rubino
ENGINEERING INC.

REPORT TRANSMITTAL

August 23, 2024

To: Curtis P. Dettmann, P.E.
Senior Project Manager
Engineering Enterprises, Inc.
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6769

Re: **Abbreviated Structure Geotechnical Report**
Orchard Valley Golf Course Bridge Replacements
2411 W Illinois Avenue
Aurora, Illinois

Rubino Report No. G24.053

Via email: CDettmann@eeiweb.com

Dear Mr. Dettmann,

Rubino Engineering, Inc. is pleased to submit our Abbreviated Structure Geotechnical Report for the proposed Orchard Valley Golf Course Bridge Replacement project in Aurora, Illinois.

Report Description

Enclosed is the Abbreviated Structure Geotechnical Report including results of field and laboratory testing, as well as recommendations for foundation design, slope stability, and general site development.

Authorization and Correspondence History

- RFP Email from Curtis P. Dettmann of Engineering Enterprises, Inc., received on September 15, 2023
- Rubino Proposal No. Q23.452g dated September 22, 2023; Signed and authorized by Curtis P. Dettmann, P.E. on March 20, 2024.

Closing

Rubino appreciates the opportunity to provide geotechnical services for this project and we look forward to continued participation during the design and in future construction phases of this project.

If you have questions pertaining to this report, or if Rubino may be of further service, please contact our office at (847) 931-1555.

Respectfully submitted,
RUBINO ENGINEERING, INC.

Michelle A. Lipinski, PE
President

michelle.lipinski@rubinoeng.com

MAL/file/ Enclosures

Abbreviated Structure Geotechnical Report

Drilling
Laboratory Testing
Geotechnical Analysis

ORCHARD VALLEY GOLF COURSE
BRIDGE REPLACEMENTS

2411 W ILLINOIS AVENUE

AURORA, ILLINOIS

RUBINO PROJECT NO. G24.053

PREPARED BY:

HOLLY GREGORICH
AIMEE RITCHIE, PE

rubino ENGINEERING INC.

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Michelle A. Lipinski, PE
President
IL No. 062-061241, Exp. 11/30/2025

PREPARED FOR:

ENGINEERING ENTERPRISES, INC.

52 WHEELER ROAD

SUGAR GROVE, ILLINOIS 60554

AUGUST 23, 2024

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PROJECT DESCRIPTION AND SCOPE

Rubino Engineering, Inc. (Rubino) understands that five (5) bridges at Orchard Valley Golf Course will be removed and replaced. Construction of the bridges is planned to take place in 2025 and 2026.

Project Information Received:

- None of the required information listed in the proposal has been provided to Rubino as of the issuance of this report therefore all recommendations are preliminary.

Documents received:

- "Attachment D – Location Map" – prepared by Engineering Enterprises, Inc., received on September 15, 2023.

The preliminary geotechnical recommendations presented in this report are based on the available project information and the subsurface materials described in this report. If any of the information on which this report is based is incorrect, please inform Rubino in writing so that we may amend the recommendations presented in this report (if appropriate, and if desired by the client). Rubino will not be responsible for the implementation of our recommendations if we are not notified of changes in the project.

This report briefly outlines the following:

- *Project Description and Scope*
- *Field Exploration*
- *Preliminary Geotechnical Evaluations and Recommendations*
  - *Preliminary Settlement*
  - *Preliminary Slope Stability*
  - *Preliminary Scour*
  - *Preliminary Seismic Considerations*
- *Preliminary Foundation Recommendations*
- *Preliminary Construction Considerations*
- *Appendices (Supporting Documentation): Site Vicinity Map, Boring Location Plan*

FIELD EXPLORATION

Subsurface Exploration and Testing

Engineering Enterprises, Inc. (EEI) selected the number of borings and the boring depths. Rubino located the borings in the field by measuring distances from known fixed site features. The borings

were advanced utilizing 2 ¼ inch and 3 ¼ inch inside diameter, hollow stem auger drilling methods and soil samples were routinely obtained during the drilling process. Rubino's scope included the following drilling program:

Table 1: Drilling Scope

BORING NUMBERS	DEPTH (FEET BEG*)	LOCATION
BSB-01 & BSB-02	39 ½ – 40	#1 Green – Bridge
BSB-03 & BSB-04	37 ¼ – 38 ¾	#2 Tee – Bridge
BSB-05 & BSB-06	37 – 40	#4 Tee – Bridge
BSB-07 & BSB-08	38 – 38 ¼	#17 Green – Bridge
BSB-09 & BSB-10	40	#16 Tee – Bridge

*BEG = Below Existing Grade

Selected soil samples were tested in the laboratory to determine material properties for this report. Drilling, sampling, and laboratory tests were accomplished in general accordance with ASTM procedures. The following items are further described in the Appendix of this report.

- *Field Penetration Tests and Split-Barrel Sampling of Soils (ASTM D1586)*
- *Field Water Level Measurements*
- *Laboratory Determination of Water (Moisture) Content of Soil by Mass (ASTM D2216)*
- *Laboratory Determination of Atterberg Limits (ASTM D4318)*
- *Laboratory Organic Content by Loss on Ignition (ASTM D2974)*
- *Laboratory Determination of Materials Finer than #200 Sieve by Washing (ASTM C117-17)*

The laboratory testing program was conducted in general accordance with applicable ASTM specifications. The results of these tests are to be found on the accompanying boring logs located in the Appendix.

Subsurface Conditions

The preliminary geotechnical-related recommendations in this report are presented based on the subsurface conditions encountered and Rubino's understanding of the project. Should changes in the project criteria occur, a review must be made by Rubino to determine if modifications to our recommendations will be necessary.

The boring locations are shown in the Site Vicinity Map and Boring Location Plans in the Appendix. Detailed information regarding the nature and thickness of the soils encountered, and the results of the field sampling and laboratory testing are shown on the boring logs in the Appendix. A total of ten (10) soil borings were performed for this project at the various bridge structures to be replaced.

#1 Green Bridge (BSB-01 and BSB-02)
Beneath the existing topsoil, subsurface conditions generally consisted of cohesive undocumented fill soils underlain by medium stiff to stiff silty clay, with a layer of organic high plasticity silt / organic silt encountered within the silty clay, over medium dense to dense silty sand, terminating in sandy gravel which could be possible weathered limestone bedrock (BSB-01) or spoon refusal (BSB-02). Heaving sands were encountered within boring BSB-02.

#2 Tee Bridge (BSB-03 and BSB-04)
Beneath the existing topsoil, subsurface conditions generally consisted of cohesive undocumented fill soils underlain by soft to stiff silty clay, with an approximately 6 foot thick layer of organic silt encountered underlain by very stiff silty clay, over very dense silty sand, dense to very dense silty sand, terminating with spoon refusal in dense to very dense silty sandy gravel, (possible weathered limestone bedrock, BSB-03), or spoon refusal in hard sandy silty clay (BSB-04). Heaving sands were encountered within BSB-03.

#4 Tee Bridge (BSB-05 and BSB-06)
Beneath the existing topsoil, subsurface conditions consist of cohesive undocumented fill soils over organic silty clay, soft to medium stiff silty clay, medium stiff to stiff sandy silty clay with interbedded silt lenses over soft to medium stiff silty clay, very loose to loose sand or gravelly sand, with spoon refusal in medium dense gravel (possible limestone bedrock, BSB-05) or termination in dense silty sand (BSB-06). Cobbles / boulders are present throughout the boring depths.

#17 Green Bridge (BSB-07 and BSB-08)
Beneath the existing topsoil, subsurface conditions generally consisted of cohesive undocumented fill underlain by silty clay possible fill or possible buried topsoil or organic silty clay, soft to medium stiff silty clay or sandy silty clay, medium stiff silt, loose to medium dense over dense gravelly sand, stiff silty clay or organic silty clay, and medium dense to dense silty sand or gravelly sand, medium dense sandy gravel, to medium dense gravelly sand, terminating with spoon refusal in gravel (possible weathered limestone bedrock).

#16 Tee Bridge (BSB-09 to BSB-10)
Beneath the topsoil, subsurface conditions generally consisted of cohesive undocumented fill underlain with medium stiff silty clay (possible fill / possible buried topsoil), loose gravelly sand over medium dense to dense gravelly sand, to very dense gravelly sand, terminating in dense silty sand (BSB-09) or gravelly sand (BSB-10).

Rubino does not recommend additional geotechnical exploration be conducted at this time for the proposed bridge replacements.

The bedrock geology was evaluated by Rubino due to rock core information not being available.

Groundwater Conditions

Groundwater was encountered in some of the borings during drilling operations. The following table summarizes groundwater observations from the field:

Table 2: Groundwater Observation Summary

Boring Number	Approximate Groundwater Level during Drilling (feet BEG*)	Approximate Groundwater Level upon Auger Removal (feet BEG*)	Approximate Elevation of Hole Collapse Upon Auger Removal (feet BEG*)
BSB-01	11	9 ½	--
BSB-02	26	--	14
BSB-03	26	10	24
BSB-04	8 ½	8	11
BSB-05	13 ½	--	9
BSB-06	13 ½	8	--
BSB-07	14	10	28
BSB-08	11	4 ½	--
BSB-09	11 ½	9	17
BSB-10	11 ½	9	10

*BEG = Below Existing Grade

It should be noted that fluctuations in the groundwater level should be anticipated throughout the year depending on variations in climatological conditions and other factors not apparent at the time the borings were performed. The possibility of groundwater level fluctuation should be considered when developing the design and construction plans for the project. When bidding on this project, the contractor should anticipate that groundwater will be present.

Preliminary Geotechnical Evaluations and Recommendations

Preliminary Settlement

No information has been provided to Rubino as of the issuance of this report regarding the amount of new soil, if any that could cause settlement. The structure loading is anticipated to be similar to the current loading therefore no increase in structure loading is expected. Please advise Rubino if this is not the case so that we may amend our recommendations.

Preliminary Slope Stability

No drawings of the proposed bridge replacements have been provided to Rubino as of the issuance of this report. If new fill will be added, a slope stability analysis should be performed. Please notify Rubino if this service is needed.

Preliminary Scour

The proposed bridge structures cross over a N-S trending pond at Orchard Valley Golf Course however, scour information was not available to Rubino at the issuance of this report. Please notify Rubino if scour is a concern and provide the information necessary in order for us to perform a scour analysis and amend our recommendations.

Preliminary Seismic Considerations

The seismic site class was determined using the IDOT Spreadsheet "*Seismic Site Class Determination"* dated December 10, 2010. Based on the soils encountered and the estimated depth to bedrock and ILWATER well logs in the area, the project area is in Seismic Site Class D. the results of the "*Seismic Site Class Determination"* are shown in the Appendix.

The USGS Unified Hazard Tool was used to calculate the PGA, S_S, and S_1 values for bedrock motion. Those values were then used to determine the Design Spectral Acceleration Parameters at zero period (F_{PGA}), short period (S_{DS}), and 1-second period (S_{D1}). Based on the S_{D1} parameter, the site has a seismic performance zone (SPZ) of 1. Liquefaction is not applicable because the SPZ is 1.

Table 3: Seismic Design Parameters

SEISMIC PARAMETERS	VALUE
Design Spectral Acceleration Coefficient at 0.2 sec. (S_{DS})	0.164
Design Spectral Acceleration Coefficient at 1.0 sec. (S_{D1})	0.091
Seismic Performance Zone (SPZ)	1
Soil Site Class	D

PRELIMINARY FOUNDATION RECOMMENDATIONS

Preliminary Deep Foundation Recommendations – Driven Piles

Based on the subgrade information obtained during this investigation, the IDOT Static Method of Estimating Pile Length Spreadsheet, and the procedure outlined in the IDOT Design Guide ASMU 10.2 Geotechnical Pile Design, Rubino has complied a table of preliminary estimated pile lengths in the following tables. No bridge information or factored loading was available to Rubino at the issuance of this report; therefore, Rubino has defined the information on which preliminary estimated pile lengths are based. Scour was not taken into account for the factored resistances or preliminary estimated pile lengths in the tables below.

For the purpose of submitting preliminary geotechnical recommendations, the bottom of each abutment was defined at 4 feet below the top of each boring and a 1-foot embedment of the pile into the pile cap was utilized in the pile analysis for each abutment. Since there was no factored loading available, the longest pile available for each boring and pile type was reported for each bridge abutment. Preliminary estimated pile lengths were generally selected to terminate within 9-10 feet of the termination of the boring to allow for adequate boring information below the tip of the pile.

