lowndes County, Mississippi

Dear Mr. Hunt:

In keeping with a government-to-government relationship, and in compliance with the National Historic Preservation Act of 1966, as amended (54 U.S.C. § 300101 et seq.), and its implementing regulations, 36 CFR § 800, we invite you to participate in the Section 106 process as a consulting party. As part of the review process, we request information that identifies any resources that may hold traditional religious or cultural significance to the Muscogee (Creek) Nation that could be affected by the proposed work, and, if applicable, assist in developing alternatives that would avoid, minimize, or mitigate any adverse effects.

Airbus Helicopters is proposing to construct a 2 MW fixed tilt solar ground mount system located on approximately 15 acres on the property of the Golden Triangle Regional Airport. The line layouts of this project will be within the boundaries as shown on the attached map exhibits. The purpose of this project is to provide the existing Airbus facility with reliable backup electrical generation and storage.

The project would include soil excavation for the purpose of placing conduit, poles, solar arrays, and concrete within the project area. It is the intent of Airbus Helicopters to conduct a Phase I Cultural Resource Survey within the project area.

The FAA is notifying you about the referenced project because of the possible interest of the Muscogee (Creek) Nation in Lowndes County. Should the Muscogee (Creek) Nation elect to participate in Section 106 review of the referenced project, please notify me in writing via letter or email as soon as possible at the following addresses – Eric Tomasovic, EPS, FAA ADO - Jackson, Flowood, Mississippi 39232 or [eric.tomasovic@faa.gov](mailto:eric.tomasovic@faa.gov).

We value your assistance and look forward to consulting further if there are historic properties of religious and/or cultural significance to your Tribe that may be affected by this project. To meet project timeframes, if you would like to participate or provide information regarding this project, FAA respectfully requests that you notify us within 30 days.

Should you have any questions or require additional information you may contact me at (757) 749-6989.

Sincerely,

*Eric Tomasovic*

Eric Tomasovic

Enclosures

cc: ALDOT Avionics, Taylor Janney  
Headwaters, Inc., Pamela Hall

**From:** [Section106](#)  
**To:** [Molly Nanney](#)  
**Subject:** Re: Federal Aviation Administration, Section 106 Consultation, Lowndes County, MS - Airbus Helicopters, Inc. Solar Project - Muscogee (Creek) Nation  
**Date:** Monday, February 19, 2024 2:19:53 PM  
**Attachments:** [image001.png](#)

---

Good afternoon Ms. Nanney,

Thank you for sending the correspondence regarding the proposed construction of a 2 MW fixed tilt solar ground mount system located at the Golden Triangle Regional Airport in Lowndes County, Mississippi. Lowndes County is located within the Muscogee (Creek) Nation's historic area of interest and is of importance to us. After review, the correspondence states Airbus Helicopters will conduct a Phase I Cultural Resources Survey within the project area. Could you please send the report once complete? The Muscogee Nation will send in our comments/response upon receipt of the CRS report. Please feel free to contact me if there are any questions or concerns.

Thank you,

**Robin Soweka, Jr.**

Cultural Resource Specialist, Historic and Cultural Preservation Department  
The Muscogee Nation  
P.O. Box 580 | Okmulgee, OK 74447  
T 918.732.7726 | F 918.758.0649  
[rosoweka@MuscogeeNation.com](mailto:rosoweka@MuscogeeNation.com)  
[MuscogeeNation.com](http://MuscogeeNation.com)



---

**From:** Molly Nanney <[molly@headwaters-inc.com](mailto:molly@headwaters-inc.com)>  
**Sent:** Thursday, January 18, 2024 4:52 PM  
**To:** Section106 <[section106@muscogeenation.com](mailto:section106@muscogeenation.com)>  
**Cc:** Eric.Tomasovic@faa.gov <[Eric.Tomasovic@faa.gov](mailto:Eric.Tomasovic@faa.gov)>; janneyt@dot.state.al.us <[janneyt@dot.state.al.us](mailto:janneyt@dot.state.al.us)>; Pam Hall <[pamhall@headwaters-inc.com](mailto:pamhall@headwaters-inc.com)>  
**Subject:** Federal Aviation Administration, Section 106 Consultation, Lowndes County, MS - Airbus Helicopters, Inc. Solar Project - Muscogee (Creek) Nation

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon,

I am sending this email to initiate Section 106 consultation with your tribe for a Federal Aviation Administration funded project located in Lowndes County, MS. You will find attached a formal letter and supplemental documents to help with your review of the project.

If you have any questions or need any further information, please let me know.



Thank you for your time,



**Molly Nanney**

*Environmental Specialist*

662-401-9208 (cell)

PO Box 3658 | Tupelo, MS 38803

[www.headwaters-inc.com](http://www.headwaters-inc.com)

DISCLAIMER: This communication, along with any documents, files or attachments, is intended only for the use of the addressee and may contain legally privileged and confidential information. If you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of any information contained in or attached to this communication is strictly prohibited. If you have received this message in error, please notify the sender immediately and destroy the original communication and its attachments without reading, printing or saving in any manner. Please consider the environment before printing this e-mail.

**From:** [Tomasovic, Eric \(FAA\)](#)  
**To:** [Vanessa Bryant](#)  
**Cc:** [HPO](#); [Molly Nanney](#)  
**Subject:** RE: FAA Solar Project Lowndes CO MS kb(LJ).pdf  
**Date:** Wednesday, February 21, 2024 3:12:31 PM  
**Attachments:** [Airbus Solar Project report 2-21-24.pdf](#)

---

Vanessa,

Thank you for responding with your concerns about the Solar Array installation at the Golden Triangle Regional Airport in Lowndes County, Mississippi. They had just completed the Cultural Resources Survey and I have attached the report to this email. If you have further questions or concerns, please reach out to me.

Gratefully,

Eric Tomasovic  
Environmental Protection Specialist  
FAA – JAN ADO  
10 Canebrake Blvd., Suite 100  
Flowood, MS 39232  
Office: (769) 268-6965  
Cell: (757) 749-6989

---

**From:** Vanessa Bryant <Vanessa.Bryant@chickasaw.net>  
**Sent:** Friday, February 16, 2024 4:07 PM  
**To:** Tomasovic, Eric (FAA) <Eric.Tomasovic@faa.gov>  
**Cc:** HPO <HPO@chickasaw.net>  
**Subject:** FAA Solar Project Lowndes CO MS kb(LJ).pdf

**CAUTION:** This email originated from outside of the Federal Aviation Administration (FAA). Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Please see the attached response letter.

Sincerely,

*Vanessa Bryant*

Chickasaw Nation Division of Historic Preservation  
Administrative Assistant  
P.O. Box 1548  
Ada, OK 74821-1548  
Phone: 580-436-2603 ext. 62206  
Please direct any replies to [HPO@chickasaw.net](mailto:HPO@chickasaw.net)

IMPORTANT NOTICE: This message is intended only for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you have received this message in error, then you are hereby notified that the Chickasaw Nation does not consent to any reading, dissemination, distribution or copying of this message. If you have received this communication in error, notify the sender immediately and destroy the transmitted information.

Appendix F  
Wetlands Assessment



January 22, 2024

Cary Cannon, P.E., CSP  
Senior Manager – Environment  
Airbus Helicopters, Inc.  
2701 North Forum Drive  
Grand Prairie, TX 75052

**RE: Airbus Helicopters, Inc.  
Approximately 15.0 Acres  
Lowndes County, MS  
Wetland Assessment**

Dear Mr. Cannon:

As per your request, Headwaters, Inc. has completed a wetland assessment on a parcel of land on the above referenced property located in Lowndes County, Mississippi. Headwaters, Inc. completed the site review and assessment of the subject property on October 20, 2023.

Our assessment is based upon the property boundaries as depicted on the project site map provided to us by Airbus Helicopters, Inc. and by our field assessment of the property boundaries. The subject property is located along the west side of Airport Road in Lowndes County, Mississippi and consists of approximately 15.0 acres. More specifically, the property is situated in Sections 1 & 2, Township 18 North, Range 16 East, Lowndes County, Mississippi. The project site may also be referenced by Global Positioning System (GPS) coordinates 33.458137, -88.583925.

The initial phase of this project included the assimilation of all available information related to the subject property that would help establish a historical perspective of the property and highlight the physical attributes of the property, the primary drainage patterns, and the physical location of any suspected wetland areas present on the property. An integral component of this phase was the review of the 2021 USDA National Agricultural Imagery Program (NAIP) color photography and the USGS 1986 Bent Oak, Mississippi 7.5-Minute Topographic Quadrangle Maps. A review of the Lowndes County, Mississippi soil survey maps was also included as part of this assessment as well as the United States Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) maps, National Hydrography Dataset (NHD) maps, and the USGS LiDAR Elevation Dataset map.

Primary access to the property can be gained via Airport Road from the east. Surface water drainage on the site can be considered well drained across most of the tract with drainage being primarily to the east towards the roadside ditch of Airport Road. Stormwater then drains north towards Motley Creek.

The initial review revealed that the entire property can best be currently described as a maintained open field. The site contains no water features or woody vegetation.

Soils found on the property are Griffith silty clay, 0 to 2 percent slopes, occasionally flooded (Gr), Okolona silty clay, 0 to 1 percent slopes (OkA), and Okolona silty clay, 1 to 3 percent slopes (OkB). Each of these soils is classified as not hydric (0%) by the USDA NRCS.

Once the initial map and historical review was completed, a field assessment was conducted to verify the primary habitat features and specifically the presence of any jurisdictional waters on the subject property, if any. The field assessment revealed the entire 15.0-acre site to be upland in nature. The site consists of open field habitat that undergoes regular mowing and maintenance. Vegetative components within the uplands include Bermuda grass (*Cynodon dactylon*), bahiagrass (*Paspalum notatum*), Johnson grass (*Sorghum halepense*), curly dock (*Rumex crispus*), and dandelion (*Taraxacum officinale*). Further, no wetland hydrology indicators were observed within these areas. The soil matrix color throughout the upland habitat areas was observed as a 2/2 (very dark brown), 3/3 (dark brown), and 4/3 (brown) on the 10YR Munsell Soil Color Chart. In most cases, no soil mottling was observed.

Given the upland nature of the property and the relatively moderate topographical relief, systematic transect lines were not employed in the field delineation methodology. Rather, a mapping system was employed, whereby, the wetland habitats/boundaries and "other waters of the U.S." were mapped on a property site map utilizing the Global Positioning System (GPS) waypoints. Wetland delineation data points were established using a systematic approach based upon observations of vegetative and topographic features and transitions that were encountered in the field. These wetland delineation points are identified utilizing the GPS and their location within the property. In addition, supplemental points were established between the delineation points to provide data on soils, vegetation, and hydrology.

The following is a breakdown of the different habitat types that were found to be present on the subject property:

Non-Wetland Uplands .....	15.0 Acres
<b>Total .....</b>	<b>15.0 Acres</b>

Included as **Attachment A**, you will find copies of the USGS 1986 Bent Oak, Mississippi 7.5-Minute Topographic Quadrangle maps covering the property and 2021 NAIP Aerial Photography. In **Attachment B**, you will find the GPS/Wetland Location Maps and the Routine Wetland Determination Data Forms for the plots taken in the subject property. **Attachment C** includes the Custom Soil Resource Report of Lowndes County, Mississippi and **Attachment D** includes photo documentation of the site.

As always, we appreciate the opportunity to be of assistance to you in this matter. If you have any questions or need any additional information, please do not hesitate to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dillon Easley". The signature is fluid and cursive, with the first and last names clearly distinguishable.

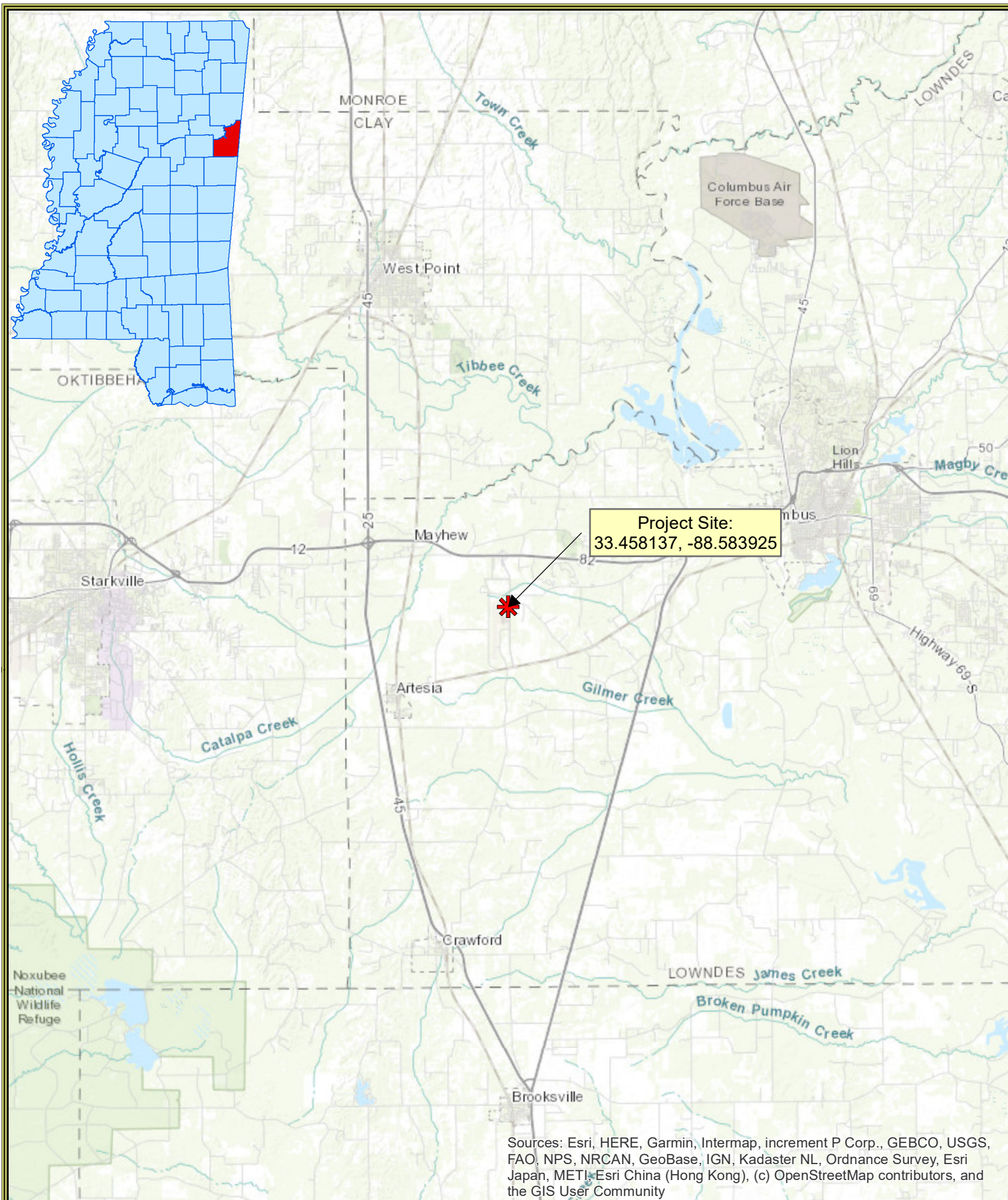
Dillon Easley  
Environmental Specialist