The driven metal shell piles should be designed to be at least 3 diameters apart from each other or group reduction factors will need to be employed in the design resistance values of these members. The maximum pile spacing is limited to 3.5 times the effective footing thickness plus 1 ft – 0 in. and should not exceed 8 ft – 0 in. per Section 3.10.1.11 of the *Bridge Manual, 2023*.

Conical tips are recommended for piles near BSB-02, BSB-03, BSB-05, BSB-06, and BSB-07 due to the heaving sands, dense to very dense silty or gravelly sand beginning within the estimated pile tip depth below grade and/or the presence of possible cobbles or boulders. Rubino recommends the utilization of at least one test pile at each abutment of each structure in order to obtain site specific pile bearing and length data. This data can be used in addition to the boring information to supplement the estimated plan pile length. This recommendation has been made in accordance with the *2023 IDOT Bridge Manual*, Section 3.10.1.7

Table 4: Preliminary Estimated Pile Lengths - #1 Green Bridge

Boring Number	Pile Type	Nominal Required Bearing, Rn (kips)	Factored Bearing, Rf (kips)	Preliminary Estimated Pile Length* (feet)	Estimated Pile Tip Depth Below Grade (feet)
#1 Green Bridge					
BSB-01	MS 12” dia. w/0. 25” walls	*288*	*158*	*28*	*-31*
	MS 14” dia. w/0.25” walls	*359*	*198*	*28*	*-31*
	MS 16” dia. w/0.312” walls	*438*	*241*	*28*	*-31*
BSB-02	MS 12” dia. w/0. 25” walls	*261*	*143*	*28*	*- 31*
	MS 14” dia. w/0.25” walls	*327*	*180*	*28*	*-31*
	MS 16” dia. w/0.312” walls	*400*	*220*	*28*	*-31*

* The Preliminary Estimated Pile Length depends on the pile cut off elevation. The estimated pile lengths will change if this this information changes.

Table 5: Preliminary Estimated Pile Lengths - #2 Tee Bridge

Boring Number	Pile Type	Nominal Required Bearing, Rn (kips)	Factored Bearing, Rf (kips)	Preliminary Estimated Pile Length* (feet)	Estimated Pile Tip Depth Below Grade (feet)
#2 Tee Bridge					
BSB-03	MS 12" dia. w/0. 25" walls	*392***	*216*	*24*	*-27*
	MS 14" dia. w/0.25" walls	*459***	*252*	*24*	*-27*
	MS 16" dia. w/0.312" walls	*654***	*359*	*25*	*-28*
BSB-04	MS 12" dia. w/0. 25" walls	*218*	*120*	*26*	*-29*
	MS 14" dia. w/0.25" walls	*278*	*153*	*26*	*-29*
	MS 16" dia. w/0.312" walls	*345*	*190*	*26*	*-29*

* The Preliminary Estimated Pile Length depends on the pile cut off elevation. The estimated pile lengths will change if this this information changes
** Maximum Nominal Required Bearing of the Pile was achieved within the boring

Table 6: Preliminary Estimated Pile Lengths - #4 Tee Bridge

Boring Number	Pile Type	Nominal Required Bearing, Rn (kips)	Factored Bearing, Rf (kips)	Preliminary Estimated Pile Length* (feet)	Estimated Pile Tip Depth Below Grade (feet)
#4 Tee Bridge					
BSB-05	MS 12" dia. w/0. 25" walls	*122*	*67*	*26*	*-29*
	MS 14" dia. w/0.25" walls	*151*	*83*	*26*	*-29*
	MS 16" dia. w/0.312" walls	*182*	*100*	*26*	*-29*
BSB-06	MS 12" dia. w/0. 25" walls	*223*	*123*	*28*	*-31*
	MS 14" dia. w/0.25" walls	*289*	*159*	*28*	*-31*
	MS 16" dia. w/0.312" walls	*363*	*200*	*28*	*-31*

* The Preliminary Estimated Pile Length depends on the pile cut off elevation. The estimated pile lengths will change if this this information changes.

Table 7: Preliminary Estimated Pile Lengths - #17 Green Bridge

Boring Number	Pile Type	Nominal Required Bearing, Rn (kips)	Factored Bearing, Rf (kips)	Preliminary Estimated Pile Length* (feet)	Estimated Pile Tip Depth Below Grade (feet)
#17 Green Bridge					
BSB-07	MS 12" dia. w/0. 25" walls	*310*	*170*	*18*	*-21*
	MS 14" dia. w/0.25" walls	*397*	*218*	*18*	*-21*
	MS 16" dia. w/0.312" walls	*494*	*272*	*18*	*-21*
BSB-08	MS 12" dia. w/0. 25" walls	*251*	*138*	*28*	*-31*
	MS 14" dia. w/0.25" walls	*310*	*170*	*28*	*-31*
	MS 16" dia. w/0.312" walls	*374*	*205*	*28*	*-31*

* The Preliminary Estimated Pile Length depends on the pile cut off elevation. The estimated pile lengths will change if this this information changes.

Table 8: Preliminary Estimated Pile Lengths - #16 Tee Bridge

Boring Number	Pile Type	Nominal Required Bearing, Rn (kips)	Factored Bearing, Rf (kips)	Preliminary Estimated Pile Length* (feet)	Estimated Pile Tip Depth Below Grade (feet)
#16 Tee Bridge					
BSB-09	MS 12" dia. w/0. 25" walls	*392***	*216*	*29*	*-32****
	MS 14" dia. w/0.25" walls	*459***	*252*	*29*	*-32****
	MS 16" dia. w/0.312" walls	*654***	*359*	*28*	*-32****
BSB-10	MS 12" dia. w/0. 25" walls	*266*	*146*	*28*	*-31*
	MS 14" dia. w/0.25" walls	*328*	*180*	*28*	*-31*
	MS 16" dia. w/0.312" walls	*394*	*217*	*28*	*-31*

* The Preliminary Estimated Pile Length depends on the pile cut off elevation. The estimated pile lengths will change if this this information changes.
** Maximum Nominal Required Bearing of the Pile was achieved within the boring
*** Please note the N value of 72 below the pile tip elevation

PRELIMINARY CONSTRUCTION CONSIDERATIONS

Topsoil Discussion

Topsoil materials as described in this report have not been analyzed for quality according to any minimum specifications. If topsoil is to be imported to or exported from this site, Rubino recommends that it meet the minimum specifications defined in **Section 1081.05** of the "Standard Specifications for Road and Bridge Construction," adopted by the Illinois Department of Transportation, April 1st, 2022.

Rubino has reported topsoil thicknesses at each boring based on visual observation of surficial soils. Topsoil-like materials were encountered at all borings and the thicknesses observed ranged from approximately 10 to 18 inches.

Recommendations for Additional Testing

Alternative foundation options could include drilled pier foundations. Considerations for drilled pier foundations include the presence of relatively shallow groundwater and granular soils that would require either a temporary or permanent casing. Additionally, recommendations for drilled piers would require additional borings to define the presence of bedrock with rock coring at each location.

Once the structural loads and structural plans are finalized, please notify Rubino so that we can review our recommendations for the direct use of the structures and development of the site. Changes in bridge / abutment geometry or location, foundation depth, and/or structural loading can affect the geotechnical recommendations for this site.

During construction, Rubino recommends that one of our representatives be onsite for typical **observations, testing, and documentation** of construction materials and foundation installation.

CLOSING

The recommendations submitted are based on the available subsurface information obtained by Rubino Engineering, Inc. and design details furnished by Engineering Enterprises, Inc. for the proposed project. If there are any revisions to the plans for this project or if deviations from the subsurface conditions noted in this report are encountered during construction, Rubino should be notified immediately to determine if changes in the foundation recommendations are required. If Rubino is not retained to perform these functions, we will not be responsible for the impact of those conditions on the project.

The scope of services did not include an environmental assessment to determine the presence or absence of wetlands, or hazardous or toxic materials in the soil, bedrock, surface water, groundwater or air on, below, or around this site. Any statements in this report and/or on the boring

logs regarding odors, colors, and/or unusual or suspicious items or conditions are strictly for informational purposes.

After the plans and specifications are more complete, the geotechnical engineer should be retained and provided the opportunity to review the final design plans and specifications to check that our engineering recommendations have been properly incorporated into the design documents. At this time, it may be necessary to submit supplementary recommendations. This report has been prepared for the exclusive use of Engineering Enterprises, Inc. and their consultants for the specific application to the proposed Orchard Valley Golf Course Bridge Replacement project in Aurora, Illinois.

Appendix A – Drilling, Field, and Laboratory Test Procedures

ASTM D1586 Penetration Tests and Split-Barrel Sampling of Soils

During the sampling procedure, Standard Penetration Tests (SPT's) were performed at regular intervals to obtain the standard penetration (N-value) of the soil. The results of the standard penetration test are used to estimate the relative strength and compressibility of the soil profile components through empirical correlations to the soils' relative density and consistency. The split-barrel sampler obtains a soil sample for classification purposes and laboratory testing, as appropriate for the type of soil obtained.

Water Level Measurements

Water level observations were attempted during and upon completion of the drilling operation using a 100-foot tape measure. The depths of observed water levels in the boreholes are noted on the boring logs presented in the appendix of this report. In the borings where water is unable to be observed during the field activities, in relatively impervious soils, the accurate determination of the groundwater elevation may not be possible even after several days of observation. Seasonal variations, temperature and recent rainfall conditions may influence the levels of the groundwater table and volumes of water will depend on the permeability of the soils.

ASTM D2216 Water (Moisture) Content of Soil by Mass (Laboratory)

The water content is an important index property used in expressing the phase relationship of solids, water, and air in a given volume of material and can be used to correlate soil behavior with its index properties. In fine grained cohesive soils, the behavior of a given soil type often depends on its natural water content. The water content of a cohesive soil along with its liquid and plastic limits as determined by Atterberg Limit testing are used to express the soil's relative consistency or liquidity index.

ASTM D2974 Standard Test Method for Organic Soils using Loss on Ignition (Laboratory)

These test methods cover the measurement of moisture content, ash content, and organic matter in peats and other organic soils, such as organic clays, silts, and mucks. Ash content of a peat or organic soil sample is determined by igniting the oven-dried sample from the moisture content determination in a muffle furnace at 440°C (Method C) or 750°C (Method D). The substance remaining after ignition is the ash. The ash content is expressed as a percentage of the mass of the oven-dried sample. 2.4 Organic matter is determined by subtracting percent ash content from 100.

ASTM D4318 Atterberg Limits (Laboratory)

Atterberg limit testing defines the liquid limit (LL) and plastic limit (PL) states of a given soil. These limits are used to determine the moisture content limits where the soil characteristics change from behaving more like a fluid on the liquid limit end to where the soil behaves more like individual soil particles on the plastic limit end. The liquid limit is often used to determine if a soil is a low or high plasticity soil. The plasticity index (PI) is the difference between the liquid limit and the plastic limit. The plasticity index is used in conjunction with the liquid limit to determine if the material will behave like a silt or clay.

Appendix B – Report Limitations

Subsurface Conditions:

The subsurface description is of a generalized nature to highlight the major subsurface stratification features and material characteristics. The boring logs included in the appendix should be reviewed for specific information at individual boring locations. These records include soil descriptions, stratifications, penetration resistances, locations of the samples and laboratory test data as well as water level information. The stratifications shown on the boring logs represent the conditions only at the actual boring locations. Variations may occur and should be expected between boring locations. The stratifications represent the approximate boundary between subsurface materials and the actual transition between layers may be gradual. The samples, which were not altered by laboratory testing, will be retained for up to 60 days from the date of this report and then will be discarded.

Geotechnical Risk:

The concept of risk is an important aspect of the geotechnical evaluation. The primary reason for this is that the analytical methods used to develop geotechnical recommendations do not comprise an exact science. The analytical tools that geotechnical engineers use are generally empirical and must be used in conjunction with engineering judgment and experience. Therefore, the solutions and recommendations presented in the geotechnical evaluation should not be considered risk-free, and more importantly, are not a guarantee that the interaction between the soils and the proposed structure will perform as planned. The engineering recommendations, presented in the preceding section, constitute Rubino's professional estimate of the necessary measures for the proposed structure to perform according to the proposed design based on the information generated and reference during this evaluation, and Rubino's experience in working with these conditions.

Warranty:

The geotechnical engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been made in accordance with generally accepted professional geotechnical engineering practices in the local area. No other warranties are implied or expressed.

Federal Excavation Regulations:

In Federal Register, Volume 54, No. 209 (October 1989), the United States Department of Labor, Occupational Safety and Health Administration (OSHA) amended its "Construction Standards for Excavations, 29 CFR, part 1926, Subpart P". This document was issued to better ensure the safety of workmen entering trenches or excavations. This federal regulation mandates that all excavations, whether they be utility trenches, basement excavation or footing excavations, be constructed in accordance with the new OSHA guidelines. It is our understanding that these regulations are being strictly enforced and if they are not closely followed, the owner and the contractor could be liable for substantial penalties.

The contractor is solely responsible for designing and constructing stable, temporary excavations and should shore, slope, or bench the sides of the excavations as required to maintain stability of both the excavation sides and bottom. The contractor's "responsible person," as defined in 29 CFR Part 1926, should evaluate the soil exposed in the excavations as part of the contractor's safety procedures. In no case should slope height, slope inclination, or excavation depth, including utility trench excavation depth, exceed those specified in local, state, and federal safety regulations. Rubino is providing this information solely as a service to our client. Rubino is not assuming responsibility for construction site safety or the contractor's activities; such responsibility is not being implied and should not be inferred.

Appendix C – Soil Classification General Notes

DRILLING & SAMPLING SYMBOLS:

SS:	Split Spoon - 1 3/8" I.D., 2" O.D., unless otherwise noted	PS:	Piston Sample
ST:	Thin-Walled Tube - 3" O.D., Unless otherwise noted	WS:	Wash Sample
PM:	Pressuremeter	HA:	Hand Auger
RB:	Rock Bit	HS:	Hollow Stem Auger
DB:	Diamond Bit - 4", N, B	BS:	Bulk Sample

Standard "N" Penetration: Blows per foot of a 140-pound hammer falling 30 inches on a 2-inch O.D. split spoon sampler (SS), except where noted.

WATER LEVEL MEASUREMENT SYMBOLS:
Water levels indicated on the boring logs are the levels measured in the borings at the times indicated. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of ground water levels is not possible with only short-term observations.

DESCRIPTIVE SOIL CLASSIFICATION:
Soil Classification is based on the Unified Soil Classification System as defined in ASTM D-2487 and D-2488. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; they are described as: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are described as: clays, if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse grained soils are defined on the basis of their relative in-place density and fine-grained soils on the basis of their consistency. Example: Lean clay with sand, trace gravel, stiff (CL); silty sand, trace gravel, medium dense (SM).

CONSISTENCY OF FINE-GRAINED SOILS:

Unconfined Compressive Strength, Qu (tsf)			N-Blows/ft.			Consistency
	<	0.25	< 2			Very Soft
0.25	-	0.5	2	-	4	Soft
0.5	-	1	4	-	8	Medium Stiff
1	-	2	8	-	15	Stiff
2	-	4	15	-	30	Very Stiff
4	-	8	30	-	50	Hard
>	-	8	> 50			Very Hard

RELATIVE DENSITY OF COARSE-GRAINED SOILS

N-Blows/ft.			Relative Density
0	-	3	Very Loose
4	-	9	Loose
10	-	29	Medium Dense
30	-	49	Dense
50	-	80	Very Dense
		80+	Extremely Dense

RELATIVE PROPORTIONS OF SAND & GRAVEL

Descriptive Term	% of Dry Weight		
Trace		<	15
With	15	-	29
Modifier		>	30

GRAIN SIZE TERMINOLOGY

Major Component	Size Range
Boulders	Over 12 in. (300mm)
Cobbles	12 in. To 3 in. (300mm to 75mm)
Gravel	3 in. To #4 sieve (75mm to 4.75mm)
Sand	#4 to #200 sieve (4.75mm to 0.75mm)

RELATIVE PROPORTIONS OF FINES

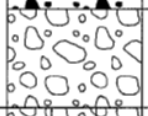
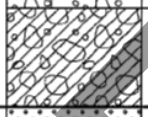
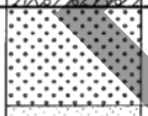
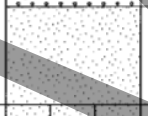
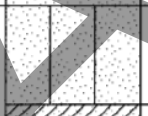
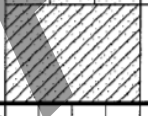
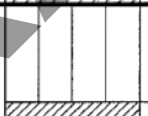
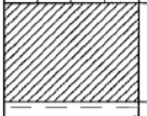
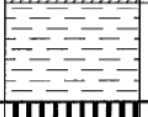
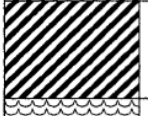
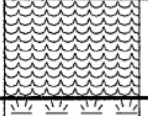
Descriptive Term	% of Dry Weight		
Trace		<	5
With	5	-	12
Modifier		>	12

*Descriptive Terms apply to components also present in sample

Appendix D – Soil Classification Chart

SOIL CLASSIFICATION CHART

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

MAJOR DIVISIONS			SYMBOLS: GRAPH	SYMBOLS: LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		(LITTLE OR NO FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
		(APPRECIABLE AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	SAND AND SANDY SOILS	CLEAN SANDS		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES
		(APPRECIABLE AMOUNT OF FINES)		SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

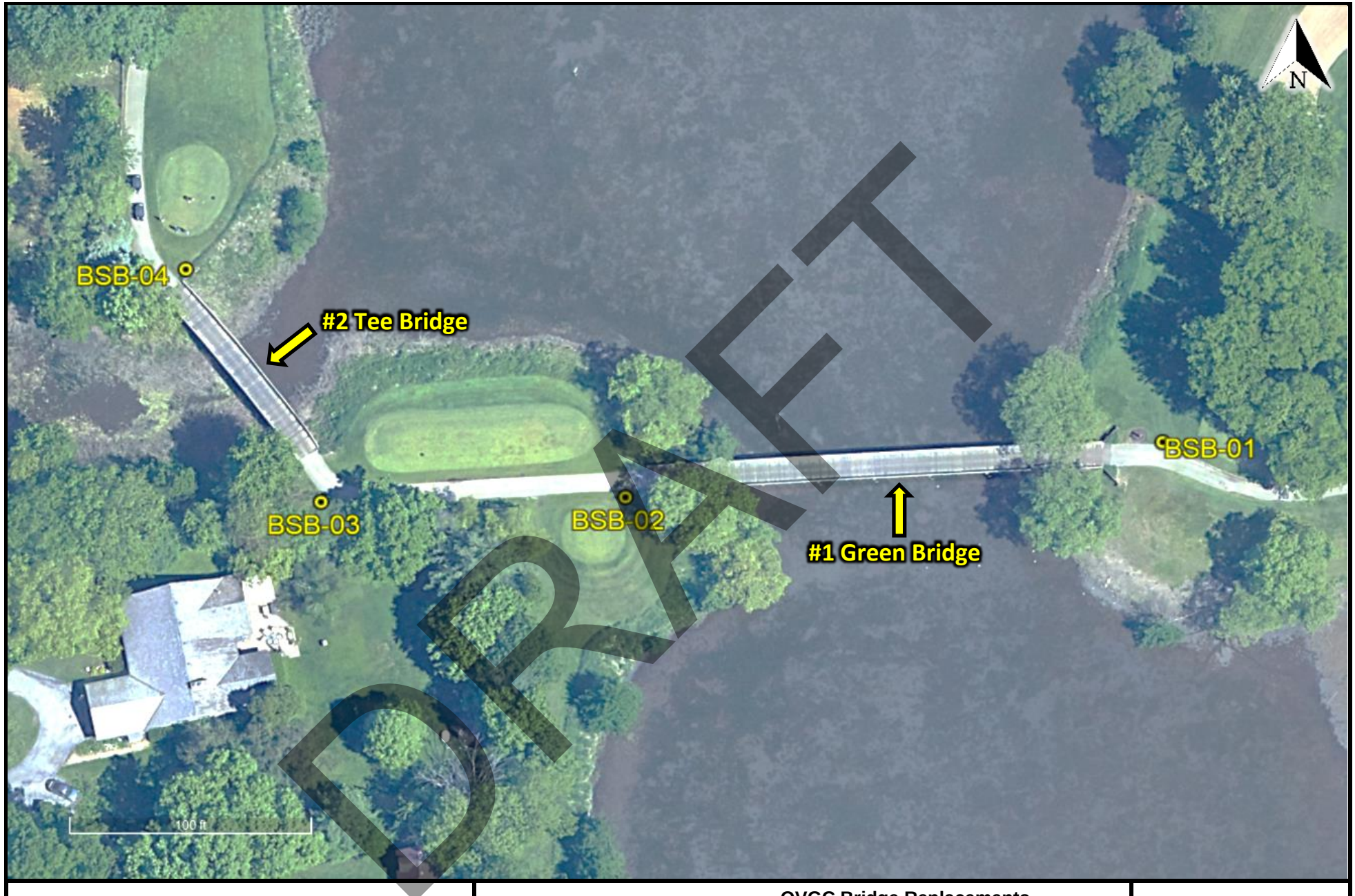
Appendix E – Site Vicinity Map & Boring Location Plans

rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**OVGC Bridge Replacements**
Project Location:	Orchard Valley Golf Course 2411 W Illinois Avenue - Aurora, Illinois
Client:	**Engineering Enterprises, Inc.**
Rubino Project # :	G24.053

Site Vicinity Map



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Project Name:	**OVGC Bridge Replacements**
Project Location:	Orchard Valley Golf Course 2411 W Illinois Avenue - Aurora, Illinois
Client:	**Engineering Enterprises, Inc.**
Rubino Project # :	G24.053

Boring Location Plan
1 of 4

rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**OVGC Bridge Replacements**
Project Location:	Orchard Valley Golf Course 2411 W Illinois Avenue - Aurora, Illinois
Client:	**Engineering Enterprises, Inc.**
Rubino Project # :	G24.053

Boring Location Plan
2 of 4

rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**OVGC Bridge Replacements**
Project Location:	Orchard Valley Golf Course 2411 W Illinois Avenue - Aurora, Illinois
Client:	**Engineering Enterprises, Inc.**
Rubino Project # :	G24.053

Boring Location Plan
3 of 4

rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**OVGC Bridge Replacements**
Project Location:	Orchard Valley Golf Course 2411 W Illinois Avenue - Aurora, Illinois
Client:	**Engineering Enterprises, Inc.**
Rubino Project # :	G24.053

Boring Location Plan
4 of 4

Appendix F – Borings Logs

Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING BSB-01

Rubino Job No.:	G24.053	Drilling Method:	2 ¼ Hollow Stem Auger	WATER LEVELS***	
Project:	OVGC Bridge Replacements	Sampling Method:	Split Spoon	While Drilling	11 ft
Location:	2411 W Illinois Avenue	Hammer Type:	Automatic	Upon Completion	9.5 ft
City, State:	Aurora, Illinois	Boring Location:	#1 Green Bridge	Delay	N/A
Client:	Engineering Enterprises, Inc.				

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA: Moisture / PL / LL (0, 25, 50); STRENGTH, tsf: Qu (Rimac) / Qp/Qr (0, 2.0, 4.0)	Additional Remarks
	0			1	16	Approximately 18 inches of TOPSOIL: black silty clay, with roots and organic matter		3-3-3 N=6	25		Qp=2.0 P tsf
						FILL: brown, black, and gray silty clay, with sand and gravel					
	5			2	18			2-2-4 N=6	37		Qp=1.8 P tsf
				3	12			3-3-2 N=5	34		Qp=1.3 P tsf
						Medium stiff to stiff, gray silty CLAY, trace sand and gravel					
	10			4	10			4-4-3 N=7	12		Qp=1.0 P tsf
				5	18			3-3-3 N=6	15		Qp=1.3 P tsf
	15			6	18		CL	1-3-3 N=6	15		Qp=1.8 P tsf
				7	18			4-4-3 N=7	14		Qp=3.0 P tsf
				8	18			4-6-6 N=12	13		Qp=4.3 P tsf
	20			9	18	Black, organic, high plasticity SILT	OH	9-8-8 N=16	39	>>	Qp=4.0 P tsf LL = 110 PL = 95 47% Organic Content
						Stiff, gray silty CLAY, with sand and gravel					
				10	18		CL	3-4-6 N=10	21		Qp=3.3 P tsf
	25			11	18	Medium dense to dense, gray silty SAND, trace gravel		3-5-5 N=10	19		
				12	10		SM	12-15-18 N=33	21		
	30										
				13	18	Medium dense, gray sandy SILT, with gravel	ML	15-17-11 N=28	17		55% Fines
	35										
				14	10	Medium dense, gray silty sandy GRAVEL *Possible Weathered Limestone Bedrock*	GM	15-13-16 N=29	11		
	40					End of boring at approximately 40 feet below existing grade.					