Attachments

# ATTACHMENT A

PROJECT MAPS

SITE MAPS



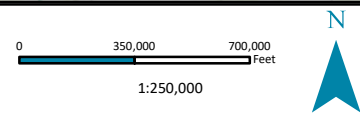
Project Site:  
33.458137, -88.583925

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

### Airbus Helicopters: Solar Farm Area Study

Sections 1 & 2, Township 18 North, Range 16 East  
Lowndes County, Mississippi

#### General Location Map



NAD 1983 StatePlane Mississippi East FIPS 2302 Feet

USGS 1986 Bent Oak (MS) Quad Basemap



Date Created: 10/16/2023

Created by: PGH



**Legend**

 Project Area (±15.00 ac)



Esri, HERE, Garmin, © OpenStreetMap contributors

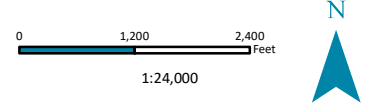


**HEADWATERS**  
WWW.HEADWATERS-INC.COM

**Airbus Helicopters: Solar Farm Area Study**

Sections 1 & 2, Township 18 North, Range 16 East  
Lowndes County, Mississippi

[Site Location Map](#)

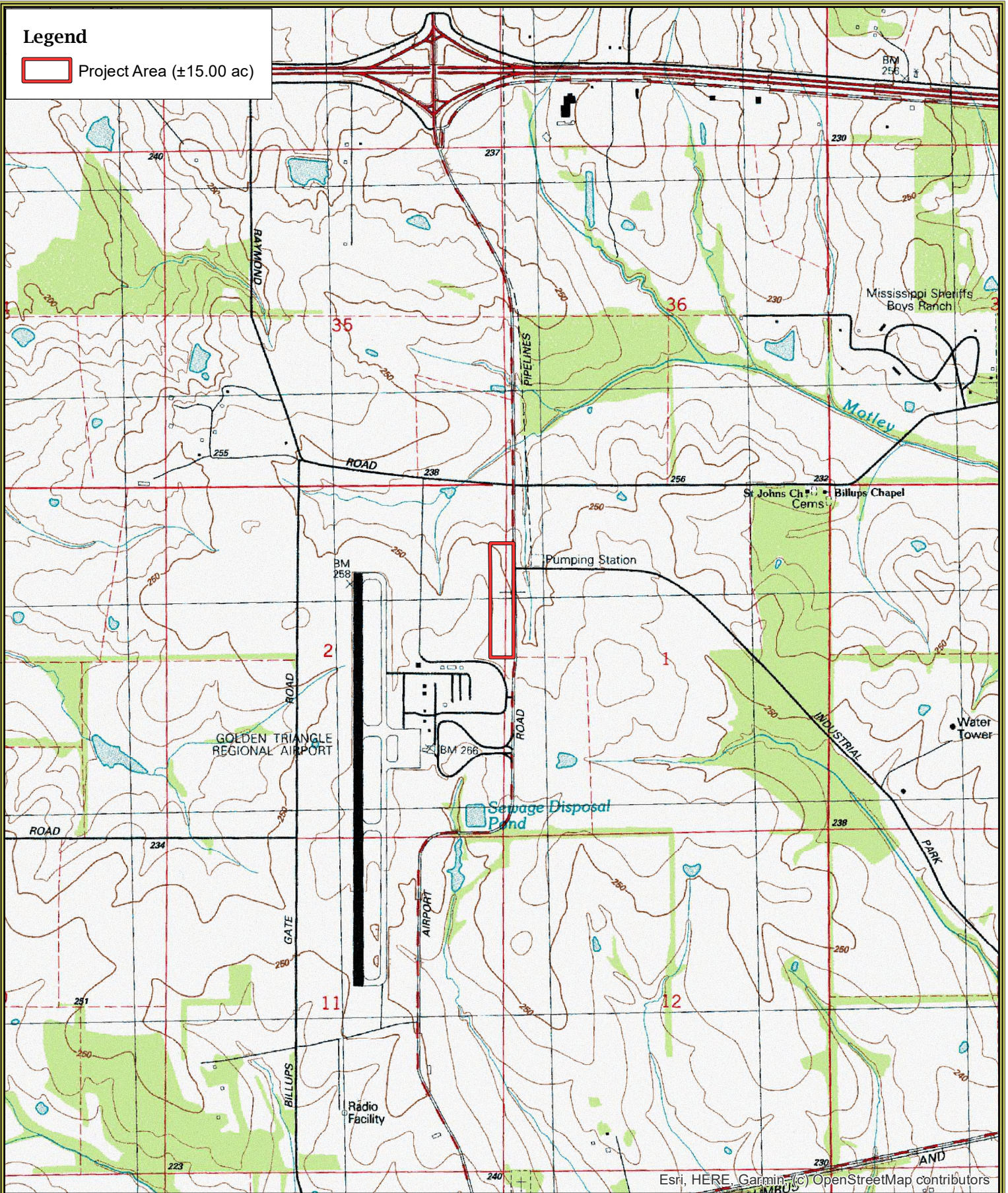


NAD 1983 StatePlane Mississippi East FIPS 2302 Feet

USDA NAIP 2021 Imagery Basemap

**Legend**

 Project Area (±15.00 ac)



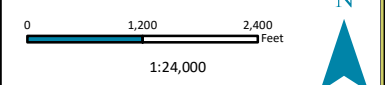
Esri, HERE, Garmin, (c) OpenStreetMap contributors



**HEADWATERS**  
WWW.HEADWATERS-INC.COM

Date Created: 10/16/2023      Created by: PGH

**Airbus Helicopters: Solar Farm Area Study**  
Sections 1 & 2, Township 18 North, Range 16 East  
Lowndes County, Mississippi  
[Site Location Map](#)



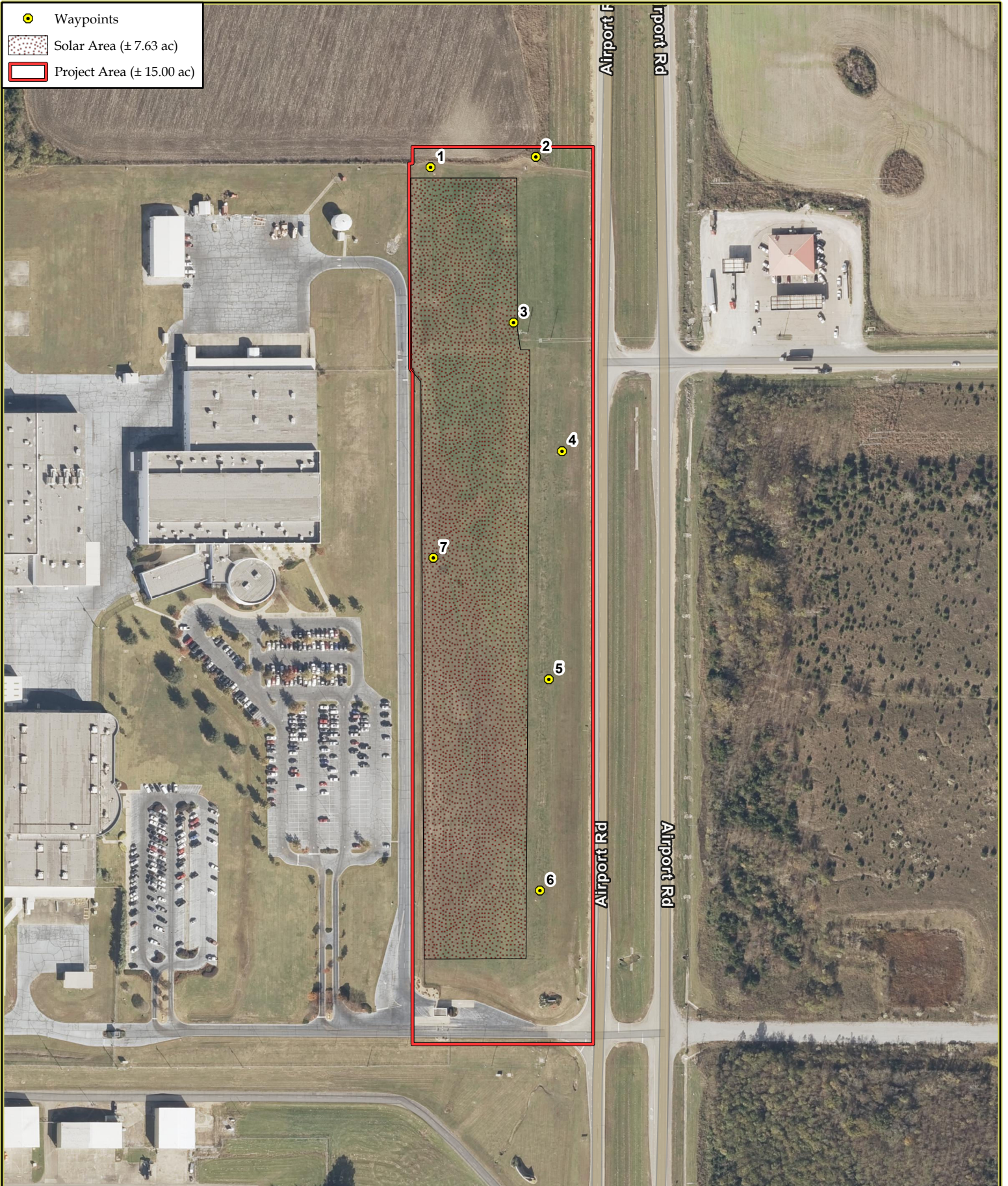
0 1,200 2,400 Feet  
1:24,000

NAD 1983 StatePlane Mississippi East FIPS 2302 Feet  
USGS 1986 Bent Oak (MS) Quad Basemap

**ATTACHMENT B**

GPS/WETLAND LOCATION MAPS

WETLAND DETERMINATION DATA FORMS



- Waypoints
- Solar Area (± 7.63 ac)
- Project Area (± 15.00 ac)



Date Created: 1/22/2024      Created by: MKN

**Airbus Helicopters  
Solar Farm Area Study**  
Sections 1 & 2, Township 18 North, Range 16 East  
Lowndes County, Mississippi  
[GPS/Wetland Location Map](#)




0      135      270  
Feet

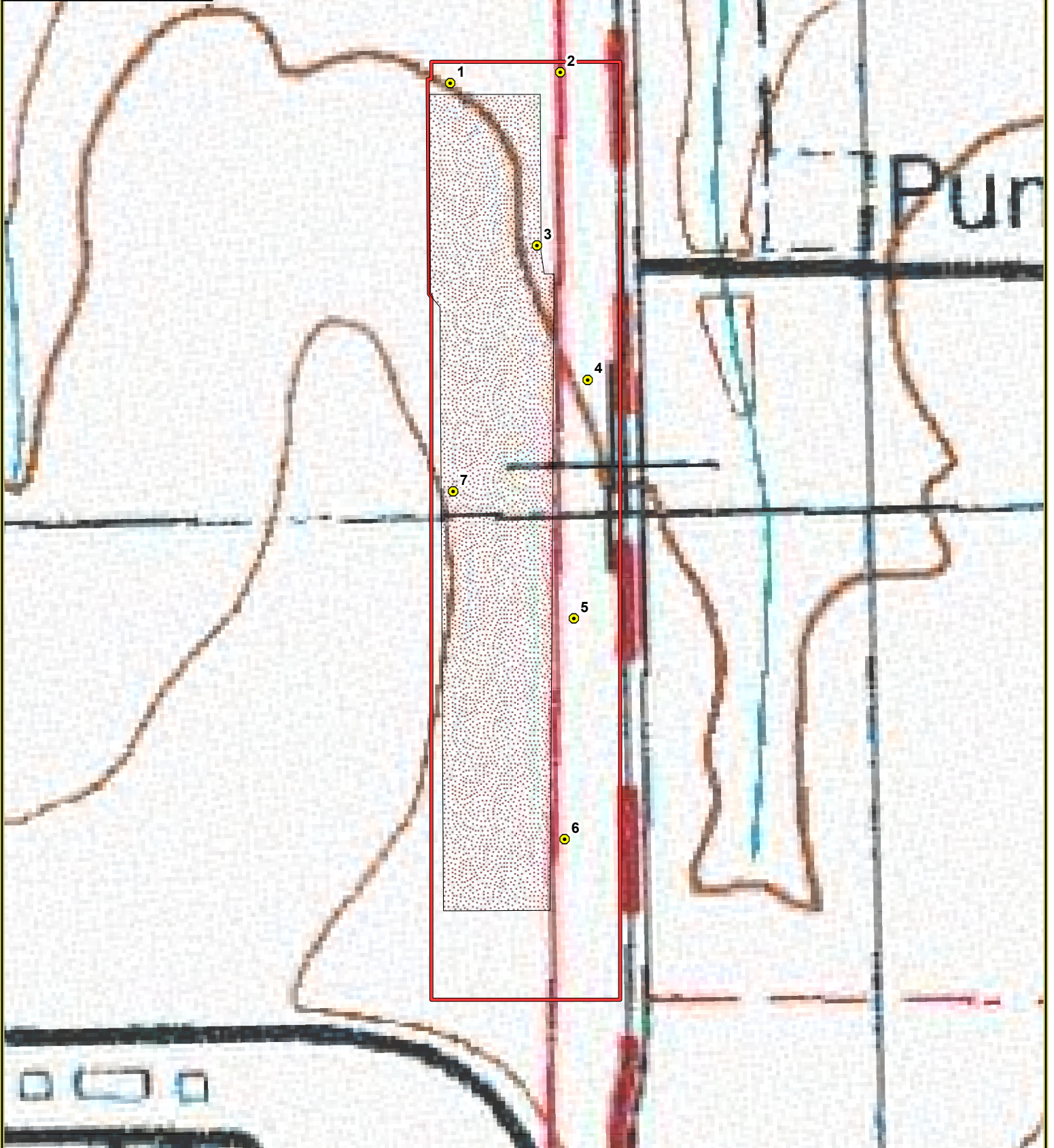
1:3,000

N

NAD 1983 2011 StatePlane Mississippi East FIPS 2301 Ft US


USDA NAIP 2021 Imagery Basemap

-  Waypoints
-  Solar Area (± 7.63 ac)
-  Project Area (± 15.00 ac)