Completion Depth:	40.0 ft	Sample Types:		Latitude: 41.7757435
Date Boring Started:	4/8/24	Auger Cutting	Pressuremeter	Longitude: -88.3831228
Date Boring Completed:	4/8/24	Split-Spoon	Shelby Tube	Drill Rig: Geoprobe 7822DT
Logged By:	J.K.	Rock Core	Grab Sample	Remarks:
Drilling Contractor:	Rubino Engineering, Inc.		No Recovery	Log Entry: J. Ignarski
				Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

rubino ENGINEERING INC.
Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
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Fax: 847-931-1560

LOG OF BORING BSB-02

Rubino Job No.:	G24.053	Drilling Method:	2 ¼ Hollow Stem Auger	WATER LEVELS***	
Project:	OVGC Bridge Replacements	Sampling Method:	Split Spoon	While Drilling	26 ft
Location:	2411 W Illinois Avenue	Hammer Type:	Automatic	Upon Completion	N/A
City, State:	Aurora, Illinois	Boring Location:	#1 Green Bridge	Delay	N/A
Client:	Engineering Enterprises, Inc.				

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA: Moisture, PL, LL (0 / 25 / 50); STRENGTH, tsf: Qu (Rimac) ✳Qp/Qr (0 / 2.0 / 4.0)	Additional Remarks
	0			1	2	Approximately 14 inches of TOPSOIL: black silty clay, with roots and organic matter FILL: black and brown silty clay, with gravel		2-1-3 N=4	15		Qp=0.5 P tsf
				2	4			3-2-3 N=5	23		Qr=1.2 B tsf
	5			3	18	Medium stiff, brown and gray silty CLAY, trace sand and gravel	CL	0-2-2 N=4	42		Qr=0.7 B tsf
				4	12	Soft to medium stiff, gray silty CLAY, with interbedded silt lenses		0-1-1 N=2	29		Qr=0.4 B tsf
	10			5	16		CL	0-2-2 N=4	29		
				6	14			0-0-2 N=2	28		Qr=0.3 B tsf
	15			7	18	Black, organic SILT		3-5-7 N=12	52		>> Qp=2.0 P tsf 30% Organic Content
				8	18		OH	4-6-7 N=13	91		>> Qp=3.5 P tsf 36% Organic Content
	20			9	18			6-7-8 N=15	60		>> Qp=2.0 P tsf 22% Organic Content
				10	18	Very stiff, dark gray silty CLAY, with gravel	CL	4-7-10 N=17	16		Qr=2.1 B tsf
	25			11	18	Dense, gray silty sandy GRAVEL	GM	10-12-18 N=30	6		
				12	18	Dense to very dense, gray silty SAND, with gravel *Heaving sands encountered at approximately 28½ feet BEG. N-values may be elevated.*		13-13-19 N=32	10		
	30			13	18		SM	17-26-25 N=51	9		>>
	35			14	10	**Spoon refusal at approximately 39½ feet below existing grade.** End of boring at approximately 39½ feet below existing grade.		22-50/4"-	17		>>

Completion Depth:	39.3 ft
Date Boring Started:	4/16/24
Date Boring Completed:	4/16/24
Logged By:	J.K.
Drilling Contractor:	Rubino Engineering, Inc.

Sample Types:
- Auger Cutting
- Split-Spoon
- Rock Core
- Pressuremeter
- Shelby Tube
- Grab Sample
- No Recovery

Latitude: 41.7756757
Longitude: -88.3839513
Drill Rig: Geoprobe 7822DT
Remarks: Hole collapse at ~14 feet BEG
Log Entry: J. Ignarski
Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING BSB-03

Rubino Job No.:	G24.053
Project:	OVGC Bridge Replacements
Location:	2411 W Illinois Avenue
City, State:	Aurora, Illinois
Client:	Engineering Enterprises, Inc.
Drilling Method:	2 ¼ Hollow Stem Auger
Sampling Method:	Split Spoon
Hammer Type:	Automatic
Boring Location:	#2 Tee Bridge

WATER LEVELS***

While Drilling	26 ft
Upon Completion	10 ft
Delay	N/A

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA: Moisture, PL, LL (0–25–50); STRENGTH, tsf: Qu (Rimac) ✳Qp/Qr (0–2.0–4.0)	Additional Remarks
	0			1	15	Approximately 14 inches of TOPSOIL: black silty clay, with roots and organic matter FILL: black, brown, and gray silty clay, trace sand and gravel		2-3-4 N=7	26		Qp=1.8 P tsf
				2	2	*Low recovery. Soils classified from auger cuttings.*		2-3-3 N=6	31		Qp=2.0 P tsf
	5			3	14	Soft, brown and gray silty CLAY, trace sand and gravel	CL	1-1-1 N=2	40		Qr=0.6 B/S tsf
				4	18	Medium stiff to stiff, brown silty CLAY, trace sand and gravel		2-3-3 N=6	17		Qr=0.7 B/S tsf
	10			5	18		CL	3-4-5 N=9	14		Qr=2.5 B/S tsf
				6	18			3-5-5 N=10	13		Qr=3.0 B/S tsf
	15			7	18	Black, organic SILT		4-7-9 N=16	53	>>	Qp=4.5 P tsf 19% Organic Content
				8	18		OH	4-10-11 N=21	79	>>	Qp=4.5 P tsf 37% Organic Content
	20			9	18	Very stiff, dark gray silty CLAY, with gravel		7-10-10 N=20	135	>>	Qp=4.5 P tsf 77% Organic Content
				10	18		CL	6-12-16 N=28	14		Qr=2.1 B/S tsf
	25			11	12	Very dense, gray silty SAND, with gravel *Heaving sands encountered at approximately 26 feet BEG. N-values may be elevated.*	SM	89-30-29 N=59	10	>>	
				12	12	Dense to very dense, gray silty sandy GRAVEL		25-50-22 N=72	10	>>	
	30			13	18		GM	10-16-17 N=33	10		
	35			14	3	**Spoon refusal at approximately 38¾ feet below existing grade.** End of boring at approximately 38¾ feet below existing grade. *Possible Weathered Limestone Bedrock*		50/3"--	9	>>	

Completion Depth:	38.8 ft
Date Boring Started:	4/15/24
Date Boring Completed:	4/15/24
Logged By:	J.K.
Drilling Contractor:	Rubino Engineering, Inc.

Sample Types:
- Auger Cutting
- Split-Spoon
- Rock Core
- Pressuremeter
- Shelby Tube
- Grab Sample
- No Recovery

Latitude: 41.7756699
Longitude: -88.3844210
Drill Rig: Geoprobe 7822DT
Remarks: Hole collapse at ~24 feet BEG
Log Entry: J. Ignarski
Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
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LOG OF BORING BSB-04

Rubino Job No.:	G24.053
Project:	OVGC Bridge Replacements
Location:	2411 W Illinois Avenue
City, State:	Aurora, Illinois
Client:	Engineering Enterprises, Inc.
Drilling Method:	3 ¼ Hollow Stem Auger
Sampling Method:	Split Spoon
Hammer Type:	Automatic
Boring Location:	#2 Tee Bridge

WATER LEVELS***

While Drilling	8.5 ft
Upon Completion	8 ft
Delay	N/A

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA: Moisture, PL, LL (0–25–50); STRENGTH, tsf: Qu (Rimac) ✳Qp/Qr (0–2.0–4.0)	Additional Remarks
	0			1	8	Approximately 12 inches of TOPSOIL: black silty clay, with roots and organic matter FILL: black, brown, and gray silty clay, trace to with sand and gravel		2-2-3 N=5	32		Qp=1.5 P tsf 4% Organic Content
				2	15			2-4-4 N=8	28		Qr=1.9 B tsf 4% Organic Content
	5			3	8			2-5-8 N=13	22		
				4	10	Medium dense, gray well-graded sandy GRAVEL	GW	8-10-10 N=20	10		
	10			5	13	Medium stiff to stiff, gray silty CLAY, trace sand and gravel		3-3-3 N=6	13		Qr=0.5 B tsf
				6	4		CL	3-4-5 N=9	17		Qp=0.5 P tsf
	15			7	4			8-6-6 N=12	11		
				8	18	Black, organic SILT		3-5-9 N=14	57		>> 21% Organic Content
	20			9	13		OH	4-9-13 N=22	104		>> 35% Organic Content
				10	12	Very stiff, dark gray silty CLAY, with gravel	CL	4-6-10 N=16	15		Qr=1.5 B tsf
	25			11	13	Medium dense, gray silty sandy GRAVEL		6-10-11 N=21	10		
				12	16		GM	9-10-15 N=25	9		
	30			13	12	Hard, gray sandy silty CLAY, with gravel and rock chips	CL	18-22-27 N=49	9		Qr=1.9 B tsf
	35			14	2	**Spoon refusal at approximately 37¼ feet below existing grade.** End of boring at approximately 37¼ feet below existing grade.		50/2"--	6		>>

Completion Depth:	37.2 ft
Date Boring Started:	4/12/24
Date Boring Completed:	4/12/24
Logged By:	P.P.
Drilling Contractor:	Rubino Engineering, Inc.

Sample Types:
- Auger Cutting
- Split-Spoon
- Rock Core
- Pressuremeter
- Shelby Tube
- Grab Sample
- No Recovery

Latitude: 41.7759500
Longitude: -88.3846279
Drill Rig: Geoprobe 7822DT
Remarks: Hole collapse at ~11 feet BEG
Log Entry: J. Ignarski
Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

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Fax: 847-931-1560

LOG OF BORING BSB-05

Rubino Job No.:	G24.053	Drilling Method:	3 ¼ Hollow Stem Auger	WATER LEVELS***	
Project:	OVGC Bridge Replacements	Sampling Method:	Split Spoon	While Drilling	13.5 ft
Location:	2411 W Illinois Avenue	Hammer Type:	Automatic	Upon Completion	N/A
City, State:	Aurora, Illinois	Boring Location:	#4 Tee Bridge	Delay	N/A
Client:	Engineering Enterprises, Inc.				

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA: Moisture / PL / LL (0, 25, 50); STRENGTH, tsf: Qu (Rimac) / Qp/Qr (0, 2.0, 4.0)	Additional Remarks
	0			1	14	Approximately 12 inches of TOPSOIL: black silty clay, with roots and organic matter FILL: dark gray and black, silty clay, trace sand and gravel		3-3-3 N=6	26		Qp=1.5 P tsf
	5			2	13	Dark brown and black ORGANIC SILTY CLAY, trace roots	OL	2-1-3 N=4	59	>>	13% Organic Content
				3	16	Soft to medium stiff, dark gray and gray silty CLAY, trace sand and gravel		1-1-1 N=2	30		Qp=0.3 P tsf
	10			4	17		CL	0-2-2 N=4	24		Qp=1.5 P tsf
				5	4	Stiff, gray sandy silty CLAY, with gravel		4-5-5 N=10	30		
	15			6	6	*Possible cobbles/boulders encountered at approximately 13½ feet BEG*	CL	5-50/5"-	17	>>	Qp=0.5 P tsf
				7	12	Soft to medium stiff, gray silty CLAY, trace sand and gravel		0-3-3 N=6	20		Qp=1.0 P tsf
	20			8	11			2-1-1 N=2	22		Qp=2.0 P tsf
				9	18		CL	2-3-3 N=6	24		Qp=2.5 P tsf
				10	18			3-2-4 N=6	24		Qp=1.0 P tsf
	25			11	3	Loose, gray well-graded SAND, trace gravel		0-2-2 N=4	15		
				12	10		SW	4-4-5 N=9	18		
	30			13	12	Medium dense, light gray well-graded GRAVEL and rock chips *Possible Weathered Limestone Bedrock*	GW	42-13-15 N=28	11		
	35			14	1	**Spoon refusal at approximately 37 feet below existing grade.** End of boring at approximately 37 feet below existing grade.		50/1"--		>>	

Completion Depth:	36.9 ft
Date Boring Started:	4/11/24
Date Boring Completed:	4/12/24
Logged By:	P.P.
Drilling Contractor:	Rubino Engineering, Inc.

Sample Types:
- Auger Cutting
- Split-Spoon
- Rock Core
- Pressuremeter
- Shelby Tube
- Grab Sample
- No Recovery

Latitude: 41.7803454
Longitude: -88.3829290
Drill Rig: Geoprobe 7822DT
Remarks: Hole collapse at ~9 feet BEG
Log Entry: J. Ignarski
Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Telephone: 847-931-1555
Fax: 847-931-1560

LOG OF BORING BSB-06

Rubino Job No.:	G24.053	Drilling Method:	3 ¼ Hollow Stem Auger	WATER LEVELS***	
Project:	OVGC Bridge Replacements	Sampling Method:	Split Spoon	While Drilling	13.5 ft
Location:	2411 W Illinois Avenue	Hammer Type:	Automatic	Upon Completion	8 ft
City, State:	Aurora, Illinois	Boring Location:	#4 Tee Bridge	Delay	N/A
Client:	Engineering Enterprises, Inc.				

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA: Moisture / PL / LL (0, 25, 50); STRENGTH, tsf: Qu (Rimac) / Qp/Qr (0, 2.0, 4.0)	Additional Remarks
	0			1	12	Approximately 16 inches of TOPSOIL: black silty clay, with roots and organic matter FILL: brown, black, and gray silty clay, with sand, gravel, and roots		5-9-4 N=13	27		Qp=2.0 P tsf
				2	16	Black ORGANIC SILTY CLAY, with roots, trace sand and gravel *Possible Fill / Buried Topsoil*	OL	3-2-3 N=5	66	>>	16% Organic Content
	5			3	10	Medium stiff, gray silty CLAY, trace sand and gravel		6-2-4 N=6	27		Qp=1.0 P tsf
				4	2	*Low recovery. Soils classified from auger cuttings.*	CL	4-2-3 N=5	27		Qp=0.3 P tsf
	10			5	2	*Low recovery. Soils classified from auger cuttings.*		3-2-4 N=6	26		Qp=0.5 P tsf
				6	18	Medium stiff, gray sandy silty CLAY, with interbedded silt lenses		1-3-3 N=6	20		
	15			7	18		CL	2-2-4 N=6	20		
				8	18	Medium stiff, gray silty CLAY, trace sand and gravel		2-3-3 N=6	23		Qp=0.8 P tsf
	20			9	18		CL	3-3-3 N=6	22		Qp=0.8 P tsf
				10	18			3-2-4 N=6	22		Qp=1.3 P tsf
	25			11	18	Very loose, gray well-graded gravelly SAND	SW	1-0-2 N=2	18		
				12	18	Medium dense, gray well-graded gravelly SAND		10-16-14 N=30	17		
	30			13	1	*Possible cobbles/boulders encountered at approximately 33 feet BEG.*	SW	50/1"--		>>	
	35			14	18	Dense, gray silty SAND, trace gravel	SM	22-31-30 N=61	10	>>	
	40					End of boring at approximately 40 feet below existing grade.					

Completion Depth:	40.0 ft	Sample Types:		Latitude: 41.7803977
Date Boring Started:	4/10/24	Auger Cutting	Pressuremeter	Longitude: -88.3825324
Date Boring Completed:	4/10/24	Split-Spoon	Shelby Tube	Drill Rig: Geoprobe 7822DT
Logged By:	J.K.	Rock Core	Grab Sample	Remarks:
Drilling Contractor:	Rubino Engineering, Inc.		No Recovery	Log Entry: J. Ignarski
				Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
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Elgin, IL 60123
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LOG OF BORING BSB-07

Rubino Job No.:	G24.053	Drilling Method:	3 ¼ Hollow Stem Auger	WATER LEVELS***	
Project:	OVGC Bridge Replacements	Sampling Method:	Split Spoon	While Drilling	14 ft
Location:	2411 W Illinois Avenue	Hammer Type:	Automatic	Upon Completion	10 ft
City, State:	Aurora, Illinois	Boring Location:	#17 Green Bridge	Delay	N/A
Client:	Engineering Enterprises, Inc.				

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA: Moisture; PL; LL (0 / 25 / 50); STRENGTH, tsf: Qu (Rimac) ✳Qp/Qr (0 / 2.0 / 4.0)	Additional Remarks
	0			1	3	Approximately 10 inches of TOPSOIL: black silty clay, with roots and organic matter FILL: black, brown, and gray silty clay, trace sand and gravel		2-3-3 N=6	14		
				2	16			4-3-4 N=7	23		Qp=3.0 P tsf
	5			3	18	Medium stiff, black silty CLAY, trace sand and gravel *Possible Fill / Buried Topsoil*	CL	2-2-2 N=4	44		Qp=1.0 P tsf
				4	3	Medium stiff, gray silty CLAY, trace sand and gravel	CL	1-2-3 N=5	30		Qp=0.5 P tsf
	10			5	18	Medium stiff, gray SILT, with sand	ML	3-3-4 N=7	25		Qp=2.3 P tsf
				6	18	Medium dense to dense, gray well-graded gravelly SAND, trace to with fines *Heaving sands. N-values may be elevated.*		3-10-12 N=22	27		Qp=2.0 P tsf
	15			7	18			18-14-11 N=25			
				8	18		SW	22-25-16 N=41			
	20			9	18			16-19-18 N=37			
				10	18			63-45-34 N=79	17		>>
	25			11	18	Stiff, dark gray silty CLAY, with gravel	CL	3-5-7 N=12	14		Qp=4.3 P tsf
				12	18	Medium dense to dense, gray silty SAND, trace gravel		9-19-17 N=36	9		
	30			13	14		SM	5-11-12 N=23	17		
	35			14	2	Light gray GRAVEL and rock chips *Possible Weathered Limestone Bedrock* **Spoon refusal at approximately 38 feet below existing grade.** End of boring at approximately 38 feet below existing grade.		50/2"--			>>

Completion Depth:	38.0 ft
Date Boring Started:	4/17/24
Date Boring Completed:	4/17/24
Logged By:	J.K.
Drilling Contractor:	Rubino Engineering, Inc.

Sample Types:
- Auger Cutting
- Split-Spoon
- Rock Core
- Pressuremeter
- Shelby Tube
- Grab Sample
- No Recovery

Latitude: 41.7736914
Longitude: -88.3834226
Drill Rig: Geoprobe 7822DT
Remarks: Hole collapse at ~28 feet BEG
Log Entry: J. Ignarski
Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
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LOG OF BORING BSB-08

Rubino Job No.: G24.053
Project: OVGC Bridge Replacements
Location: 2411 W Illinois Avenue
City, State: Aurora, Illinois
Client: Engineering Enterprises, Inc.

Drilling Method: 3 ¼ Hollow Stem Auger
Sampling Method: Split Spoon
Hammer Type: Automatic
Boring Location: #17 Green Bridge

WATER LEVELS***
While Drilling 11 ft
Upon Completion 4.5 ft
Delay N/A

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	Additional Remarks
	0			1	14	Approximately 12 inches of TOPSOIL: black silty clay, with roots and organic matter FILL: brown and black silty clay, with gravel		3-5-6 N=11	32	Qp=2.0 P tsf
				2	18			2-3-7 N=10	25	Qr=0.7 B tsf
	5			3	16	Black ORGANIC SILTY CLAY, trace sand and gravel	OL	3-1-2 N=3	15	21% Organic Content
				4	18	Soft, black silty CLAY, trace sand and gravel	CL	1-2-1 N=3	39	Qp=0.5 P tsf 5% Organic Content
	10			5	6	Medium stiff, gray sandy silty CLAY, with gravel	CL	2-3-3 N=6	19	Qp=0.5 P tsf 9% Organic Content
						Loose, gray gravelly SAND	SW			
				6	18	Dense, gray gravelly SAND	SW	12-13-21 N=34	5	
	15			7	18	Dark gray and black ORGANIC SILTY CLAY, with roots and organic matter	OL	20-15-10 N=25	48	10% Organic Content
				8	18	Medium dense to dense, brown and gray well-graded gravelly SAND		12-12-14 N=26	16	
	20			9	18		SW	15-18-13 N=31	15	
				10	18			12-11-13 N=24	8	
	25			11	18	Medium dense, brown and gray well-graded sandy GRAVEL, with fines		6-7-9 N=16	22	
				12	18		GW	5-10-8 N=18	18	
	30			13	18	Medium dense, brown and gray well-graded gravelly SAND	SW	35-16-12 N=28	8	
	35			14	4	Light gray GRAVEL and rock chips *Possible Weathered Limestone Bedrock* **Spoon refusal at approximately 38¾ feet below existing grade.** End of boring at approximately 38¾ feet below existing grade.		50/4"--	11	>>

STANDARD PENETRATION TEST DATA
Moisture
PL
LL
0 25 50
STRENGTH, tsf
Qu (Rimac) ✳Qp/Qr
0 2.0 4.0

Completion Depth: 38.8 ft
Date Boring Started: 4/5/24
Date Boring Completed: 4/5/24
Logged By: J.K.
Drilling Contractor: Rubino Engineering, Inc.

Sample Types:
Auger Cutting
Split-Spoon
Rock Core
Pressuremeter
Shelby Tube
Grab Sample
No Recovery

Latitude: 41.7737121
Longitude: -88.3827825
Drill Rig: Geoprobe 7822DT
Remarks:
Log Entry: J. Ignarski
Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
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LOG OF BORING BSB-09

Rubino Job No.:	G24.053	Drilling Method:	3 ¼ Hollow Stem Auger	WATER LEVELS***	
Project:	OVGC Bridge Replacements	Sampling Method:	Split Spoon	While Drilling	11.5 ft
Location:	2411 W Illinois Avenue	Hammer Type:	Automatic	Upon Completion	9 ft
City, State:	Aurora, Illinois	Boring Location:	#16 Tee Bridge	Delay	N/A
Client:	Engineering Enterprises, Inc.				

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA: Moisture / PL / LL (0, 25, 50); STRENGTH, tsf: Qu (Rimac) / Qp/Qr (0, 2.0, 4.0)	Additional Remarks
	0					Approximately 12 inches of TOPSOIL: black silty clay, with roots and organic matter					
				1	10	FILL: brown, black, and gray silty clay, trace sand and gravel		2-4-5 N=9	30		Qp=2.3 P tsf
				2	16			3-3-2 N=5	32		Qp=1.8 P tsf
	5			3	15	Medium stiff, gray silty CLAY, trace gravel *Possible Fill*	CL	2-3-4 N=7	23		Qp=2.0 P tsf
				4	10	Medium stiff, dark brown and black silty CLAY, trace roots *Possible Fill / Buried Topsoil*	CL	2-3-2 N=5	43		Qp=1.8 P tsf
	10			5	12	Loose, gray well-graded gravelly SAND	SW	1-2-7 N=9	17		
				6	15	Medium dense to dense, gray well-graded gravelly SAND		9-10-11 N=21	8		
	15			7	14			7-15-11 N=26	7		
				8	16			7-13-22 N=35	14		
	20			9	18			28-25-13 N=38	8		
				10	18		SW	18-16-17 N=33	8		
	25			11	18			21-18-18 N=36	9		
				12	14			23-13-11 N=24	11		
	30			13	18	Very dense, gray well-graded gravelly SAND		13-28-44 N=72	11		>>
	35						SW				
				14	18	Dense, gray silty SAND, with gravel	SM	6-7-42 N=49	8		
	40					End of boring at approximately 40 feet below existing grade.					

Completion Depth:	40.0 ft	Sample Types:			Latitude: 41.7678969
Date Boring Started:	4/17/24		Auger Cutting	Pressuremeter	Longitude: -88.3847838
Date Boring Completed:	4/18/24		Split-Spoon	Shelby Tube	Drill Rig: Geoprobe 7822DT
Logged By:	J.K.		Rock Core	Grab Sample	Remarks: Hole collapse at ~17 feet BEG
Drilling Contractor:	Rubino Engineering, Inc.			No Recovery	Log Entry: J. Ignarski
					Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

Rubino Engineering, Inc.
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LOG OF BORING BSB-10

Rubino Job No.:	G24.053	Drilling Method:	3 ¼ Hollow Stem Auger	WATER LEVELS***	
Project:	OVGC Bridge Replacements	Sampling Method:	Split Spoon	While Drilling	11.5 ft
Location:	2411 W Illinois Avenue	Hammer Type:	Automatic	Upon Completion	9 ft
City, State:	Aurora, Illinois	Boring Location:	#16 Tee Bridge	Delay	N/A
Client:	Engineering Enterprises, Inc.				

Station: N/A
Offset: N/A

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	Classification	SPT Blows per 6-inch	Moisture, %	STANDARD PENETRATION TEST DATA: Moisture, PL, LL (0–25–50); STRENGTH, tsf: Qu (Rimac) ✳Qp/Qr (0–2.0–4.0)	Additional Remarks
	0					Approximately 12 inches of TOPSOIL: black silty clay, with roots and organic matter					
				1	16	FILL: brown, black, and gray silty clay, trace sand and gravel		3-4-5 N=9	23		Qr=1.2 B tsf
				2	12			2-3-2 N=5	24		Qr=0.7 B tsf
	5			3	18	Medium stiff, gray silty CLAY, trace sand and gravel *Possible Fill*	CL	3-2-5 N=7	29		Qr=0.9 B tsf
				4	12	Medium stiff, brown and black silty CLAY, trace roots *Possible Fill / Buried Topsoil*	CL	4-4-5 N=9	30		Qp=2.5 P tsf
	10			5	16	Medium dense to dense, gray well-graded gravelly SAND		5-5-5 N=10	9		
				6	18			9-11-10 N=21	9		
	15			7	18			11-11-18 N=29	8		
				8	14			30-16-11 N=27	10		
	20			9	14			1-8-10 N=18	13		
				10	14		SW	16-14-18 N=32	17		
	25			11	18			10-12-12 N=24	18		
				12	18			13-8-10 N=18	9		
	30										
				13	18			21-23-15 N=38	12		
	35										
				14	6	Very dense, gray well-graded gravelly SAND	SW	5-6-44 N=50	13		
	40					End of boring at approximately 40 feet below existing grade.					