**Airbus Helicopters**  
**Solar Farm Area Study**  
 Sections 1 & 2, Township 18 North, Range 16 East  
 Lowndes County, Mississippi  
[GPS/Wetland Location Map](#)

0 135 270 Feet  
 1:3,000

N  


NAD 1983 2011 StatePlane Mississippi East FIPS 2301 Ft US

USGS 1986 Bent Oak (MS) Quad Basemap

Project/Site: Airbus Helicopters: Solar Farm Area Study City/County: Lowndes County Sampling Date: 10/20/23  
 Applicant/Owner: Airbus Helicopters, Inc State: MS Sampling Point: WP1  
 Investigator(s): Headwaters, Inc. Section, Township, Range: S2, T18N, R16E  
 Landform (hillside, terrace, etc.): Ridges Local relief (concave, convex, none): None Slope (%): 1-3  
 Subregion (LRR or MLRA): LRR P, MLRA 134 Lat: 33.460484 Long: -88.584429 Datum: WGS84  
 Soil Map Unit Name: OkB—Okolona silty clay, 1 to 3 percent slopes NWI classification: UPL

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No      (If no, explain in Remarks.)  
 Are Vegetation Y, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No       
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <u>    </u> No <u>X</u> Hydric Soil Present? Yes <u>    </u> No <u>X</u> Wetland Hydrology Present? Yes <u>    </u> No <u>X</u>	<b>Is the Sampled Area within a Wetland?</b> Yes <u>    </u> No <u>X</u>
Remarks: Upland sample point	

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Marl Deposits (B15) <b>(LRR U)</b> <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum Moss (D8) <b>(LRR T, U)</b>
--	--

<b>Field Observations:</b> Surface Water Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Water Table Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Saturation Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes <u>    </u> No <u>X</u>
--	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

**VEGETATION (Four Strata) – Use scientific names of plants.**

Sampling Point: WP1

<u>Tree Stratum</u> (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>5</u> x 3 = <u>15</u> FACU species <u>95</u> x 4 = <u>380</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>100</u> (A) <u>395</u> (B) Prevalence Index = B/A = <u>3.95</u>
50% of total cover: _____		20% of total cover: _____		
<u>Sapling/Shrub Stratum</u> (Plot size: <u>30 ft.</u> )				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: _____		20% of total cover: _____		
<u>Herb Stratum</u> (Plot size: <u>30 ft.</u> )				
1. <u>Cynodon dactylon</u>	45	Yes	FACU	
2. <u>Paspalum notatum</u>	30	Yes	FACU	
3. <u>Sorghum halepense</u>	20	Yes	FACU	
4. <u>Rumex crispus</u>	5	No	FAC	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: <u>50</u>		20% of total cover: <u>20</u>		
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft.</u> )				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: _____		20% of total cover: _____		

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Four Vegetation Strata:**  
**Tree** – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
**Sapling/Shrub** – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
**Woody Vine** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes \_\_\_\_\_      No X

Remarks: (If observed, list morphological adaptations below.)  
 Located in a mowed open field.

**SOIL**

Sampling Point: WP1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0-12	10YR 4/3	100					Loamy/Clayey	

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Organic Bodies (A6) **(LRR P, T, U)**
- 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- Muck Presence (A8) **(LRR U)**
- 1 cm Muck (A9) **(LRR P, T)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) **(MLRA 150A)**
- Sandy Mucky Mineral (S1) **(LRR O, S)**
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) **(LRR P, S, T, U)**
- Polyvalue Below Surface (S8) **(LRR S, T, U)**
- Thin Dark Surface (S9) **(LRR S, T, U)**
- Barrier Islands 1 cm Muck (S12) **(MLRA 153B, 153D)**
- Loamy Mucky Mineral (F1) **(LRR O)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Marl (F10) **(LRR U)**
- Depleted Ochric (F11) **(MLRA 151)**
- Iron-Manganese Masses (F12) **(LRR O, P, T)**
- Umbric Surface (F13) **(LRR P, T, U)**
- Delta Ochric (F17) **(MLRA 151)**
- Reduced Vertic (F18) **(MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- Anomalous Bright Floodplain Soils (F20) **(MLRA 149A, 153C, 153D)**
- Very Shallow Dark Surface (F22) **(MLRA 138, 152A in FL, 154)**

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- 1 cm Muck (A9) **(LRR O)**
- 2 cm Muck (A10) **(LRR S)**
- Coast Prairie Redox (A16) **(outside MLRA 150A)**
- Reduced Vertic (F18) **(outside MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(LRR P, T)**
- Anomalous Bright Floodplain Soils (F20) **(MLRA 153B)**
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22) **(outside MLRA 138, 152A in FL, 154)**
- Barrier Islands Low Chroma Matrix (TS7) **(MLRA 153B, 153D)**
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
 Depth (inches): \_\_\_\_\_

Hydric Soil Present?    Yes \_\_\_\_\_ No X

Remarks:



Project/Site: Airbus Helicopters: Solar Farm Area Study City/County: Lowndes County Sampling Date: 10/20/23  
 Applicant/Owner: Airbus Helicopters, Inc State: MS Sampling Point: WP2  
 Investigator(s): Headwaters, Inc. Section, Township, Range: S2, T18N, R16E  
 Landform (hillside, terrace, etc.): Ridges Local relief (concave, convex, none): None Slope (%): 1-3  
 Subregion (LRR or MLRA): LRR P, MLRA 134 Lat: 33.460541 Long: -88.583736 Datum: WGS84  
 Soil Map Unit Name: OkB—Okolona silty clay, 1 to 3 percent slopes NWI classification: UPL

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No      (If no, explain in Remarks.)  
 Are Vegetation Y, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No       
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <u>    </u> No <u>X</u> Hydric Soil Present? Yes <u>    </u> No <u>X</u> Wetland Hydrology Present? Yes <u>    </u> No <u>X</u>	<b>Is the Sampled Area within a Wetland?</b> Yes <u>    </u> No <u>X</u>
Remarks: Upland sample point	

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Marl Deposits (B15) <b>(LRR U)</b> <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum Moss (D8) <b>(LRR T, U)</b>
--	--

<b>Field Observations:</b> Surface Water Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Water Table Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Saturation Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes <u>    </u> No <u>X</u>
--	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

**VEGETATION (Four Strata) – Use scientific names of plants.**

Sampling Point: WP2

Tree Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Sapling/Shrub Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Herb Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Cynodon dactylon</u>	<u>55</u>	<u>Yes</u>	<u>FACU</u>
2. <u>Paspalum notatum</u>	<u>30</u>	<u>Yes</u>	<u>FACU</u>
3. <u>Sorghum halepense</u>	<u>15</u>	<u>No</u>	<u>FACU</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
	<u>100</u> = Total Cover		
	50% of total cover: <u>50</u>	20% of total cover: <u>20</u>	

Woody Vine Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>100</u>	x 4 = <u>400</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>100</u> (A)	<u>400</u> (B)
Prevalence Index = B/A = <u>4.00</u>	

**Hydrophytic Vegetation Indicators:**

     1 - Rapid Test for Hydrophytic Vegetation

     2 - Dominance Test is >50%

     3 - Prevalence Index is ≤3.0<sup>1</sup>

     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Four Vegetation Strata:**

**Tree** – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/Shrub** – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody Vine** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**

Yes	<u>    </u>	No	<u>X</u>
-----	-------------	----	----------

Remarks: (If observed, list morphological adaptations below.)  
 Located in a mowed open field.

**SOIL**

Sampling Point: WP2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth (inches)	Matrix		Redox Features			Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>		
0-12	10YR 4/3	100					Loamy/Clayey

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Organic Bodies (A6) **(LRR P, T, U)**
- 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- Muck Presence (A8) **(LRR U)**
- 1 cm Muck (A9) **(LRR P, T)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) **(MLRA 150A)**
- Sandy Mucky Mineral (S1) **(LRR O, S)**
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) **(LRR P, S, T, U)**
- Polyvalue Below Surface (S8) **(LRR S, T, U)**
- Thin Dark Surface (S9) **(LRR S, T, U)**
- Barrier Islands 1 cm Muck (S12) **(MLRA 153B, 153D)**
- Loamy Mucky Mineral (F1) **(LRR O)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Marl (F10) **(LRR U)**
- Depleted Ochric (F11) **(MLRA 151)**
- Iron-Manganese Masses (F12) **(LRR O, P, T)**
- Umbric Surface (F13) **(LRR P, T, U)**
- Delta Ochric (F17) **(MLRA 151)**
- Reduced Vertic (F18) **(MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- Anomalous Bright Floodplain Soils (F20) **(MLRA 149A, 153C, 153D)**
- Very Shallow Dark Surface (F22) **(MLRA 138, 152A in FL, 154)**

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- 1 cm Muck (A9) **(LRR O)**
- 2 cm Muck (A10) **(LRR S)**
- Coast Prairie Redox (A16) **(outside MLRA 150A)**
- Reduced Vertic (F18) **(outside MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(LRR P, T)**
- Anomalous Bright Floodplain Soils (F20) **(MLRA 153B)**
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22) **(outside MLRA 138, 152A in FL, 154)**
- Barrier Islands Low Chroma Matrix (TS7) **(MLRA 153B, 153D)**
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
 Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes \_\_\_\_\_ No X

Remarks:

Project/Site: Airbus Helicopters: Solar Farm Area Study City/County: Lowndes County Sampling Date: 10/20/23  
 Applicant/Owner: Airbus Helicopters, Inc State: MS Sampling Point: WP3  
 Investigator(s): Headwaters, Inc. Section, Township, Range: S2, T18N, R16E  
 Landform (hillside, terrace, etc.): Ridges Local relief (concave, convex, none): None Slope (%): 1-3  
 Subregion (LRR or MLRA): LRR P, MLRA 134 Lat: 33.459628 Long: -88.583886 Datum: WGS84  
 Soil Map Unit Name: OkB—Okolona silty clay, 1 to 3 percent slopes NWI classification: UPL

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No      (If no, explain in Remarks.)  
 Are Vegetation Y, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No       
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <u>    </u> No <u>X</u> Hydric Soil Present? Yes <u>    </u> No <u>X</u> Wetland Hydrology Present? Yes <u>    </u> No <u>X</u>	<b>Is the Sampled Area within a Wetland?</b> Yes <u>    </u> No <u>X</u>
Remarks: Upland sample point	

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Marl Deposits (B15) <b>(LRR U)</b> <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum Moss (D8) <b>(LRR T, U)</b>
--	--

<b>Field Observations:</b> Surface Water Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Water Table Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Saturation Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes <u>    </u> No <u>X</u>
--	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

**VEGETATION (Four Strata) – Use scientific names of plants.**

Sampling Point: WP3

Tree Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Sapling/Shrub Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Herb Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Cynodon dactylon</u>	<u>55</u>	<u>Yes</u>	<u>FACU</u>
2. <u>Paspalum notatum</u>	<u>30</u>	<u>Yes</u>	<u>FACU</u>
3. <u>Sorghum halepense</u>	<u>15</u>	<u>No</u>	<u>FACU</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
	<u>100</u> = Total Cover		
	50% of total cover: <u>50</u>	20% of total cover: <u>20</u>	

Woody Vine Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>100</u>	x 4 = <u>400</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>100</u> (A)	<u>400</u> (B)
Prevalence Index = B/A = <u>4.00</u>	

**Hydrophytic Vegetation Indicators:**

   1 - Rapid Test for Hydrophytic Vegetation

   2 - Dominance Test is >50%

   3 - Prevalence Index is ≤3.0<sup>1</sup>

   Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Four Vegetation Strata:**

**Tree** – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/Shrub** – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody Vine** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**

Yes	<u>  </u>	No	<u>X</u>
-----	-----------	----	----------

Remarks: (If observed, list morphological adaptations below.)  
 Located in a mowed open field.

**SOIL**

Sampling Point: WP3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0-12	10YR 4/3	100					Loamy/Clayey	

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Organic Bodies (A6) **(LRR P, T, U)**
- 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- Muck Presence (A8) **(LRR U)**
- 1 cm Muck (A9) **(LRR P, T)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) **(MLRA 150A)**
- Sandy Mucky Mineral (S1) **(LRR O, S)**
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) **(LRR P, S, T, U)**
- Polyvalue Below Surface (S8)  
**(LRR S, T, U)**

- Thin Dark Surface (S9) **(LRR S, T, U)**
- Barrier Islands 1 cm Muck (S12)  
**(MLRA 153B, 153D)**
- Loamy Mucky Mineral (F1) **(LRR O)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Marl (F10) **(LRR U)**
- Depleted Ochric (F11) **(MLRA 151)**
- Iron-Manganese Masses (F12) **(LRR O, P, T)**
- Umbric Surface (F13) **(LRR P, T, U)**
- Delta Ochric (F17) **(MLRA 151)**
- Reduced Vertic (F18) **(MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- Anomalous Bright Floodplain Soils (F20)  
**(MLRA 149A, 153C, 153D)**
- Very Shallow Dark Surface (F22)  
**(MLRA 138, 152A in FL, 154)**

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- 1 cm Muck (A9) **(LRR O)**
- 2 cm Muck (A10) **(LRR S)**
- Coast Prairie Redox (A16)  
**(outside MLRA 150A)**
- Reduced Vertic (F18)  
**(outside MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(LRR P, T)**
- Anomalous Bright Floodplain Soils (F20)  
**(MLRA 153B)**
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)  
**(outside MLRA 138, 152A in FL, 154)**
- Barrier Islands Low Chroma Matrix (TS7)  
**(MLRA 153B, 153D)**
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
Depth (inches): \_\_\_\_\_

Hydric Soil Present?    Yes \_\_\_\_\_ No X

Remarks:

Project/Site: Airbus Helicopters: Solar Farm Area Study City/County: Lowndes County Sampling Date: 10/20/23  
 Applicant/Owner: Airbus Helicopters, Inc State: MS Sampling Point: WP4  
 Investigator(s): Headwaters, Inc. Section, Township, Range: S1, T18N, R16E  
 Landform (hillside, terrace, etc.): Ridges Local relief (concave, convex, none): None Slope (%): 1-3  
 Subregion (LRR or MLRA): LRR P, MLRA 134 Lat: 33.458922 Long: -88.583569 Datum: WGS84  
 Soil Map Unit Name: OkB—Okolona silty clay, 1 to 3 percent slopes NWI classification: UPL

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No      (If no, explain in Remarks.)  
 Are Vegetation Y, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No       
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <u>    </u> No <u>X</u> Hydric Soil Present? Yes <u>    </u> No <u>X</u> Wetland Hydrology Present? Yes <u>    </u> No <u>X</u>	<b>Is the Sampled Area within a Wetland?</b> Yes <u>    </u> No <u>X</u>
Remarks: Upland sample point	

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Marl Deposits (B15) <b>(LRR U)</b> <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum Moss (D8) <b>(LRR T, U)</b>
--	--

<b>Field Observations:</b> Surface Water Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Water Table Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Saturation Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes <u>    </u> No <u>X</u>
--	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

**VEGETATION (Four Strata) – Use scientific names of plants.**

Sampling Point: WP4

Tree Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Sapling/Shrub Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Herb Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Cynodon dactylon</u>	<u>60</u>	<u>Yes</u>	<u>FACU</u>
2. <u>Paspalum notatum</u>	<u>30</u>	<u>Yes</u>	<u>FACU</u>
3. <u>Sorghum halepense</u>	<u>10</u>	<u>No</u>	<u>FACU</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
	<u>100</u> = Total Cover		
	50% of total cover: <u>50</u>	20% of total cover: <u>20</u>	

Woody Vine Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>100</u>	x 4 = <u>400</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>100</u> (A)	<u>400</u> (B)
Prevalence Index = B/A = <u>4.00</u>	

**Hydrophytic Vegetation Indicators:**

   1 - Rapid Test for Hydrophytic Vegetation

   2 - Dominance Test is >50%

   3 - Prevalence Index is ≤3.0<sup>1</sup>

   Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Four Vegetation Strata:**

**Tree** – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/Shrub** – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody Vine** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**

Yes	<u>  </u>	No	<u>X</u>
-----	-----------	----	----------

Remarks: (If observed, list morphological adaptations below.)  
 Located in a mowed open field.