Completion Depth:	40.0 ft	Sample Types:		Latitude: 41.7676688
Date Boring Started:	4/18/24	Auger Cutting	Pressuremeter	Longitude: -88.3844955
Date Boring Completed:	4/18/24	Split-Spoon	Shelby Tube	Drill Rig: Geoprobe 7822DT
Logged By:	J.K.	Rock Core	Grab Sample	Remarks: Hole collapse at ~16 feet BEG
Drilling Contractor:	Rubino Engineering, Inc.		No Recovery	Log Entry: J. Ignarski
				Checked By: J. Ignarski

The stratification lines represent approximate boundaries. The transition may be gradual.
***Please reference the geotechnical report text for specific groundwater / dewatering recommendations.

Appendix G – Preliminary Seismic Site Class Determination

SEISMIC SITE CLASS DETERMINATION

I.D.O.T. BBS FOUNDATIONS AND GEOTECHNICAL UNIT

Modified on 12/10/10

PROJECT TITLE=====G24.053 Orchard Valley Golf Course Bridge Replacements BSB-01 through BSB-08

Substructure 1

Base of Substruct. Elev. (or ground surf for bents)	-4	ft.
Pile or Shaft Dia.	14	inches
Boring Number	BSB-01	
Top of Boring Elev.	0	ft.
Approximate Fixity Elev.	-11	ft.

Individual Site Class Definition:

N (bar):	20 (Blows/ft.)	Soil Site Class D	
N_{ch} (bar):	28 (Blows/ft.)	Soil Site Class D	<----Controls
s_u (bar):	4.29 (ksf)	Soil Site Class C	

Seismic Soil Column Depth (ft)	Bot. Of Sample Elevation	Sample Thick. (ft.)	N	Qu (tsf)	Layer Description Boundary
	-3.5	3.50	6	2.00	
	-6.0	2.50	6	1.75	
	-7.5	1.50	5	1.25	B
	-8.5	1.00	7	1.00	
	-11.0	2.50	7	1.00	
2.5	-13.5	2.50	6	1.25	
5.0	-16.0	2.50	6	1.50	
7.5	-18.5	2.50	7	3.00	
10.0	-21.0	2.50	12	4.25	B
11.0	-22.0	1.00	16	4.00	B
12.5	-23.5	1.50	10	3.25	
15.5	-26.5	3.00	10	3.25	B
17.5	-28.5	2.00	10		
20.0	-31.0	2.50	33		
22.5	-33.5	2.50	33		
25.0	-36.0	2.50	28		
27.5	-38.5	2.50	28		B
89.0	-100.0	61.50	29	5.00	R

Substructure 2

Base of Substruct. Elev. (or ground surf for bents)	-4	ft.
Pile or Shaft Dia.	14	inches
Boring Number	BSB-02	
Top of Boring Elev.	0	ft.
Approximate Fixity Elev.	-11	ft.

Individual Site Class Definition:

N (bar):	22 (Blows/ft.)	Soil Site Class D	<----Controls
N_{ch} (bar):	44 (Blows/ft.)	Soil Site Class D	
s_u (bar):	0.81 (ksf)	Soil Site Class E	

Seismic Soil Column Depth (ft)	Bot. Of Sample Elevation	Sample Thick. (ft.)	N	Qu (tsf)	Layer Description Boundary
	-3.5	3.50	4	0.50	
	-6.0	2.50	5	1.20	B
	-8.5	2.50	4	0.70	B
	-11.0	2.50	2	0.40	
2.5	-13.5	2.50	4	0.40	
5.0	-16.0	2.50	2	0.30	B
7.5	-18.5	2.50	12	2.00	
10.0	-21.0	2.50	13	3.50	
11.0	-22.0	1.00	15	2.00	B
12.5	-23.5	1.50	17	2.10	
15.0	-26.0	2.50	17	2.10	B
17.5	-28.5	2.50	30		B
20.0	-31.0	2.50	32		
22.5	-33.5	2.50	32		
25.0	-36.0	2.50	51		
27.5	-38.5	2.50	51		
89.0	-100.0	61.50	60		B

Substructure 3

Base of Substruct. Elev. (or ground surf for bents)	-4	ft.
Pile or Shaft Dia.	14	inches
Boring Number	BSB-03	
Top of Boring Elev.	0	ft.
Approximate Fixity Elev.	-11	ft.

Individual Site Class Definition:

N (bar):	36 (Blows/ft.)	Soil Site Class D	
N_{ch} (bar):	51 (Blows/ft.)	Soil Site Class C	<----Controls
s_u (bar):	2.97 (ksf)	Soil Site Class C	

Seismic Soil Column Depth (ft)	Bot. Of Sample Elevation	Sample Thick. (ft.)	N	Qu (tsf)	Layer Description Boundary
	-3.5	3.50	7	1.75	
	-6.0	2.50	6	2.00	B
	-8.5	2.50	2	0.60	B
	-11.0	2.50	6	0.70	
2.5	-13.5	2.50	9	2.50	
5.0	-16.0	2.50	10	3.00	B
7.5	-18.5	2.50	16	4.50	
10.0	-21.0	2.50	21	4.50	
11.0	-22.0	1.00	20	4.50	B
12.5	-23.5	1.50	20	2.10	
15.0	-26.0	2.50	28	2.10	B
17.5	-28.5	2.50	59		B
20.0	-31.0	2.50	72		
22.5	-33.5	2.50	72		
25.0	-36.0	2.50	33		
27.5	-38.5	2.50	33		B
89.0	-100.0	61.50	50		B

Substructure 4

Base of Substruct. Elev. (or ground surf for bents)	-4	ft.
Pile or Shaft Dia.	14	inches
Boring Number	BSB-04	
Top of Boring Elev.	0	ft.
Approximate Fixity Elev.	-11	ft.

Individual Site Class Definition:

N (bar):	31 (Blows/ft.)	Soil Site Class D	
N_{ch} (bar):	45 (Blows/ft.)	Soil Site Class D	<----Controls
s_u (bar):	2 (ksf)	Soil Site Class D	

Seismic Soil Column Depth (ft)	Bot. Of Sample Elevation	Sample Thick. (ft.)	N	Qu (tsf)	Layer Description Boundary
	-3.5	3.50	5	1.50	
	-6.0	2.50	8	1.90	
	-8.5	2.50	13	1.90	B
	-11.0	2.50	20		B
2.5	-13.5	2.50	6	0.50	
5.0	-16.0	2.50	9	0.50	
7.5	-18.5	2.50	12	0.50	B
10.0	-21.0	2.50	14	0.50	
12.5	-23.5	2.50	22	0.50	B
15.0	-26.0	2.50	16	1.50	B
17.5	-28.5	2.50	21		
20.0	-31.0	2.50	25		
22.5	-33.5	2.50	25		B
25.0	-36.0	2.50	49	1.90	B
89.0	-100.0	64.00	50	5.00	R

Global Site Class Definition:

N (bar):	27 (Blows/ft.)	Soil Site Class D	
N_{ch} (bar):	38 (Blows/ft.)	Soil Site Class D	<----Controls
s_u (bar):	3.19 (ksf)	Soil Site Class C	

SEISMIC SITE CLASS DETERMINATION

I.D.O.T. BBS FOUNDATIONS AND GEOTECHNICAL UNIT

Modified on 12/10/10

PROJECT TITLE=====G24.053 Orchard Valley Golf Course Bridge Replacements BSB-09 and BSB-10

Substructure 1

Base of Substruct. Elev. (or ground surf for bents)	-4	ft.
Pile or Shaft Dia.	14	inches
Boring Number	BSB-09	
Top of Boring Elev.	0	ft.
Approximate Fixity Elev.	-11	ft.

Individual Site Class Definition:

N (bar): 38 (Blows/ft.) Soil Site Class D
N_{ch} (bar): 40 (Blows/ft.) Soil Site Class D <----Controls
s_u (bar): (ksf) NA, H < 0.1*H (Soil)

Seismic Soil Column Depth (ft)	Bot. Of Sample Elevation	Sample Thick. (ft.)	N	Qu (tsf)	Layer Description Boundary
	-3.5	3.50	9	2.25	
	-6.0	2.50	5	1.75	B
	-8.5	2.50	7	2.00	B
0.5	-11.5	3.00	5	1.75	B
2.5	-13.5	2.00	9		B
5.0	-16.0	2.50	21		
7.5	-18.5	2.50	26		
10.0	-21.0	2.50	35		
12.5	-23.5	2.50	38		
15.0	-26.0	2.50	33		
17.5	-28.5	2.50	36		
20.0	-31.0	2.50	24		
22.5	-33.5	2.50	24		B
25.0	-36.0	2.50	72		
27.5	-38.5	2.50	72		B
89.0	-100.0	61.50	49		B

Substructure 2

Base of Substruct. Elev. (or ground surf for bents)	-4	ft.
Pile or Shaft Dia.	14	inches
Boring Number	BSB-10	
Top of Boring Elev.	0	ft.
Approximate Fixity Elev.	-11	ft.

Individual Site Class Definition:

N (bar): 38 (Blows/ft.) Soil Site Class D <----Controls
N_{ch} (bar): 38 (Blows/ft.) Soil Site Class D
s_u (bar): (ksf) NA

Seismic Soil Column Depth (ft)	Bot. Of Sample Elevation	Sample Thick. (ft.)	N	Qu (tsf)	Layer Description Boundary
	-3.5	3.50	9	1.20	
	-6.0	2.50	5	0.70	B
	-8.5	2.50	7	0.90	B
	-11.0	2.50	9	2.50	B
2.5	-13.5	2.50	10		
5.0	-16.0	2.50	21		
7.5	-18.5	2.50	29		
10.0	-21.0	2.50	27		
12.5	-23.5	2.50	18		
15.0	-26.0	2.50	32		
17.5	-28.5	2.50	24		
20.0	-31.0	2.50	18		
22.5	-33.5	2.50	18		
25.0	-36.0	2.50	38		
27.5	-38.5	2.50	38		B
89.0	-100.0	61.50	50		B

Substructure 3

Base of Substruct. Elev. (or ground surf for bents)		ft.
Pile or Shaft Dia.		inches
Boring Number		
Top of Boring Elev.		ft.
Approximate Fixity Elev.		ft.

Individual Site Class Definition:

N (bar): (Blows/ft.) NA
N_{ch} (bar): (Blows/ft.) NA
s_u (bar): (ksf) NA

Seismic Soil Column Depth (ft)	Bot. Of Sample Elevation	Sample Thick. (ft.)	N	Qu (tsf)	Layer Description Boundary

Substructure 4

Base of Substruct. Elev. (or ground surf for bents)		ft.
Pile or Shaft Dia.		inches
Boring Number		
Top of Boring Elev.		ft.
Approximate Fixity Elev.		ft.

Individual Site Class Definition:

N (bar): (Blows/ft.) NA
N_{ch} (bar): (Blows/ft.) NA
s_u (bar): (ksf) NA

Seismic Soil Column Depth (ft)	Bot. Of Sample Elevation	Sample Thick. (ft.)	N	Qu (tsf)	Layer Description Boundary

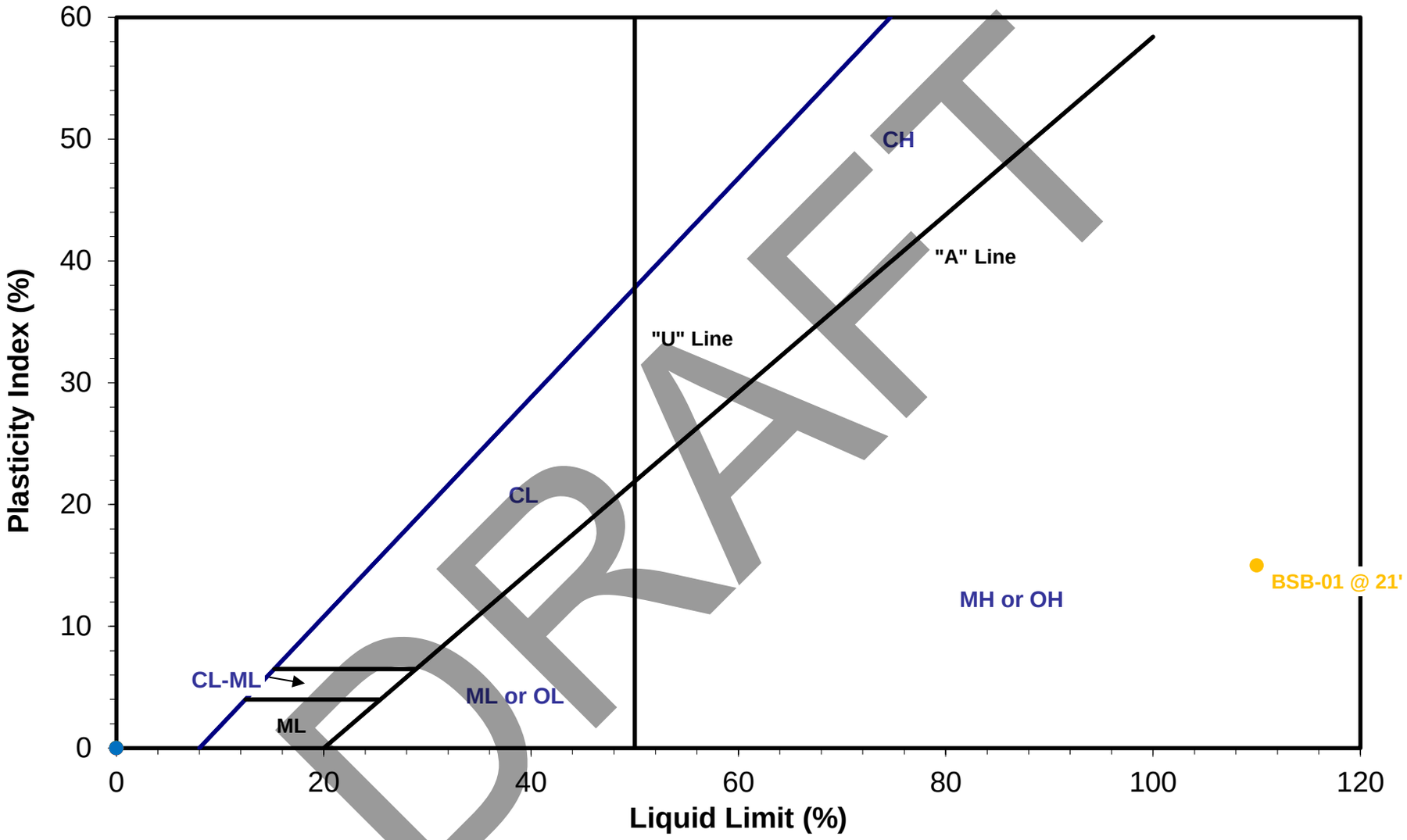
Global Site Class Definition:

N (bar): 38 (Blows/ft.) Soil Site Class D
N_{ch} (bar): 39 (Blows/ft.) Soil Site Class D <----Controls
s_u (bar): (ksf) NA, H < 0.1*H (Total)

Appendix H – Laboratory Results

rubino ENGINEERING INC.

Report of Atterberg Limits Test (ASTM D4318 / AASHTO T89 / AASHTO T90)



Boring #	BSB-01 @ 21'					
LL	110					
PL	95					
PI	15					

Project: OVGC Bridge Replacements
Location: Aurora, Illinois
Client: Engineering Enterprises, Inc.
Project #: G24.053

BLUFF CITY MATERIALS, INC

2252 SOUTHWIND BLVD
BARTLETT, IL 60103

10 October 2024

Anthony Tomaras
Rubino Engineering, Inc.
425 Shepard Drive
Elgin, IL 60123
Phone: 847-931-1555
Cell: 224-769-7022
Via Email: anthony@rubinoeng.com

Re: Letter of Acceptance
Orchard Valley Golf Course Bridge Replacement Project

Dear Mr. Tomaras:

Bluff City Materials has reviewed the Rubino Engineering LPC-662 and supporting documents for the project located at 2411 W. Illinois Ave. in Aurora, IL. Based on the project information provided in your certification, Bluff City Materials agrees to accept the CCDD certified material at our facilities located on Lorang Rd. in Elburn, IL. Note this letter pertains only to the bridge replacements at that location as shown on pages 6-9 maps.

Bluff City Materials is permitted by the IEPA to accept this material and our IEPA Permit number is CCDD2011-015-DE/OP. All loads entering the facility are inspected visually, with a photo ionization detector (PID) meter, and manifested from the source location. Our facilities comply with all local zoning codes and all applicable local, state and federal rules and regulations.

Please note that the awarded contractor will need to complete the page 2 fill application form, submit this letter, and the completed application to andyp@grp7.com for project setup.

If you have any questions, please contact me at 630.497.8700 x 289.

Sincerely,

Andy Paxson
Bluff City Materials
Environmental Assessments

BLUFF CITY MATERIALS

RELIABLE

Dirt/Fill Questions? (630) 497-8700 x 3

Incoming Fill Application

Facility Applied For:

- ☐ Lyons - 4401 S. 1st Ave., Lyons, IL 60534
- ☐ Pulaski - 3741 S. Pulaski Rd., Chicago, IL 60623
- ☐ Thornton - 610 183rd St., Thornton, IL 60476
- ☐ Grand Avenue - 4613 W. Grand Ave., Chicago, IL 60639
- ☐ Bartlett - 1245 Gifford Rd., Elgin, IL 60120
- ☐ Lake in the Hills - 8813 Route 31, Lake in the Hills, IL 60156
- ☐ South Beloit - 4525 Prairie Hill Rd., South Beloit, IL 61080
- ☐ Creekside/Lorang - 2S785 Lorang Rd. Elburn, IL 60119

Project Information:

Project Address_____Project Name_____

City _____ State ____ Zip _____

Scope of Work: _____

_____

Type of Incoming Material

- ☐ *Uncontaminated Soil
- ☐ Brick/Block
- ☐ Reclaimed Asphalt Pavement
- ☐ Concrete w/o Protruding Metal
- ☐ Other: _____

Sales Tax Exempt ☐ **Yes (Attach Documentation)** ☐ **No**

Purchase Order # _____

Contract # _____

Anticipated Load Quantity _____

Misc Project Information:

General Contractor _____

Gen. Contractor Business Address _____

Gen. Contractor Phone # _____

IEPA CERTIFICATION ATTACHED* Required for Uncontaminated Soil**:**

☐ LPC-662 Form (No Known Environmental Concerns) **OR** ☐ LPC-663 Form (Potentially Impacted by Environmental Concerns)

Customer Information:

Company Name _____

Mailing Address _____

City _____ State _____ Zip _____

Phone Number _____ Fax or Email _____

Printed Name _____

Signature _____

Title _____

Today's Date _____

Email to fill@reliablematerials.com OR Fax to 630-524-9020

Revised February 2024

Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Source Site Certification
by Owner or Operator
for Use of Uncontaminated Soil as Fill in a
CCDD or Uncontaminated Soil Fill Operation
LPC-662

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by source site owners and operators to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(A), that soil (i) was removed from a site that is not potentially impacted property and is presumed to be uncontaminated soil and (ii) is within a pH range of 6.25 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Orchard Valley Golf Course Bridge Replacements Office Phone Number, if available: _____

Physical Site Location (Street, Road): OVGC Golf Course Bridges at 2411 W Illinois Avenue. See attached Report.

City: Aurora State: IL Zip Code: 60506 County: Kane

Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.77484 (Decimal Degrees) Longitude: - 88.38324 (-Decimal Degrees)

Identify how the lat/long data were determined:

○ GPS ⊘ Map Interpolation ○ Photo Interpolation ○ Survey ○ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): _____ Approximate End Date (mm/dd/yyyy): _____

Estimated Volume of debris (cu. Yd.): _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Fox Valley Park District	Name:	
Street Address:	101 W. Illinois Avenue	Street Address:	
PO Box:		PO Box:	
City:	Aurora State: IL	City:	State:
Zip Code:	60506 Phone:	Zip Code:	Phone:
Contact:		Contact:	
Email, if available:		Email, if available:	

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: Orchard Valley Golf Course Bridge Replacements Latitude: 41.77484 Longitude: -88.38324

Source Site Certification

III. Descriptions of Current and Past Uses of Source Site

Describe the current and past uses of the site and nearby properties.* Attach additional information as needed. The description must take into account, at a minimum, the following for the source site and for nearby property: (1) use of the properties for commercial or industrial purposes; (2) the use, storage or disposal of chemical or petroleum products in individual containers greater than 5 gallons or collectively more than 50 gallons; (3) the current or past presence of any storage tanks (above ground or underground); (4) any waste storage, treatment or disposal at the properties; (5) any reported releases or any environmental cleanup or removal of contaminants; (6) any environmental liens or governmental notification of environmental violations; (7) any contamination in a well that exceeds the Board's groundwater quality standards; (8) the use, storage, or disposal of transformers or capacitors manufactured before 1979; and (9) any fill dirt brought to the properties from an unknown source or site.

Number of pages attached: 81

Prior to a site investigation, an Environmental Database Review (EDR) was conducted for the project area. Based on the EDR ten (10) soil samples (BSB-01 through BSB-10) were collected through out the project area and were tested for pH. Refer to attached Summary Letter.

*The description must be sufficient to demonstrate that the source site is not potentially impacted property, thereby allowing the source site owner or operator to provide this certification.

IV. Soil pH Testing Results

Describe the results of soil pH testing showing that the soil pH is within the range of 6.25 to 9.0 and attach any supporting documentation.

Number of pages attached: 1

Ten (10) samples were collected and tested for pH. Results for all ten (1) samples were within the range of 6.25 to 9.0 . Please refer to pH Results in Appendix A.2

V. Source Site Owner, Operator or Authorized Representative's Certification Statement and Signature

In accordance with the Illinois Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I Anthony Tomaras - Rubino Engineering, Inc. (owner, operator or authorized representataive of source site) certify that this site is not a potentially impacted property and the soil is presumed to be uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. I further certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. Additionally, I certify that I am either the site owner or operator or a duly authorized representative of the site owner or site operator and am authorized to sign this form. Furthermore, I certify that all information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

○ Owner ☑ Owner's Duly Authorized Representative ○

Anthony Tomaras - Rubino Engineering, Inc.
Printed Name

10-10-24
Date

Signature

ENVIRONMENTAL SUMMARY REPORT

October 10, 2024

To: Curtis P. Dettmann, P.E.
Senior Project Manager
Engineering Enterprises, Inc.
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6769

Re: **CCDD Testing Summary Report**
Orchard Valley Golf Course Bridge Replacements
2411 W Illinois Avenue
Aurora, Illinois

Rubino Report No. G24.053

Via email: CDettmann@eeiweb.com

Dear Mr. Dettmann,

Rubino Engineering, Inc. (Rubino) is pleased to submit the following report to provide a summary of the CCDD testing for the above referenced project.

This report contains the following:

- *Summary of Environmental Database Review*
- *Summary of field and laboratory tests performed*
- *Summary of laboratory test results*
- *Illinois Environmental Protection Agencies LPC 662 Certificate*

ENVIROMENTAL DATABASE REVIEW

The project site is Orchard Valley Golf Course located at 2411 W Illinois Avenue in Aurora, Illinois. A map of the project location can be found in **Appendix A.1**. Prior to a site investigation, an Environmental Database Review (EDR) was conducted and the report is included as **Appendix A.3**. After reviewing the EDR report, Rubino. did not find any records of potentially impacted properties in close proximity to the project site that posed an environmental risk.

Based on the fact there were no records of potentially impacted properties in close proximity to the project site that posed an environmental risk, it was determined the project site is not a “potentially impacted property” and therefore only pH sampling of the project site was necessary.

Certification Limits

The LPC 662 Certification Limits include the following locations at Orchard Valley Golf Course in Aurora, Illinois.

- **Hole #1 Green Bridge** *(BSB-01 & BSB-02)*
- **Hole #2 Tee Bridge** *(BSB-03 & BSB-04)*
- **Hole #4 Tee Bridge** *(BSB-05 & BSB-06)*
- **Hole #17 Green Bridge** *(BSB-07 & BSB-08)*
- **Hole #16 Tee Bridge** *(BSB-09 & BSB-10)*

SOIL SAMPLING

During the month of April 2024, Rubino mobilized to the project site to collect soil samples. The sampling locations can be found in **Appendix A.1**. Ten (10) soil samples (BSB-01 through BSB-10) were collected to an approximate depth of 40 feet below existing grade. The ten (10) samples were submitted for pH testing at Rubino.