**SOIL**

Sampling Point: WP4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0-12	10YR 3/3	100					Loamy/Clayey	

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Organic Bodies (A6) **(LRR P, T, U)**
- 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- Muck Presence (A8) **(LRR U)**
- 1 cm Muck (A9) **(LRR P, T)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) **(MLRA 150A)**
- Sandy Mucky Mineral (S1) **(LRR O, S)**
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) **(LRR P, S, T, U)**
- Polyvalue Below Surface (S8) **(LRR S, T, U)**
- Thin Dark Surface (S9) **(LRR S, T, U)**
- Barrier Islands 1 cm Muck (S12) **(MLRA 153B, 153D)**
- Loamy Mucky Mineral (F1) **(LRR O)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Marl (F10) **(LRR U)**
- Depleted Ochric (F11) **(MLRA 151)**
- Iron-Manganese Masses (F12) **(LRR O, P, T)**
- Umbric Surface (F13) **(LRR P, T, U)**
- Delta Ochric (F17) **(MLRA 151)**
- Reduced Vertic (F18) **(MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- Anomalous Bright Floodplain Soils (F20) **(MLRA 149A, 153C, 153D)**
- Very Shallow Dark Surface (F22) **(MLRA 138, 152A in FL, 154)**

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- 1 cm Muck (A9) **(LRR O)**
- 2 cm Muck (A10) **(LRR S)**
- Coast Prairie Redox (A16) **(outside MLRA 150A)**
- Reduced Vertic (F18) **(outside MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(LRR P, T)**
- Anomalous Bright Floodplain Soils (F20) **(MLRA 153B)**
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22) **(outside MLRA 138, 152A in FL, 154)**
- Barrier Islands Low Chroma Matrix (TS7) **(MLRA 153B, 153D)**
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
 Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes \_\_\_\_\_ No X

Remarks:

Project/Site: Airbus Helicopters: Solar Farm Area Study City/County: Lowndes County Sampling Date: 10/20/23  
 Applicant/Owner: Airbus Helicopters, Inc State: MS Sampling Point: WP5  
 Investigator(s): Headwaters, Inc. Section, Township, Range: S1, T18N, R16E  
 Landform (hillside, terrace, etc.): Ridges Local relief (concave, convex, none): None Slope (%): 1-3  
 Subregion (LRR or MLRA): LRR P, MLRA 134 Lat: 33.457665 Long: -88.58366 Datum: WGS84  
 Soil Map Unit Name: OkB—Okolona silty clay, 1 to 3 percent slopes NWI classification: UPL

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No      (If no, explain in Remarks.)  
 Are Vegetation Y, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No       
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <u>    </u> No <u>X</u> Hydric Soil Present? Yes <u>    </u> No <u>X</u> Wetland Hydrology Present? Yes <u>    </u> No <u>X</u>	<b>Is the Sampled Area within a Wetland?</b> Yes <u>    </u> No <u>X</u>
Remarks: Upland sample point	

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Marl Deposits (B15) <b>(LRR U)</b> <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum Moss (D8) <b>(LRR T, U)</b>

<b>Field Observations:</b> Surface Water Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Water Table Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Saturation Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes <u>    </u> No <u>X</u>
--	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

**VEGETATION (Four Strata) – Use scientific names of plants.**

Sampling Point: WP5

<u>Tree Stratum</u> (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.0%</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: _____ OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>0</u> x 3 = <u>0</u> FACU species <u>100</u> x 4 = <u>400</u> UPL species <u>0</u> x 5 = <u>0</u> Column Totals: <u>100</u> (A) <u>400</u> (B) Prevalence Index = B/A = <u>4.00</u>
50% of total cover: _____		20% of total cover: _____		
<u>Sapling/Shrub Stratum</u> (Plot size: <u>30 ft.</u> )				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: _____		20% of total cover: _____		
<u>Herb Stratum</u> (Plot size: <u>30 ft.</u> )				
1. <u>Cynodon dactylon</u>	60	Yes	FACU	
2. <u>Paspalum notatum</u>	30	Yes	FACU	
3. <u>Sorghum halepense</u>	10	No	FACU	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: <u>50</u>		20% of total cover: <u>20</u>		
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft.</u> )				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: _____		20% of total cover: _____		

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Four Vegetation Strata:**  
**Tree** – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.  
**Sapling/Shrub** – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.  
**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  
**Woody Vine** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**      Yes \_\_\_\_\_      No X

Remarks: (If observed, list morphological adaptations below.)  
 Located in a mowed open field.

**SOIL**

Sampling Point: WP5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0-12	10YR 3/3	100					Loamy/Clayey	

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Organic Bodies (A6) **(LRR P, T, U)**
- 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- Muck Presence (A8) **(LRR U)**
- 1 cm Muck (A9) **(LRR P, T)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) **(MLRA 150A)**
- Sandy Mucky Mineral (S1) **(LRR O, S)**
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) **(LRR P, S, T, U)**
- Polyvalue Below Surface (S8)  
**(LRR S, T, U)**

- Thin Dark Surface (S9) **(LRR S, T, U)**
- Barrier Islands 1 cm Muck (S12)  
**(MLRA 153B, 153D)**
- Loamy Mucky Mineral (F1) **(LRR O)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Marl (F10) **(LRR U)**
- Depleted Ochric (F11) **(MLRA 151)**
- Iron-Manganese Masses (F12) **(LRR O, P, T)**
- Umbric Surface (F13) **(LRR P, T, U)**
- Delta Ochric (F17) **(MLRA 151)**
- Reduced Vertic (F18) **(MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- Anomalous Bright Floodplain Soils (F20)  
**(MLRA 149A, 153C, 153D)**
- Very Shallow Dark Surface (F22)  
**(MLRA 138, 152A in FL, 154)**

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- 1 cm Muck (A9) **(LRR O)**
- 2 cm Muck (A10) **(LRR S)**
- Coast Prairie Redox (A16)  
**(outside MLRA 150A)**
- Reduced Vertic (F18)  
**(outside MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(LRR P, T)**
- Anomalous Bright Floodplain Soils (F20)  
**(MLRA 153B)**
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)  
**(outside MLRA 138, 152A in FL, 154)**
- Barrier Islands Low Chroma Matrix (TS7)  
**(MLRA 153B, 153D)**
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes \_\_\_\_\_ No X

Remarks:

Project/Site: Airbus Helicopters: Solar Farm Area Study City/County: Lowndes County Sampling Date: 10/20/23  
 Applicant/Owner: Airbus Helicopters, Inc State: MS Sampling Point: WP6  
 Investigator(s): Headwaters, Inc. Section, Township, Range: S1, T18N, R16E  
 Landform (hillside, terrace, etc.): Flood-plain steps Local relief (concave, convex, none): None Slope (%): 0-2  
 Subregion (LRR or MLRA): LRR P, MLRA 134 Lat: 33.4565 Long: -88.583721 Datum: WGS84  
 Soil Map Unit Name: Gr—Griffith silty clay, 0 to 2 percent slopes, occasionally flooded NWI classification: UPL

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No      (If no, explain in Remarks.)  
 Are Vegetation Y, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No       
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <u>    </u> No <u>X</u> Hydric Soil Present? Yes <u>    </u> No <u>X</u> Wetland Hydrology Present? Yes <u>    </u> No <u>X</u>	<b>Is the Sampled Area within a Wetland?</b> Yes <u>    </u> No <u>X</u>
Remarks: Upland sample point	

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Marl Deposits (B15) <b>(LRR U)</b> <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum Moss (D8) <b>(LRR T, U)</b>
--	--

<b>Field Observations:</b> Surface Water Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Water Table Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Saturation Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes <u>    </u> No <u>X</u>
--	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

**VEGETATION (Four Strata) – Use scientific names of plants.**

Sampling Point: WP6

Tree Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Sapling/Shrub Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Herb Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Cynodon dactylon</u>	<u>65</u>	<u>Yes</u>	<u>FACU</u>
2. <u>Paspalum notatum</u>	<u>35</u>	<u>Yes</u>	<u>FACU</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
	<u>100</u> = Total Cover		
	50% of total cover: <u>50</u>	20% of total cover: <u>20</u>	

Woody Vine Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>100</u>	x 4 = <u>400</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>100</u> (A)	<u>400</u> (B)
Prevalence Index = B/A = <u>4.00</u>	

**Hydrophytic Vegetation Indicators:**

   1 - Rapid Test for Hydrophytic Vegetation

   2 - Dominance Test is >50%

   3 - Prevalence Index is ≤3.0<sup>1</sup>

   Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Four Vegetation Strata:**

**Tree** – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/Shrub** – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody Vine** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**

Yes	<u>  </u>	No	<u>X</u>
-----	-----------	----	----------

Remarks: (If observed, list morphological adaptations below.)  
 Located in a mowed open field.

**SOIL**

Sampling Point: WP6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0-12	10YR 3/3	100					Loamy/Clayey	

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Organic Bodies (A6) **(LRR P, T, U)**
- 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- Muck Presence (A8) **(LRR U)**
- 1 cm Muck (A9) **(LRR P, T)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) **(MLRA 150A)**
- Sandy Mucky Mineral (S1) **(LRR O, S)**
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) **(LRR P, S, T, U)**
- Polyvalue Below Surface (S8)  
**(LRR S, T, U)**

- Thin Dark Surface (S9) **(LRR S, T, U)**
- Barrier Islands 1 cm Muck (S12)  
**(MLRA 153B, 153D)**
- Loamy Mucky Mineral (F1) **(LRR O)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Marl (F10) **(LRR U)**
- Depleted Ochric (F11) **(MLRA 151)**
- Iron-Manganese Masses (F12) **(LRR O, P, T)**
- Umbric Surface (F13) **(LRR P, T, U)**
- Delta Ochric (F17) **(MLRA 151)**
- Reduced Vertic (F18) **(MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- Anomalous Bright Floodplain Soils (F20)  
**(MLRA 149A, 153C, 153D)**
- Very Shallow Dark Surface (F22)  
**(MLRA 138, 152A in FL, 154)**

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- 1 cm Muck (A9) **(LRR O)**
- 2 cm Muck (A10) **(LRR S)**
- Coast Prairie Redox (A16)  
**(outside MLRA 150A)**
- Reduced Vertic (F18)  
**(outside MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(LRR P, T)**
- Anomalous Bright Floodplain Soils (F20)  
**(MLRA 153B)**
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22)  
**(outside MLRA 138, 152A in FL, 154)**
- Barrier Islands Low Chroma Matrix (TS7)  
**(MLRA 153B, 153D)**
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
Depth (inches): \_\_\_\_\_

Hydric Soil Present?    Yes \_\_\_\_\_ No X

Remarks:

Project/Site: Airbus Helicopters: Solar Farm Area Study City/County: Lowndes County Sampling Date: 10/20/23  
 Applicant/Owner: Airbus Helicopters, Inc State: MS Sampling Point: WP7  
 Investigator(s): Headwaters, Inc. Section, Township, Range: S1, T18N, R16E  
 Landform (hillside, terrace, etc.): Ridges Local relief (concave, convex, none): None Slope (%): 1-3  
 Subregion (LRR or MLRA): LRR P, MLRA 134 Lat: 33.458334 Long: -88.584416 Datum: WGS84  
 Soil Map Unit Name: OkB—Okolona silty clay, 1 to 3 percent slopes NWI classification: UPL

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No      (If no, explain in Remarks.)  
 Are Vegetation Y, Soil N, or Hydrology N significantly disturbed? Are "Normal Circumstances" present? Yes X No       
 Are Vegetation N, Soil N, or Hydrology N naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes <u>    </u> No <u>X</u> Hydric Soil Present? Yes <u>    </u> No <u>X</u> Wetland Hydrology Present? Yes <u>    </u> No <u>X</u>	<b>Is the Sampled Area within a Wetland?</b> Yes <u>    </u> No <u>X</u>
Remarks: Upland sample point	

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Marl Deposits (B15) <b>(LRR U)</b> <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5) <input type="checkbox"/> Sphagnum Moss (D8) <b>(LRR T, U)</b>
--	--

<b>Field Observations:</b> Surface Water Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Water Table Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> Saturation Present? Yes <u>    </u> No <u>X</u> Depth (inches): <u>    </u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes <u>    </u> No <u>X</u>
--	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:



**VEGETATION (Four Strata) – Use scientific names of plants.**

Sampling Point: WP7

Tree Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Sapling/Shrub Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Herb Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Cynodon dactylon</u>	<u>55</u>	<u>Yes</u>	<u>FACU</u>
2. <u>Paspalum notatum</u>	<u>35</u>	<u>Yes</u>	<u>FACU</u>
3. <u>Taraxacum officinale</u>	<u>10</u>	<u>No</u>	<u>FACU</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
	<u>100</u> = Total Cover		
	50% of total cover: <u>50</u>	20% of total cover: <u>20</u>	

Woody Vine Stratum (Plot size: <u>30 ft.</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
	_____ = Total Cover		
	50% of total cover: _____	20% of total cover: _____	

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>100</u>	x 4 = <u>400</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>100</u> (A)	<u>400</u> (B)
Prevalence Index = B/A = <u>4.00</u>	

**Hydrophytic Vegetation Indicators:**

   1 - Rapid Test for Hydrophytic Vegetation

   2 - Dominance Test is >50%

   3 - Prevalence Index is ≤3.0<sup>1</sup>

   Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definitions of Four Vegetation Strata:**

**Tree** – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

**Sapling/Shrub** – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall.

**Herb** – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

**Woody Vine** – All woody vines greater than 3.28 ft in height.

**Hydrophytic Vegetation Present?**

Yes	<u>  </u>	No	<u>X</u>
-----	-----------	----	----------

Remarks: (If observed, list morphological adaptations below.)  
 Located in a mowed open field.

**SOIL**

Sampling Point: WP7

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0-12	10YR 2/2	100					Loamy/Clayey	

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

<sup>2</sup>Location: PL=Pore Lining, M=Matrix.

**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Organic Bodies (A6) **(LRR P, T, U)**
- 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- Muck Presence (A8) **(LRR U)**
- 1 cm Muck (A9) **(LRR P, T)**
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) **(MLRA 150A)**
- Sandy Mucky Mineral (S1) **(LRR O, S)**
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) **(LRR P, S, T, U)**
- Polyvalue Below Surface (S8) **(LRR S, T, U)**
- Thin Dark Surface (S9) **(LRR S, T, U)**
- Barrier Islands 1 cm Muck (S12) **(MLRA 153B, 153D)**
- Loamy Mucky Mineral (F1) **(LRR O)**
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Marl (F10) **(LRR U)**
- Depleted Ochric (F11) **(MLRA 151)**
- Iron-Manganese Masses (F12) **(LRR O, P, T)**
- Umbric Surface (F13) **(LRR P, T, U)**
- Delta Ochric (F17) **(MLRA 151)**
- Reduced Vertic (F18) **(MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- Anomalous Bright Floodplain Soils (F20) **(MLRA 149A, 153C, 153D)**
- Very Shallow Dark Surface (F22) **(MLRA 138, 152A in FL, 154)**

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- 1 cm Muck (A9) **(LRR O)**
- 2 cm Muck (A10) **(LRR S)**
- Coast Prairie Redox (A16) **(outside MLRA 150A)**
- Reduced Vertic (F18) **(outside MLRA 150A, 150B)**
- Piedmont Floodplain Soils (F19) **(LRR P, T)**
- Anomalous Bright Floodplain Soils (F20) **(MLRA 153B)**
- Red Parent Material (F21)
- Very Shallow Dark Surface (F22) **(outside MLRA 138, 152A in FL, 154)**
- Barrier Islands Low Chroma Matrix (TS7) **(MLRA 153B, 153D)**
- Other (Explain in Remarks)

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if observed):**

Type: \_\_\_\_\_  
 Depth (inches): \_\_\_\_\_

Hydric Soil Present? Yes \_\_\_\_\_ No X

Remarks:

## ATTACHMENT C

CUSTOM SOIL RESOURCE REPORT FOR LOWNDES COUNTY, MS

# Custom Soil Resource Report for **Lowndes County, Mississippi**

**Airbus**



# Preface

---

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

# Contents

---

<b>Preface</b> .....	2
<b>How Soil Surveys Are Made</b> .....	5
<b>Soil Map</b> .....	8
Soil Map.....	9
Legend.....	10
Map Unit Legend.....	11
Map Unit Descriptions.....	11
Lowndes County, Mississippi.....	13
Gr—Griffith silty clay, 0 to 2 percent slopes, occasionally flooded.....	13
OkA—Okolona silty clay, 0 to 1 percent slopes.....	14
OkB—Okolona silty clay, 1 to 3 percent slopes.....	16
<b>Soil Information for All Uses</b> .....	19
Suitabilities and Limitations for Use.....	19
Land Classifications.....	19
Hydric Rating by Map Unit (Airbus).....	19
<b>References</b> .....	24

# How Soil Surveys Are Made

---

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil



## Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

## Custom Soil Resource Report

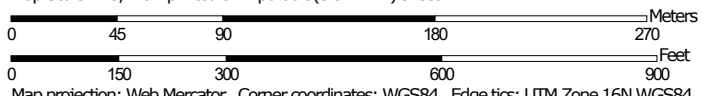
identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

# Soil Map

---


The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

# Custom Soil Resource Report Soil Map




### MAP LEGEND

**Area of Interest (AOI)**

 Area of Interest (AOI)

**Soils**







 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

**Special Point Features**






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

**Water Features**

 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lowndes County, Mississippi  
 Survey Area Data: Version 18, Sep 9, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 2, 2021—Apr 4, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Gr	Griffith silty clay, 0 to 2 percent slopes, occasionally flooded	1.6	10.8%
OkA	Okolona silty clay, 0 to 1 percent slopes	0.3	2.1%
OkB	Okolona silty clay, 1 to 3 percent slopes	13.1	87.1%
<b>Totals for Area of Interest</b>		<b>15.0</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or

## Custom Soil Resource Report

landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

## Lowndes County, Mississippi

### Gr—Griffith silty clay, 0 to 2 percent slopes, occasionally flooded

#### Map Unit Setting

*National map unit symbol:* 301kj

*Elevation:* 130 to 400 feet

*Mean annual precipitation:* 53 to 67 inches

*Mean annual air temperature:* 61 to 70 degrees F

*Frost-free period:* 230 to 275 days

*Farmland classification:* Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season

#### Map Unit Composition

*Griffith and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Griffith

##### Setting

*Landform:* Flood-plain steps

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Linear

*Across-slope shape:* Convex

*Parent material:* Clayey alluvium derived from chalk

##### Typical profile

*Ap - 0 to 10 inches:* silty clay

*A - 10 to 22 inches:* silty clay

*Bw - 22 to 66 inches:* silty clay

##### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Moderately well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.01 in/hr)

*Depth to water table:* About 20 to 30 inches

*Frequency of flooding:* Occasional

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 5 percent

*Maximum salinity:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 2.0

*Available water supply, 0 to 60 inches:* High (about 9.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2w

*Land capability classification (nonirrigated):* 2w

*Hydrologic Soil Group:* D

*Ecological site:* F135AY230MS - Deep Somewhat Poorly Drained/Moderately Well Drained Clay Alkaline Floodplains

*Hydric soil rating:* No



**Minor Components**

**Catalpa**

*Percent of map unit:* 5 percent  
*Landform:* Flood-plain steps  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Hydric soil rating:* No

**Okolona**

*Percent of map unit:* 5 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Hydric soil rating:* No

**Leeper**

*Percent of map unit:* 5 percent  
*Landform:* Flood-plain steps  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Hydric soil rating:* No

**OkA—Okolona silty clay, 0 to 1 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 2w9vz  
*Elevation:* 200 to 400 feet  
*Mean annual precipitation:* 53 to 58 inches  
*Mean annual air temperature:* 61 to 68 degrees F  
*Frost-free period:* 225 to 270 days  
*Farmland classification:* All areas are prime farmland

**Map Unit Composition**

*Okolona and similar soils:* 90 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Okolona**

**Setting**

*Landform:* Ridges  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave

## Custom Soil Resource Report

*Parent material:* Calcareous clayey marine deposits derived from chalk

### Typical profile

*Ap - 0 to 7 inches:* silty clay  
*A - 7 to 29 inches:* silty clay  
*Bw - 29 to 41 inches:* silty clay  
*C - 41 to 80 inches:* clay

### Properties and qualities

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low (0.01 to 0.06 in/hr)  
*Depth to water table:* About 48 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 7 percent  
*Maximum salinity:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)  
*Available water supply, 0 to 60 inches:* High (about 11.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* 2s  
*Land capability classification (nonirrigated):* 2s  
*Hydrologic Soil Group:* D  
*Ecological site:* R135AY130MS - Deep Moderately Well to Well Drained Clay  
Alkaline Broad flats  
*Hydric soil rating:* No

### Minor Components

#### Vaiden

*Percent of map unit:* 3 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Ecological site:* F135AY160MS - Deep Poorly Drained / Somewhat Poorly Drained  
Clay Acid Broad flats  
*Hydric soil rating:* No

#### Brooksville

*Percent of map unit:* 3 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* R135AY140MS - Deep Somewhat Poorly Drained Clay Alkaline  
Broad flats  
*Hydric soil rating:* No

#### Binnsville

*Percent of map unit:* 2 percent  
*Landform:* Ridges

## Custom Soil Resource Report

*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* R135AY110MS - Shallow to Moderately Deep Well Drained Silty Clay/Clay Alkaline Broadflats  
*Hydric soil rating:* No

### **Leeper**

*Percent of map unit:* 2 percent  
*Landform:* Flood-plain steps  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* F135AY230MS - Deep Somewhat Poorly Drained/Moderately Well Drained Clay Alkaline Floodplains  
*Hydric soil rating:* No

## **OkB—Okolona silty clay, 1 to 3 percent slopes**

### **Map Unit Setting**

*National map unit symbol:* 2w9w2  
*Elevation:* 200 to 400 feet  
*Mean annual precipitation:* 53 to 58 inches  
*Mean annual air temperature:* 61 to 68 degrees F  
*Frost-free period:* 225 to 270 days  
*Farmland classification:* All areas are prime farmland

### **Map Unit Composition**

*Okolona and similar soils:* 90 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Okolona**

#### **Setting**

*Landform:* Ridges  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Parent material:* Calcareous clayey marine deposits derived from chalk

#### **Typical profile**

*Ap - 0 to 7 inches:* silty clay  
*A - 7 to 29 inches:* silty clay  
*Bw - 29 to 41 inches:* silty clay  
*C - 41 to 80 inches:* clay

#### **Properties and qualities**

*Slope:* 1 to 3 percent

## Custom Soil Resource Report

*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low (0.01 to 0.06 in/hr)  
*Depth to water table:* About 48 to 72 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 7 percent  
*Maximum salinity:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)  
*Available water supply, 0 to 60 inches:* Moderate (about 7.0 inches)

### Interpretive groups

*Land capability classification (irrigated):* 2e  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* D  
*Ecological site:* R135AY130MS - Deep Moderately Well to Well Drained Clay Alkaline Broad flats  
*Hydric soil rating:* No

### Minor Components

#### Brooksville

*Percent of map unit:* 3 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* R135AY140MS - Deep Somewhat Poorly Drained Clay Alkaline Broad flats  
*Hydric soil rating:* No

#### Vaiden

*Percent of map unit:* 3 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Concave  
*Ecological site:* F135AY160MS - Deep Poorly Drained / Somewhat Poorly Drained Clay Acid Broad flats  
*Hydric soil rating:* No

#### Binnsville

*Percent of map unit:* 2 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Ecological site:* R135AY110MS - Shallow to Moderately Deep Well Drained Silty Clay/Clay Alkaline Broadflats  
*Hydric soil rating:* No

#### Leeper

*Percent of map unit:* 2 percent

## Custom Soil Resource Report

*Landform:* Flood-plain steps

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* F135AY230MS - Deep Somewhat Poorly Drained/Moderately Well  
Drained Clay Alkaline Floodplains

*Hydric soil rating:* No

# **Soil Information for All Uses**

---

## **Suitabilities and Limitations for Use**

The Suitabilities and Limitations for Use section includes various soil interpretations displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each interpretation.

## **Land Classifications**

Land Classifications are specified land use and management groupings that are assigned to soil areas because combinations of soil have similar behavior for specified practices. Most are based on soil properties and other factors that directly influence the specific use of the soil. Example classifications include ecological site classification, farmland classification, irrigated and nonirrigated land capability classification, and hydric rating.

## **Hydric Rating by Map Unit (Airbus)**

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

## Custom Soil Resource Report

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

### References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

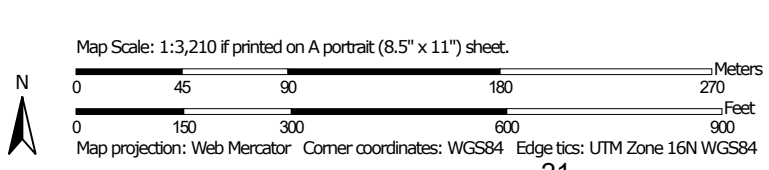
Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

# Custom Soil Resource Report

## Map—Hydric Rating by Map Unit (Airbus)




Soil Map may not be valid at this scale.











### MAP LEGEND

**Area of Interest (AOI)**







 Area of Interest (AOI)

**Soils**







**Soil Rating Polygons**

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available


**Soil Rating Lines**

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available






**Soil Rating Points**

-  Hydric (100%)
-  Hydric (66 to 99%)
-  Hydric (33 to 65%)
-  Hydric (1 to 32%)
-  Not Hydric (0%)
-  Not rated or not available


**Water Features**

 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lowndes County, Mississippi  
 Survey Area Data: Version 18, Sep 9, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 2, 2021—Apr 4, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

**Table—Hydric Rating by Map Unit (Airbus)**

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Gr	Griffith silty clay, 0 to 2 percent slopes, occasionally flooded	0	1.6	10.8%
OkA	Okolona silty clay, 0 to 1 percent slopes	0	0.3	2.1%
OkB	Okolona silty clay, 1 to 3 percent slopes	0	13.1	87.1%
<b>Totals for Area of Interest</b>			<b>15.0</b>	<b>100.0%</b>

**Rating Options—Hydric Rating by Map Unit (Airbus)**

*Aggregation Method: Percent Present*

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Percent Present" returns the cumulative percent composition of all components of a map unit for which a certain condition is true. For example, attribute "Hydric Rating by Map Unit" returns the cumulative percent composition of all components of a map unit where the corresponding hydric rating is "Yes". Conditions may be simple or complex. At runtime, the user may be able to specify all, some or none of the conditions in question.

*Component Percent Cutoff: None Specified*

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

*Tie-break Rule: Lower*

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

# References

---

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_054262](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262)
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053577](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577)
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053580](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580)
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2\\_053374](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374)
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

## Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2\\_054242](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242)

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053624](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624)

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. [http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/nrcs142p2\\_052290.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf)

ATTACHMENT D

PHOTOGRAPHIC DOCUMENTATION

# Airbus Helicopters: Solar Farm Area Study

## Lowndes County, MS

**WAYPOINT #1**

**PHOTOGRAPH #1**



**Looking at 10YR 4/3 upland soil.**

**WAYPOINT #1**

**PHOTOGRAPH #2**



**Looking southwest at upland habitat.**

# Airbus Helicopters: Solar Farm Area Study

## Lowndes County, MS

**WAYPOINT #1**

**PHOTOGRAPH #3**



**Looking east at upland habitat.**

**WAYPOINT #1**

**PHOTOGRAPH #4**



**Looking north at upland habitat.**

# Airbus Helicopters: Solar Farm Area Study

## Lowndes County, MS

**WAYPOINT #1**

**PHOTOGRAPH #5**



**Looking west at upland habitat.**

**WAYPOINT #2**

**PHOTOGRAPH #6**



**Looking southeast at upland habitat.**



# Airbus Helicopters: Solar Farm Area Study

## Lowndes County, MS

**WAYPOINT #2**

**PHOTOGRAPH #7**



**Looking east at upland habitat.**

**WAYPOINT #3**

**PHOTOGRAPH #8**



**Looking southeast at upland habitat.**

# Airbus Helicopters: Solar Farm Area Study

## Lowndes County, MS

**WAYPOINT #4**

**PHOTOGRAPH #9**



**Looking south at upland habitat.**

**WAYPOINT #4**

**PHOTOGRAPH #10**



**Looking west at upland habitat.**

# Airbus Helicopters: Solar Farm Area Study

## Lowndes County, MS

**WAYPOINT #4**

**PHOTOGRAPH #11**



**Looking at 10YR 3/3 upland soil.**

**WAYPOINT #5**

**PHOTOGRAPH #12**



**Looking south at upland habitat.**

# Airbus Helicopters: Solar Farm Area Study

## Lowndes County, MS

**WAYPOINT #6**

**PHOTOGRAPH #13**



**Looking southeast at upland habitat.**

**WAYPOINT #6**

**PHOTOGRAPH #14**



**Looking south at upland habitat.**

# Airbus Helicopters: Solar Farm Area Study

## Lowndes County, MS

**WAYPOINT #6**

**PHOTOGRAPH #15**



**Looking west at upland habitat.**

**WAYPOINT #6**

**PHOTOGRAPH #16**



**Looking north at upland habitat.**

# Airbus Helicopters: Solar Farm Area Study

## Lowndes County, MS

**WAYPOINT #7**

**PHOTOGRAPH #17**



**Looking southeast at upland habitat.**

**WAYPOINT #7**

**PHOTOGRAPH #18**



**Looking north at upland habitat.**

# Airbus Helicopters: Solar Farm Area Study

## Lowndes County, MS

**WAYPOINT #7**

**PHOTOGRAPH #19**











**Looking at 10YR 2/2 upland soil.**

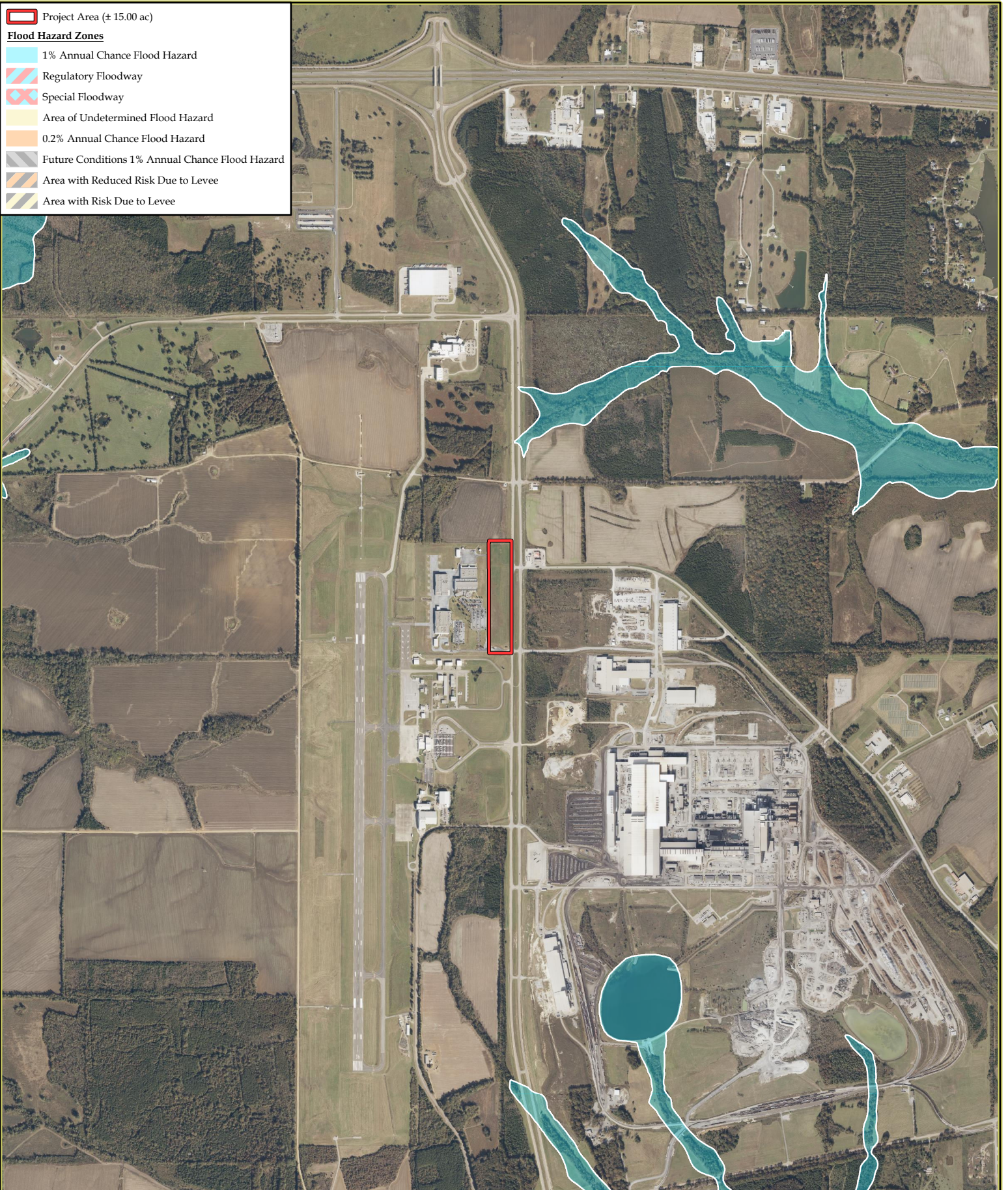
Appendix G  
Floodplain



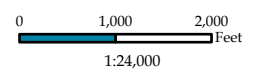
Project Area (± 15.00 ac)

**Flood Hazard Zones**

-  1% Annual Chance Flood Hazard
-  Regulatory Floodway
-  Special Floodway
-  Area of Undetermined Flood Hazard
-  0.2% Annual Chance Flood Hazard
-  Future Conditions 1% Annual Chance Flood Hazard
-  Area with Reduced Risk Due to Levee
-  Area with Risk Due to Levee



**Airbus Helicopters  
Solar Farm Area Study**  
Sections 1 & 2, Township 18 North, Range 16 East  
Lowndes County, Mississippi  
**FEMA Flood Hazard Zones**



NAD 1983 2011 StatePlane Mississippi East FIPS 2301 Ft US

USDA NAIP 2021 Imagery Basemap

Date Created: 3/13/2024

Created by: MKN

Appendix H  
Glint and Glare Study



August 16, 2023

TO:  
 Airbus Helicopters  
 Attn: Adam Creamer  
 1782 Airport Road  
 Columbus, MS 39701  
 adam.creamer@airbus.com

CC:  
 JBHM Architects  
 Attn: Bill Whittle  
 104 3rd Street South  
 Columbus, MS 39701  
 bwhittle@jbhm.com

RE: (See attached Table 1 for referenced case(s))  
 \*\*FINAL DETERMINATION\*\*

Table 1 - Letter Referenced Case(s)

ASN	Prior ASN	Location	Latitude (NAD83)	Longitude (NAD83)	AGL (Feet)	AMSL (Feet)
2023-ASO-8188-NRA		COLUMBUS √W POINT√ STARKVILLE,MS	33-27-22.11N	88-35-02.28W	23	278
2023-ASO-8189-NRA		COLUMBUS √W POINT√ STARKVILLE,MS	33-27-21.95N	88-35-02.05W	17	272
2023-ASO-8190-NRA		COLUMBUS √W POINT√ STARKVILLE,MS	33-27-21.88N	88-35-01.94W	8	263

Description: Helicopter Static Display

We do not object to the construction described in this proposal provided:

You comply with the requirements set forth in FAA Advisory Circular 150/5370-2, "Operational Safety on Airports During Construction."

For current Advisory Circulars go to [www.oa.faa.gov](http://www.oa.faa.gov)

Further, you should contact the Airport Traffic Control Tower (ATCT) Watch Supervisor at prior to the crane(s) being raised for purposes of establishing a procedure to have the crane(s) immediately lowered upon request of the ATCT. When the crane(s) is no longer needed and has been permanently lowered, you should contact the ATCT at the telephone numbers given above and log back into your registered E-file account to provide the Flight Data Center (FDC) with notification that the NOTAM can be cancelled.

A separate notice to the FAA is required for any construction equipment, such as temporary cranes, whose working limits would exceed the height and lateral dimensions of your proposal.

This determination does not constitute FAA approval or disapproval of the physical development involved in the proposal. It is a determination with respect to the safe and efficient use of navigable airspace by aircraft and with respect to the safety of persons and property on the ground.

In making this determination, the FAA has considered matters such as the effects the proposal would have on existing or planned traffic patterns of neighboring airports, the effects it would have on the existing airspace structure and projected programs of the FAA, the effects it would have on the safety of persons and property on the ground, and the effects that existing or proposed manmade objects (on file with the FAA), and known natural objects within the affected area would have on the airport proposal.

When your Airport Layout Plan is updated, please include this new development. In the meantime, we will show this feature on your current ALP approved on 02/16/2023.

This determination expires on February 16, 2025 unless:

(a) extended, revised or terminated by the issuing office.

(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for the completion of construction, or the date the FCC denies the application.

NOTE: Request for extension of the effective period of this determination must be obtained at least 15 days prior to expiration date specified in this letter.

If you have any questions concerning this determination contact Willie D. Davidson (601) 664-9891  
Willie.D.Davidson@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2023-ASO-8188-NRA.

Willie D. Davidson

ADO

**Signature Control No: 595242920-596590340**

June 28, 2023

Attn: Mr. Daniel Waldrep & Mr. Adam Creamer

Airbus Helicopters Inc

## **Airbus Helicopters Inc – Summary Analysis of Glint and Glare Study**

As a courtesy to Airbus Helicopters Inc, ProStar Energy Solutions conducted a glint and glare analysis of the proposed 2 MW fixed tilt solar ground mount system located on the property of the Golden Triangle Regional Airport. The analysis reviewed the potential for glare to any pilot(s) approaching runways 18 and 36, as well as the potential for glare to any person(s) in the air traffic control tower.

### **Glare Analysis Method**

With growing numbers of solar energy systems being proposed and installed throughout the United States, the potential impact of glint (a momentary flash of bright light) and glare (a continuous source of bright light) from solar photovoltaic modules has come under scrutiny by aviation authorities. The Federal Aviation Administration (FAA) issued an Interim Policy (78 Federal Register [FR] 63276) on October 23, 2013, describing methods for obtaining FAA review and approval of proposed solar arrays on airport property. These methods involved the use of the Sandia National Laboratories (Sandia) Solar Glare Hazard Analysis Tool (SGHAT), a modeling/compliance analysis tool now licensed for public use within the ForgeSolar GlareGauge cloud software application. The 2013 FAA Interim Policy was replaced by the FAA Review of Solar Energy System Projects on Federally Obligated Airports (86 Federal Register [FR] 25802) on May 11, 2021, along with other changes, eliminated the requirement to submit the results of the glint and glare study to the FAA, and instead required the filing of a Notice of Proposed Construction or Alteration Form (7460-1) that includes a statement that the project will not cause any visual impact.

Sandia developed SGHAT v. 3.0, a web-based tool and methodology to evaluate potential glint/glare associated with solar energy installations. The validated tool provides a quantified assessment of when and where glare will occur, as well as information about potential ocular impacts. The calculations and methods are based on analyses, test data, a database of different photovoltaic module surfaces (e.g., anti-reflective coating, texturing), and models developed over several years at Sandia. The results are presented in a simple, easy-to-interpret plot that specifies when glare will occur throughout the year, with color indicating the potential ocular hazard (Sandia National Laboratories 2016).

Based on this background, ProStar has utilized the SGHAT tool as licensed for use in ForgeSolar GlareGauge cloud software application for modeling and analysis. ProStar used this software to evaluate the potential for glint and glare:

- For any pilot(s) on the two-mile final approach paths for runways 18 and 36 at the Golden Triangle Regional Airport
- For any person(s) from the air traffic control tower

The panels to be used on the proposed ground mount will be standard, tier-1 solar modules that have a smooth, glass surface without any anti reflective coating. The analysis was performed using these modules and specifications along with a standard, fixed tilt racking solution with modules tilted at 25 degrees, having an azimuth of 180 degrees (facing due south), and a panel height of 6 feet above ground level.

### **Glint vs Glare**

As an industry standard, the term “glint and glare analysis” is typically used to describe an analysis of potential ocular impacts to defined receptors. As a point of clarification, ForgeSolar defines glint and glare in the following statement: Glint is typically defined as a momentary flash of bright light, often caused by a reflection off a moving source. A typical example of glint is a momentary solar reflection from a moving car. Glare is defined as a continuous source of bright light. Glare is generally associated with stationary objects, which, due to the slow relative movement of the sun, reflect sunlight for a longer duration. (Sandia National Laboratories 2016)

Glare is categorized by the SGHAT online tool, GlareGauge, into three tiers of severity (ocular hazards) that are shown by different colors in the model output:

- Red glare: glare predicted with a potential for permanent eye damage (retinal burn)
- Yellow glare: glare predicted with a potential for temporary after-image
- Green glare: glare predicted with a low potential for temporary after-image

These categories of glare are calculated using a typical observer’s blink response time, ocular transmission coefficient (the amount of radiation absorbed in the eye prior to reaching the retina), pupil diameter, and eye focal length (the distance between where rays intersect in the eye and the retina). As a point of comparison, direct viewing of the sun without a filter is considered to be on the border between yellow glare and red glare, while typical camera flashes are considered to be lower tier yellow glare (approximately three orders of magnitude less than direct viewing of the sun). Upon exposure to yellow glare, the observer may experience a temporary spot in their vision after the exposure. Upon exposure to green glare, the observer may experience a bright reflection but typically no spot lasting after exposure.

### **FAA Notice Criteria Consultation**

The FAA developed a Technical Guidance for Evaluating Selected Solar Technologies on Airports in 2010 (updated in 2018). In it, the FAA recommends that glare analyses should be performed on a site-specific basis using the Sandia SGHAT. This analysis applies to solar facilities located on federally obligated airport property; it is not mandatory for a proposed solar installation that is not on an airport, but is considered to be an industry best practice for solar facilities in general. The SGHAT is the standard for measuring potential ocular impact as a result of solar facilities.

According to 78 FR 63276, the FAA has determined that “glint and glare from solar energy systems could result in an ocular impact to pilots and/or air traffic control (ATC) facilities and compromise the safety of the air transportation system” (FAA 2013). The updated final FAA policy (86 FR 25801) states that:

*FAA has subsequently concluded that in most cases, the glint and glare from solar energy systems to pilots on final approach is similar to glint and glare pilots routinely experience from water bodies, glass facade buildings, parking lots, and similar features. However, FAA has continued to receive reports of potential glint and glare from on-airport solar energy systems on personnel working in Air Traffic Control Tower (ATCT) cabs. Therefore, FAA has determined the scope of agency policy should be focused on the impact of on-airport solar energy systems to federally obligated towered airports, specifically the airport’s ATCT cab (FAA 2021).*

The FAA has developed the following criteria for analysis of solar energy projects located on jurisdictional airports:

- No potential for glint or glare in the existing or planned ATC tower cab (78 FR 63276 and 86 FR 25801).
- Glint or glare along the final approach path for any existing landing threshold or future landing thresholds (including any planned interim phases of the landing thresholds) The final approach

path is defined as 2 miles from 50 feet above the landing threshold using a standard three-degree glidepath (78 FR 63276 only).

The online FAA Notice Criteria Tool (NCT) reports whether a proposed structure is in proximity to a jurisdictional air navigation facility and if formal submission to the FAA Obstruction Evaluation Group under 14 CFR Part 77.9 (Safe, Efficient Use, and Preservation of the Navigable Airspace) is recommended. The NCT also identifies final approach flight paths that may be considered vulnerable to a proposed structure's impact on navigation signal reception. ProStar utilized the NCT to determine if the proposed solar array is located within an FAA-identified impact area based on the solar array boundaries and height above ground surface. The FAA NCT Report stated that the proposed solar array is in proximity to a navigation facility and may impact the assurance of navigation signal reception. It confirmed that the location of the construction of the solar array is on airport property and the FAA requests that we file. **ProStar will file and manage the FAA on airport case study if the proposed solar array is awarded to ProStar. Because of the results of the glint and glare study detailed below, ProStar anticipates the proposed solar array will be approved by the FAA.**

### Glare Analysis Results

The SGHAT GlareGauge modeled the results for the proposed 2 MW ground mount solar array. The simulation found that there is no glare for any flight path on approach to runways 18 and 36 ("Flight Path 18" and "Flight Path 36" on the reports) from threshold (runway) to 2 miles. The simulation also found that there is no glare of any kind for the air traffic control tower ("1-ATCT" on the reports) at cab height. Please refer to the following attachments for more detailed information:

- **Attachment 1** - This document is a summary of the inputs required to perform the glint and glare study. It shows the location and parameters used in the study as well as details for the proposed ground mount solar array (PV Ground Mount), the 2-mile flight path receptors for the 2 flight paths (Flight Path 18 & Flight Path 36), and the air traffic control tower (1-ATCT)
- **Attachment 2** - This document is a summary of the results and parameters used, concluding there is no glare found for Flight Path 18, Flight Path 36, or 1-ATCT
- **Attachment 3** - This document shows the results of the glint and glare analysis according to the 2021 U.S. Federal Aviation Administration Policy. It shows both the analysis parameters and study for glare for the ATCT passed, concluding no glare of any kind.
- **Attachment 4** - This document shows the results of the glint and glare analysis according to the 2013 U.S. Federal Aviation Administration Interim Policy 78 FR 63276. It shows that the analysis parameters passed, and concluded there was no "yellow" glare for any flight path from threshold to 2 miles, and no glare of any kind for the ATCT, resulting in passed statuses for both. ProStar included these results to show there is no glare to pilots on final approach, although not required for the 2021 policy.

### Summary

The proposed 2 MW solar ground mount for Airbus was modeled on SGHAT GlareGauge to evaluate the potential extent of any glint and glare the array may have upon nearby points of observation (1-ATCT) as well as aircraft on approach paths to runways 18 and 36. The analysis used standard, tier-1 solar modules without any anti-reflective coating, that have a smooth glass covering. The modules will be installed on a standard, fixed tilt racking solution, at a 25-degree tilt, with an azimuth of 180 degrees, 6 feet above ground level.

**The results of the analysis concluded that there is no glare of any kind for the air traffic control tower (1-ATCT), the approach path for runway 18 (Flight Path 18), or the approach path for runway 36 (Flight Path 36). The results also concluded that the parameters used in the analysis are in accordance with FAA standards.**

## References

FAA (Federal Aviation Administration). 2018. Technical Guidance for Evaluating Selected Solar Technologies on Airports. Available online at: <https://www.faa.gov/sites/faa.gov/files/airports/environmental/FAAAirport-Solar-Guide-2018.pdf> FAA, 2021.

FAA Policy: Review of Solar Energy System Projects on Federally-Obligated Airports. 86 FR 25801. May 11, 2021.

Sandia Solar Glare Hazard Analysis Tool, GlareGauge hosted by ForgeSolar. Accessed online <https://www.forgesolar.com/>.

Sandia (Sandia National Laboratories). 2016. Solar Glare Hazard Analysis Tool (SGHAT) User's Manual v. 3.0. December 6, 2016.





# Airbus Ground Mount

## Airbus - Columbus MS

**Client:** Airbus

**Created** Jun 21, 2023  
**Updated** Jun 28, 2023  
**Time-step** 1 minute  
**Timezone offset** UTC-6  
**Minimum sun altitude** 0.0 deg  
**Site ID** 93645.16433

**Project type** Advanced  
**Project status:** active  
**Category** 1 MW to 5 MW



### Misc. Analysis Settings

**DNI:** varies (5.36 W/m<sup>2</sup> peak)  
 Ocular transmission coefficient: 0.5  
 Pupil diameter: 0.002 m  
 Eye focal length: 0.017 m  
 Sun subtended angle: 9.3 mrad

PV Analysis Methodology: **Version 2**  
 Enhanced subtended angle calculation: **On**

### Summary of Results No glare predicted!

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced
	deg	deg	min	min	kWh
PV Ground Mount	25.0	180.0	0	0	4,778,000.0

# Component Data

## PV Array(s)

Total PV footprint area: 5.6 acres

**Name:** PV Ground Mount  
**Footprint area:** 5.6 acres  
**Axis tracking:** Fixed (no rotation)  
**Tilt:** 25.0 deg  
**Orientation:** 180.0 deg  
**Rated power:** 2000.0 kW  
**Panel material:** Smooth glass without AR coating  
**Vary reflectivity with sun position?** Yes  
**Correlate slope error with surface type?** Yes  
**Slope error:** 6.55 mrad

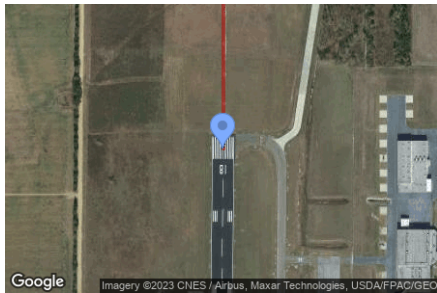
Vertex	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
1	33.456050	-88.584459	254.80	6.00	260.80
2	33.456045	-88.583478	249.93	6.00	255.93
3	33.458285	-88.583474	247.83	6.00	253.83
4	33.458290	-88.584466	254.53	6.00	260.53



## 2-Mile Flight Path Receptor(s)

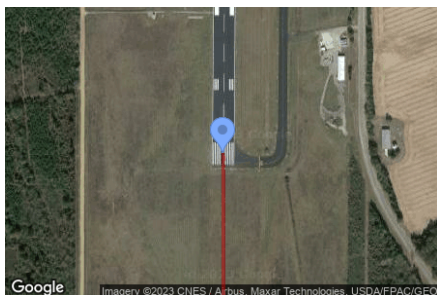
**Name:** Flight Path 18  
**Description:**  
**Threshold height :** 50 ft  
**Direction:** 180.0 deg  
**Glide slope:** 3.0 deg  
**Pilot view restricted?** Yes  
**Vertical view restriction:** 30.0 deg  
**Azimuthal view restriction:** 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	33.459003	-88.591293	258.95	50.00	308.95
2-mile point	33.487916	-88.591293	254.49	607.88	862.38



**Name:** Flight Path 36  
**Description:**  
**Threshold height :** 50 ft  
**Direction:** 0.0 deg  
**Glide slope:** 3.0 deg  
**Pilot view restricted?** Yes  
**Vertical view restriction:** 30.0 deg  
**Azimuthal view restriction:** 50.0 deg

Point	Latitude	Longitude	Ground elevation	Height above ground	Total elevation
	deg	deg	ft	ft	ft
Threshold	33.437542	-88.591512	250.51	50.00	300.51
2-mile point	33.408629	-88.591512	261.75	592.19	853.94



### Discrete Observation Receptors

Number	Latitude	Longitude	Ground elevation	Height above ground	Total Elevation
	deg	deg	ft	ft	ft
1-ATCT	33.450843	-88.588202	260.10	55.00	315.10

1-ATCT map image



## Summary of PV Glare Analysis

*PV configuration and total predicted glare*

PV Name	Tilt	Orientation	"Green" Glare	"Yellow" Glare	Energy Produced	Data File
	deg	deg	min	min	kWh	
PV Ground Mount	25.0	180.0	0	0	4,778,000.0	-

## PV & Receptor Analysis Results

*Results for each PV array and receptor*

### PV Ground Mount no glare found

Predicted energy output: 4,778,000.0 kWh (assuming sunny, clear skies)

Component	Green glare (min)	Yellow glare (min)
FP: Flight Path 18	0	0
FP: Flight Path 36	0	0
OP: 1-ATCT	0	0

*No glare found*

## Assumptions

- Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.
- Glare analyses do not automatically account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographical obstructions.
- Detailed system geometry is not rigorously simulated.
- The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual values and results may vary.
- The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.
- Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.
- The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)
- Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.
- Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.
- Refer to the **Help page** for detailed assumptions and limitations not listed here.

## FORGESOLAR GLARE ANALYSIS

Project: **Airbus Ground Mount**

Proposed 2 MW DC ground mount solar array located on Golden Triangle Regional Airport Property.

Site configuration: **Airbus - Columbus MS**

Client: Airbus

Created 21 Jun, 2023

Updated 28 Jun, 2023

Time-step 1 minute

Timezone offset UTC-6

Minimum sun altitude 0.0 deg

DNI peaks at 5.4 W/m<sup>2</sup>

Category 1 MW to 5 MW

Site ID 93645.16433

Ocular transmission coefficient 0.5

Pupil diameter 0.002 m

Eye focal length 0.017 m

Sun subtended angle 9.3 mrad

PV analysis methodology V2



### Summary of Results No glare predicted

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy kWh
	°	°	min	hr	min	hr	
PV Ground Mount	25.0	180.0	0	0.0	0	0.0	4,778,000.0

*Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.*

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Flight Path 18	0	0.0	0	0.0
Flight Path 36	0	0.0	0	0.0
1-ATCT	0	0.0	0	0.0

# Component Data

## PV Arrays

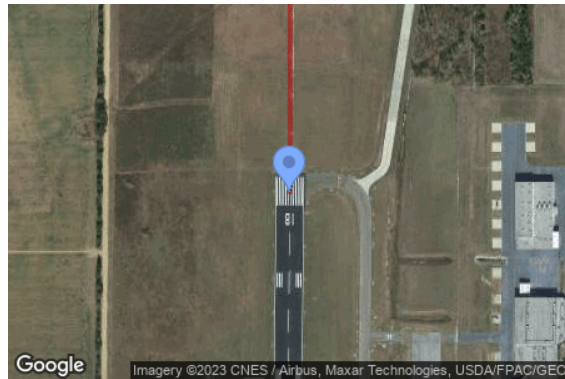
**Name:** PV Ground Mount  
**Axis tracking:** Fixed (no rotation)  
**Tilt:** 25.0°  
**Orientation:** 180.0°  
**Rated power:** 2000.0 kW  
**Panel material:** Smooth glass without AR coating  
**Reflectivity:** Vary with sun  
**Slope error:** correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	33.456050	-88.584459	254.80	6.00	260.80
2	33.456045	-88.583478	249.93	6.00	255.93
3	33.458285	-88.583474	247.83	6.00	253.83
4	33.458290	-88.584466	254.53	6.00	260.53

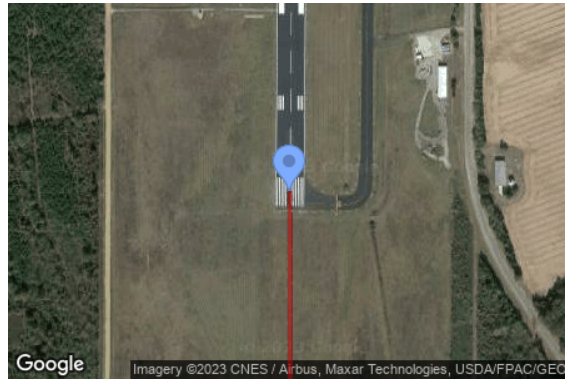
## Flight Path Receptors

**Name:** Flight Path 18  
**Description:**  
**Threshold height:** 50 ft  
**Direction:** 180.0°  
**Glide slope:** 3.0°  
**Pilot view restricted?** Yes  
**Vertical view:** 30.0°  
**Azimuthal view:** 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	33.459003	-88.591293	258.95	50.00	308.95
Two-mile	33.487916	-88.591293	254.49	607.88	862.38

**Name:** Flight Path 36  
**Description:**  
**Threshold height:** 50 ft  
**Direction:** 0.0°  
**Glide slope:** 3.0°  
**Pilot view restricted?** Yes  
**Vertical view:** 30.0°  
**Azimuthal view:** 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	33.437542	-88.591512	250.51	50.00	300.51
Two-mile	33.408629	-88.591512	261.75	592.19	853.94

## Discrete Observation Point Receptors

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
1-ATCT	1	33.450843	-88.588202	260.10	55.00

Map image of 1-ATCT



# Glare Analysis Results

## Summary of Results No glare predicted

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy
	°	°	min	hr	min	hr	kWh
PV Ground Mount	25.0	180.0	0	0.0	0	0.0	4,778,000.0

Total glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Flight Path 18	0	0.0	0	0.0
Flight Path 36	0	0.0	0	0.0
1-ATCT	0	0.0	0	0.0

## PV: PV Ground Mount no glare found

Receptor results ordered by category of glare

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
Flight Path 18	0	0.0	0	0.0
Flight Path 36	0	0.0	0	0.0
1-ATCT	0	0.0	0	0.0

### PV Ground Mount and FP: Flight Path 18

No glare found

### PV Ground Mount and FP: Flight Path 36

No glare found

### PV Ground Mount and 1-ATCT

No glare found



# Assumptions

---

"Green" glare is glare with low potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.

"Yellow" glare is glare with potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.

Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.

The algorithm does not rigorously represent the detailed geometry of a system; detailed features such as gaps between modules, variable height of the PV array, and support structures may impact actual glare results. However, we have validated our models against several systems, including a PV array causing glare to the air-traffic control tower at Manchester-Boston Regional Airport and several sites in Albuquerque, and the tool accurately predicted the occurrence and intensity of glare at different times and days of the year.

Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare. This primarily affects V1 analyses of path receptors.

Random number computations are utilized by various steps of the annual hazard analysis algorithm. Predicted minutes of glare can vary between runs as a result. This limitation primarily affects analyses of Observation Point receptors, including ATCTs. Note that the SGHAT/ ForgeSolar methodology has always relied on an analytical, qualitative approach to accurately determine the overall hazard (i.e. green vs. yellow) of expected glare on an annual basis.

The analysis does not automatically consider obstacles (either man-made or natural) between the observation points and the prescribed solar installation that may obstruct observed glare, such as trees, hills, buildings, etc.

The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)

The variable direct normal irradiance (DNI) feature (if selected) scales the user-prescribed peak DNI using a typical clear-day irradiance profile. This profile has a lower DNI in the mornings and evenings and a maximum at solar noon. The scaling uses a clear-day irradiance profile based on a normalized time relative to sunrise, solar noon, and sunset, which are prescribed by a sun-position algorithm and the latitude and longitude obtained from Google maps. The actual DNI on any given day can be affected by cloud cover, atmospheric attenuation, and other environmental factors.

The ocular hazard predicted by the tool depends on a number of environmental, optical, and human factors, which can be uncertain. We provide input fields and typical ranges of values for these factors so that the user can vary these parameters to see if they have an impact on the results. The speed of SGHAT allows expedited sensitivity and parametric analyses.

The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.

Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid based on aggregated research data. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.

Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.

Refer to the Help page at [www.forgesolar.com/help/](http://www.forgesolar.com/help/) for assumptions and limitations not listed here.

Default glare analysis parameters and observer eye characteristics (for reference only):

- Analysis time interval: 1 minute
- Ocular transmission coefficient: 0.5
- Pupil diameter: 0.002 meters
- Eye focal length: 0.017 meters
- Sun subtended angle: 9.3 milliradians

© Sims Industries d/b/a ForgeSolar, All Rights Reserved.

# FORGESOLAR GLARE ANALYSIS

Project: **Airbus Ground Mount**

Proposed 2 MW DC ground mount solar array located on Golden Triangle Regional Airport Property.

Site configuration: **Airbus - Columbus MS**

Client: Airbus

Created 21 Jun, 2023

Updated 28 Jun, 2023

Time-step 1 minute

Timezone offset UTC-6

Minimum sun altitude 0.0 deg

DNI peaks at 5.4 W/m<sup>2</sup>

Site ID 93645.16433

Ocular transmission coefficient 0.5

Pupil diameter 0.002 m

Eye focal length 0.017 m

Sun subtended angle 9.3 mrad

PV analysis methodology V2



## Glare Policy Adherence

The following table estimates the policy adherence of this glare analysis according to the **2021** U.S. Federal Aviation Administration Policy:

### Review of Solar Energy System Projects on Federally-Obligated Airports

This policy may require the following criteria be met for solar energy systems on airport property:

- No glare of any kind for Air Traffic Control Tower(s) ("ATCT") at cab height.
- Default analysis and observer characteristics, including 1-minute time step.

ForgeSolar is not affiliated with the U.S. FAA and does not represent or speak officially for the U.S. FAA. ForgeSolar cannot approve or deny projects - results are informational only. Contact the relevant airport and FAA district office for information on policy and requirements.

COMPONENT	STATUS	DESCRIPTION
Analysis parameters	PASS	Analysis time interval and eye characteristics used are acceptable
ATCT(s)	PASS	Receptor(s) marked as ATCT do not receive glare

The referenced policy can be read at <https://www.federalregister.gov/d/2021-09862>

# Component Data

This report includes results for PV arrays and Observation Point ("OP") receptors marked as ATCTs. Components that are not pertinent to the policy, such as routes, flight paths, and vertical surfaces, are excluded.

## PV Arrays

**Name:** PV Ground Mount  
**Axis tracking:** Fixed (no rotation)  
**Tilt:** 25.0°  
**Orientation:** 180.0°  
**Rated power:** 2000.0 kW  
**Panel material:** Smooth glass without AR coating  
**Reflectivity:** Vary with sun  
**Slope error:** correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	33.456050	-88.584459	254.80	6.00	260.80
2	33.456045	-88.583478	249.93	6.00	255.93
3	33.458285	-88.583474	247.83	6.00	253.83
4	33.458290	-88.584466	254.53	6.00	260.53

## Observation Point ATCT Receptors

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
1-ATCT	1	33.450843	-88.588202	260.10	55.00

Map image of 1-ATCT



# Glare Analysis Results

## Summary of Results No glare predicted

PV Array	Tilt	Orient	Annual Green Glare		Annual Yellow Glare		Energy
	°	°	min	hr	min	hr	kWh
PV Ground Mount	25.0	180.0	0	0.0	0	0.0	4,778,000.0

Total annual glare received by each receptor; may include duplicate times of glare from multiple reflective surfaces.

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
1-ATCT	0	0.0	0	0.0

## PV: PV Ground Mount

Receptor	Annual Green Glare		Annual Yellow Glare	
	min	hr	min	hr
1-ATCT	0	0.0	0	0.0

## PV Ground Mount and 1-ATCT

Receptor type: ATCT Observation Point

No glare found

# Assumptions

---

"Green" glare is glare with low potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.

"Yellow" glare is glare with potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.

Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.

The algorithm does not rigorously represent the detailed geometry of a system; detailed features such as gaps between modules, variable height of the PV array, and support structures may impact actual glare results. However, we have validated our models against several systems, including a PV array causing glare to the air-traffic control tower at Manchester-Boston Regional Airport and several sites in Albuquerque, and the tool accurately predicted the occurrence and intensity of glare at different times and days of the year.

Several V1 calculations utilize the PV array centroid, rather than the actual glare spot location, due to algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare. This primarily affects V1 analyses of path receptors.

Random number computations are utilized by various steps of the annual hazard analysis algorithm. Predicted minutes of glare can vary between runs as a result. This limitation primarily affects analyses of Observation Point receptors, including ATCTs. Note that the SGHAT/ ForgeSolar methodology has always relied on an analytical, qualitative approach to accurately determine the overall hazard (i.e. green vs. yellow) of expected glare on an annual basis.

The analysis does not automatically consider obstacles (either man-made or natural) between the observation points and the prescribed solar installation that may obstruct observed glare, such as trees, hills, buildings, etc.

The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size. Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)

The variable direct normal irradiance (DNI) feature (if selected) scales the user-prescribed peak DNI using a typical clear-day irradiance profile. This profile has a lower DNI in the mornings and evenings and a maximum at solar noon. The scaling uses a clear-day irradiance profile based on a normalized time relative to sunrise, solar noon, and sunset, which are prescribed by a sun-position algorithm and the latitude and longitude obtained from Google maps. The actual DNI on any given day can be affected by cloud cover, atmospheric attenuation, and other environmental factors.

The ocular hazard predicted by the tool depends on a number of environmental, optical, and human factors, which can be uncertain. We provide input fields and typical ranges of values for these factors so that the user can vary these parameters to see if they have an impact on the results. The speed of SGHAT allows expedited sensitivity and parametric analyses.

The system output calculation is a DNI-based approximation that assumes clear, sunny skies year-round. It should not be used in place of more rigorous modeling methods.

Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid based on aggregated research data. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.

Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.

Refer to the Help page at [www.forgesolar.com/help/](http://www.forgesolar.com/help/) for assumptions and limitations not listed here.

Default glare analysis parameters and observer eye characteristics (for reference only):

- Analysis time interval: 1 minute
- Ocular transmission coefficient: 0.5
- Pupil diameter: 0.002 meters
- Eye focal length: 0.017 meters
- Sun subtended angle: 9.3 milliradians

2016 © Sims Industries d/b/a ForgeSolar, All Rights Reserved.

# FORGESOLAR GLARE ANALYSIS

---

Project: **Airbus Ground Mount**

Proposed 2 MW DC ground mount solar array located on Golden Triangle Regional Airport Property.

Site configuration: **Airbus - Columbus MS**

Analysis conducted by Chris Steele (csteele@prostarenergy.com) at 15:01 on 28 Jun, 2023.

## U.S. FAA 2013 Policy Adherence

The following table summarizes the policy adherence of the glare analysis based on the 2013 U.S. Federal Aviation Administration Interim Policy 78 FR 63276. This policy requires the following criteria be met for solar energy systems on airport property:

- No "yellow" glare (potential for after-image) for any flight path from threshold to 2 miles
- No glare of any kind for Air Traffic Control Tower(s) ("ATCT") at cab height.
- Default analysis and observer characteristics (see list below)

ForgeSolar does not represent or speak officially for the FAA and cannot approve or deny projects. Results are informational only.

COMPONENT	STATUS	DESCRIPTION
Analysis parameters	PASS	Analysis time interval and eye characteristics used are acceptable
2-mile flight path(s)	PASS	Flight path receptor(s) do not receive yellow glare
ATCT(s)	PASS	Receptor(s) marked as ATCT do not receive glare

Default glare analysis parameters and observer eye characteristics (for reference only):

- Analysis time interval: 1 minute
- Ocular transmission coefficient: 0.5
- Pupil diameter: 0.002 meters
- Eye focal length: 0.017 meters
- Sun subtended angle: 9.3 milliradians

FAA Policy 78 FR 63276 can be read at <https://www.federalregister.gov/d/2013-24729>

# SITE CONFIGURATION

## Analysis Parameters

DNI: peaks at 5.4 W/m<sup>2</sup>  
 Time interval: 1 min  
 Ocular transmission coefficient: 0.5  
 Pupil diameter: 0.002 m  
 Eye focal length: 0.017 m  
 Sun subtended angle: 9.3 mrad  
 Site Config ID: 93645.16433  
 Methodology: V2



## PV Array(s)

**Name:** PV Ground Mount  
**Axis tracking:** Fixed (no rotation)  
**Tilt:** 25.0°  
**Orientation:** 180.0°  
**Rated power:** 2000.0 kW  
**Panel material:** Smooth glass without AR coating  
**Reflectivity:** Vary with sun  
**Slope error:** correlate with material



Vertex	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
1	33.456050	-88.584459	254.80	6.00	260.80
2	33.456045	-88.583478	249.93	6.00	255.93
3	33.458285	-88.583474	247.83	6.00	253.83
4	33.458290	-88.584466	254.53	6.00	260.53

## Flight Path Receptor(s)

**Name:** Flight Path 18

**Description:**

**Threshold height:** 50 ft

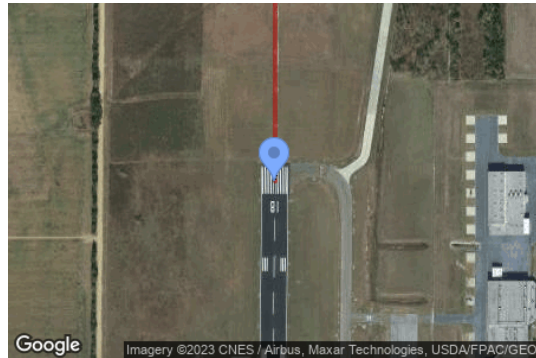
**Direction:** 180.0°

**Glide slope:** 3.0°

**Pilot view restricted?** Yes

**Vertical view:** 30.0°

**Azimuthal view:** 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	33.459003	-88.591293	258.95	50.00	308.95
Two-mile	33.487916	-88.591293	254.49	607.88	862.38

**Name:** Flight Path 36

**Description:**

**Threshold height:** 50 ft

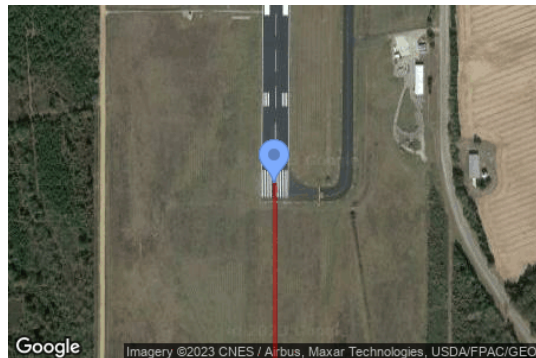
**Direction:** 0.0°

**Glide slope:** 3.0°

**Pilot view restricted?** Yes

**Vertical view:** 30.0°

**Azimuthal view:** 50.0°



Point	Latitude (°)	Longitude (°)	Ground elevation (ft)	Height above ground (ft)	Total elevation (ft)
Threshold	33.437542	-88.591512	250.51	50.00	300.51
Two-mile	33.408629	-88.591512	261.75	592.19	853.94

## Discrete Observation Receptors

Name	ID	Latitude (°)	Longitude (°)	Elevation (ft)	Height (ft)
1-ATCT	1	33.450843	-88.588202	260.10	55.00

Map image of 1-ATCT







# GLARE ANALYSIS RESULTS

## Summary of Glare

PV Array Name	Tilt (°)	Orient (°)	"Green" Glare min	"Yellow" Glare min	Energy kWh
PV Ground Mount	25.0	180.0	0	0	4,778,000.0

Total annual glare received by each receptor

Receptor	Annual Green Glare (min)	Annual Yellow Glare (min)
Flight Path 18	0	0
Flight Path 36	0	0
1-ATCT	0	0

## Results for: PV Ground Mount

Receptor	Green Glare (min)	Yellow Glare (min)
Flight Path 18	0	0
Flight Path 36	0	0
1-ATCT	0	0

### Flight Path: Flight Path 18

0 minutes of yellow glare

0 minutes of green glare

### Flight Path: Flight Path 36

0 minutes of yellow glare

0 minutes of green glare

### Point Receptor: 1-ATCT

0 minutes of yellow glare

0 minutes of green glare

# Assumptions

---

"Green" glare is glare with low potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.

"Yellow" glare is glare with potential to cause an after-image (flash blindness) when observed prior to a typical blink response time.

Times associated with glare are denoted in Standard time. For Daylight Savings, add one hour.

Glare analyses do not account for physical obstructions between reflectors and receptors. This includes buildings, tree cover and geographic obstructions.

Several calculations utilize the PV array centroid, rather than the actual glare spot location, due to V1 algorithm limitations. This may affect results for large PV footprints. Additional analyses of array sub-sections can provide additional information on expected glare.

The subtended source angle (glare spot size) is constrained by the PV array footprint size. Partitioning large arrays into smaller sections will reduce the maximum potential subtended angle, potentially impacting results if actual glare spots are larger than the sub-array size.

Additional analyses of the combined area of adjacent sub-arrays can provide more information on potential glare hazards. (See previous point on related limitations.)

Glare locations displayed on receptor plots are approximate. Actual glare-spot locations may differ.

Glare vector plots are simplified representations of analysis data. Actual glare emanations and results may differ.

The glare hazard determination relies on several approximations including observer eye characteristics, angle of view, and typical blink response time. Actual results and glare occurrence may differ.

Hazard zone boundaries shown in the Glare Hazard plot are an approximation and visual aid based on aggregated research data. Actual ocular impact outcomes encompass a continuous, not discrete, spectrum.

Refer to the Help page at [www.forgesolar.com/help/](http://www.forgesolar.com/help/) for assumptions and limitations not listed here.

2016 © Sims Industries d/b/a ForgeSolar, All Rights Reserved.