RESULTS

Lab analysis found that the soil samples were within the allowable pH range of 6.25 to 9.0.

The pH lab analysis results and complete reports can be found in **Appendix A.2**.

Based on the results of the laboratory testing performed, an **IEPA LPC #662 (CCDD) Certificate was issued**.

CLOSING

Rubino appreciates the opportunity to provide Clean Construction Demolition Debris (CCDD) services for this project and we look forward to continued participation during the design and in future construction phases of this project.

If you have questions pertaining to this summary report, or if Rubino may be of further service, please contact our office at (847) 931-1555.

Respectfully submitted,

RUBINO ENGINEERING, INC.

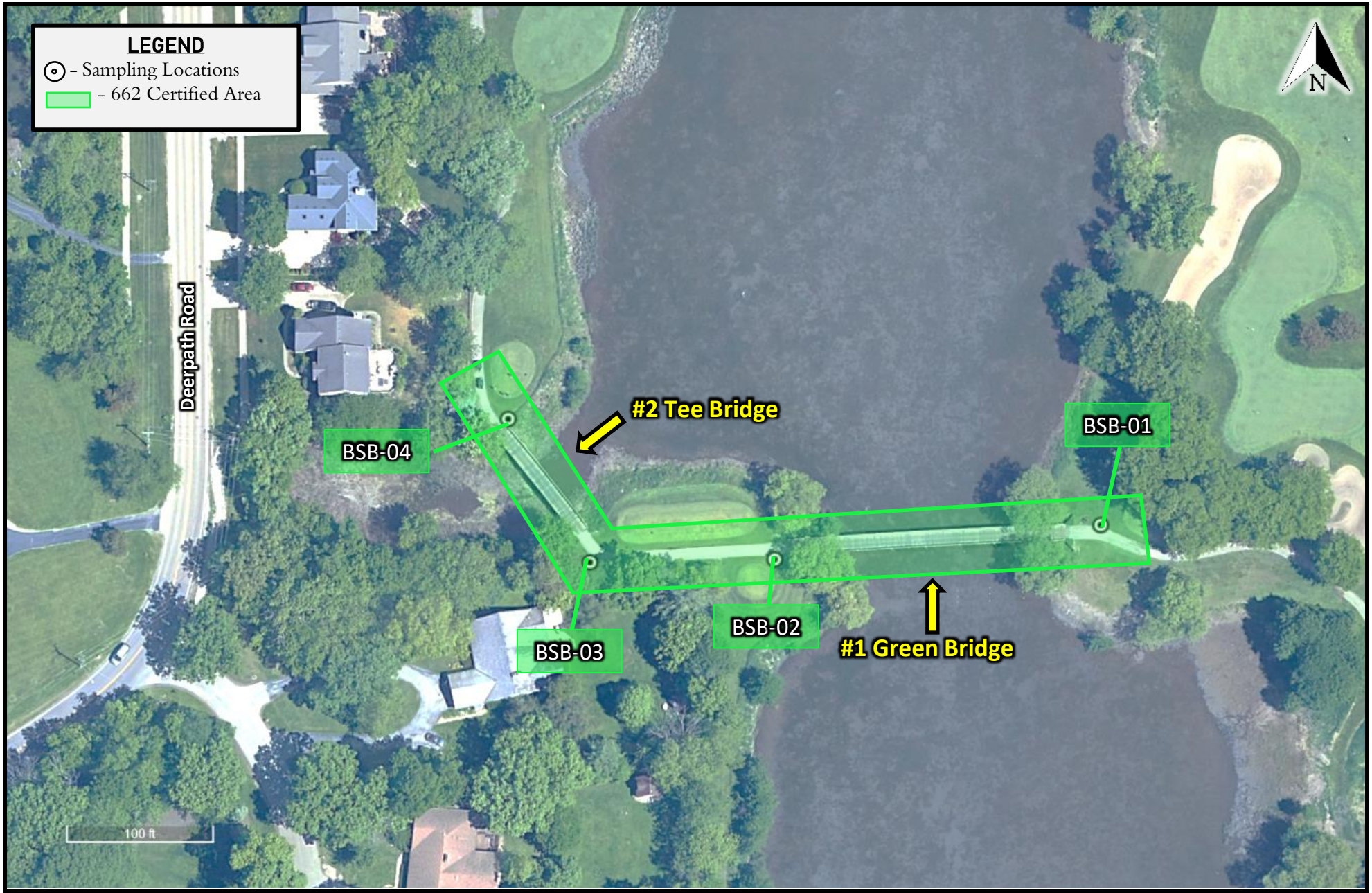
Michelle A. Lipinski, PE
President

michelle.lipinski@rubinoeng.com

MAL/file/ Enclosures

Appendix Contents

APPENDIX A.1 – SITE MAPS



rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**OVGC Bridge Replacements**
Project Location:	Orchard Valley Golf Course 2411 W Illinois Avenue - Aurora, Illinois
Client:	**Engineering Enterprises, Inc.**
Rubino Project # :	G24.053

CCDD Testing Plan 1

rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**OVGC Bridge Replacements**
Project Location:	Orchard Valley Golf Course 2411 W Illinois Avenue - Aurora, Illinois
Client:	**Engineering Enterprises, Inc.**
Rubino Project # :	G24.053

CCDD Testing Plan 2

rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**OVGC Bridge Replacements**
Project Location:	Orchard Valley Golf Course 2411 W Illinois Avenue - Aurora, Illinois
Client:	**Engineering Enterprises, Inc.**
Rubino Project # :	G24.053

CCDD Testing Plan 3

rubino ENGINEERING INC.

425 Shepard Drive
Elgin, Illinois 60123

Project Name:	**OVGC Bridge Replacements**
Project Location:	Orchard Valley Golf Course 2411 W Illinois Avenue - Aurora, Illinois
Client:	**Engineering Enterprises, Inc.**
Rubino Project # :	G24.053

CCDD Testing Plan 4

APPENDIX A.2 – pH RESULTS

ASTM D4972-01
Standard Test Method for pH of Soils

rubino ENGINEERING INC.

		Date:	8-Oct-24
Project Number:	G24.053	**Performed by:**	Myrna Fleege
Project Name:	Orchard Valley Golf Course Bridge Replacements	**Title:**	Laboratory Technician
		Signature:	MyFleege
City, State:	Aurora, Illinois	**Client:**	Engineering Enterprises, Inc
Method Used:	ASTM D4972-01 Method A Calcium Chloride Solution (0.01M)	**Client Address:**	52 Wheeler Road Sugar Grove, Illinois
pH Meter Mfgr:	Ohaus Corporation	**Prior Calibration:**	1/4/24 @ 8:15am
Model #	ST Series PH Analysis Pen	**Calibration:**	4/3/24 @ 1:35pm

Location	Sample Type	Mass of Soil (g)	pH in Calcium Chloride Solution	pH in Distilled Water
BSB-01	Grab	10	8.1	8.3
BSB-02	Grab	10	7.6	7.9
BSB-03	Grab	10	7.6	7.8
BSB-04	Grab	10	7.4	7.7
BSB-05	Grab	10	8.1	8.3
BSB-06	Grab	10	8.1	8.4
BSB-07	Grab	10	8.3	8.7
BSB-08	Grab	10	7.9	8.2
BSB-09	Grab	10	8.0	8.2
BSB-10	Grab	10	7.8	8.1

APPENDIX A.3– ERIS DATABASE REPORT

DATABASE REPORT

Project Property:	*41.77719289506812, -88.3829430023349 W* *41.77719289506812, -88.3829430023349 Aurora IL 60506*
Project No:	
Report Type:	*Screen Report Plus*
Order No:	*24101000462*
Requested by:	*Bluff City Materials, Inc*
Date Completed:	*October 10, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:		*41.77719289506812, -88.3829430023349W* *41.77719289506812, -88.3829430023349 Aurora IL 60506*
Project No:		
Coordinates:		
	Latitude:	*41.7771929*
	Longitude:	*-88.382943*
	UTM Northing:	*4,625,962.89*
	UTM Easting:	*385,068.01*
	UTM Zone:	*16T*
Elevation:		*671 FT*

Order Information:

Order No:	*24101000462*
Date Requested:	*October 10, 2024*
Requested by:	*Bluff City Materials, Inc*
Report Type:	*Screen Report Plus*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*

Executive Summary: Report Summary

Database	Searched	Project Property	Within 0.250mi	Total
Standard Environmental Records				
Federal				
NPL	Y	0	0	0
PROPOSED NPL	Y	0	0	0
DELETED NPL	Y	0	0	0
SEMS	Y	0	0	0
ODI	Y	0	0	0
SEMS ARCHIVE	Y	0	0	0
CERCLIS	Y	0	0	0
IODI	Y	0	0	0
CERCLIS NFRAP	Y	0	0	0
CERCLIS LIENS	Y	0	0	0
RCRA CORRACTS	Y	0	0	0
RCRA TSD	Y	0	0	0
RCRA LQG	Y	0	0	0
RCRA SQG	Y	0	0	0
RCRA VSQG	Y	0	0	0
RCRA NON GEN	Y	0	0	0
RCRA CONTROLS	Y	0	0	0
FED ENG	Y	0	0	0
FED INST	Y	0	0	0
LUCIS	Y	0	0	0
NPL IC	Y	0	0	0
ERNS 1982 TO 1986	Y	0	0	0
ERNS 1987 TO 1989	Y	0	0	0
ERNS	Y	0	0	0
FED BROWNFIELDS	Y	0	0	0
FEMA UST	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
FRP	Y	0	0	0
DELISTED FRP	Y	0	0	0
HIST GAS STATIONS	Y	0	0	0
REFN	Y	0	0	0
BULK TERMINAL	Y	0	0	0
SEMS LIEN	Y	0	0	0
SUPERFUND ROD	Y	0	0	0
DOE FUSRAP	Y	0	0	0
State				
SSU	Y	0	0	0
DELISTED SSU	Y	0	0	0
SWF/LF	Y	0	0	0
SWF/LF SPECIAL	Y	0	0	0
NIPC	Y	0	0	0
CCDD	Y	0	0	0
LUST	Y	0	0	0
LUST DOCUMENT	Y	0	0	0
DELISTED LUST	Y	0	0	0
LUST TRUST	Y	0	0	0
UST	Y	0	0	0
AST	Y	0	0	0
DELISTED TANK	Y	0	0	0
ENG	Y	0	0	0
INST	Y	0	0	0
AUL	Y	0	0	0
SRP	Y	0	0	0
REM ASSESS	Y	0	0	0
BROWNFIELDS	Y	0	0	0
BROWN MBRGP	Y	0	0	0
Tribal				
INDIAN LUST	Y	0	0	0
INDIAN UST	Y	0	0	0
DELISTED INDIAN LST	Y	0	0	0
DELISTED INDIAN UST	Y	0	0	0

County ***No County databases were selected to be included in the search.***

Additional Environmental Records

Database	Searched	Project Property	Within 0.250mi	Total
Federal				
PFAS GHG	Y	0	0	0
OSC RESPONSE	Y	0	0	0
FINDS/FRS	Y	0	0	0
TRIS	Y	0	0	0
HMIRS	Y	0	0	0
NCDL	Y	0	0	0
TSCA	Y	0	0	0
HIST TSCA	Y	0	0	0
FTTS ADMIN	Y	0	0	0
FTTS INSP	Y	0	0	0
PRP	Y	0	0	0
SCRD DRYCLEANER	Y	0	0	0
ICIS	Y	0	0	0
FED DRYCLEANERS	Y	0	0	0
DELISTED FED DRY	Y	0	0	0
FUDS	Y	0	0	0
FUDS MRS	Y	0	0	0
FORMER NIKE	Y	0	0	0
PIPELINE INCIDENT	Y	0	0	0
MLTS	Y	0	0	0
HIST MLTS	Y	0	0	0
MINES	Y	0	0	0
SMCRA	Y	0	0	0
MRDS	Y	0	0	0
LM SITES	Y	0	0	0
ALT FUELS	Y	0	0	0
CONSENT DECREES	Y	0	0	0
AFS	Y	0	0	0
SSTS	Y	0	0	0
PCBT	Y	0	0	0
PCB	Y	0	0	0
State				
SPILLS	Y	0	0	0
SPILL OER	Y	0	0	0
DRYCLEANERS	Y	0	0	0
DELISTED DRYCLEANERS	Y	0	0	0
IEPA DOCS	Y	0	0	0
CDL	Y	0	0	0
TIER 2	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
AIR PERMITS	Y	0	0	0
UIC	Y	0	0	0
MEDICAL WASTE	Y	0	0	0
COMPOST	Y	0	0	0

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Total:	*0*	*0*	*0*

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

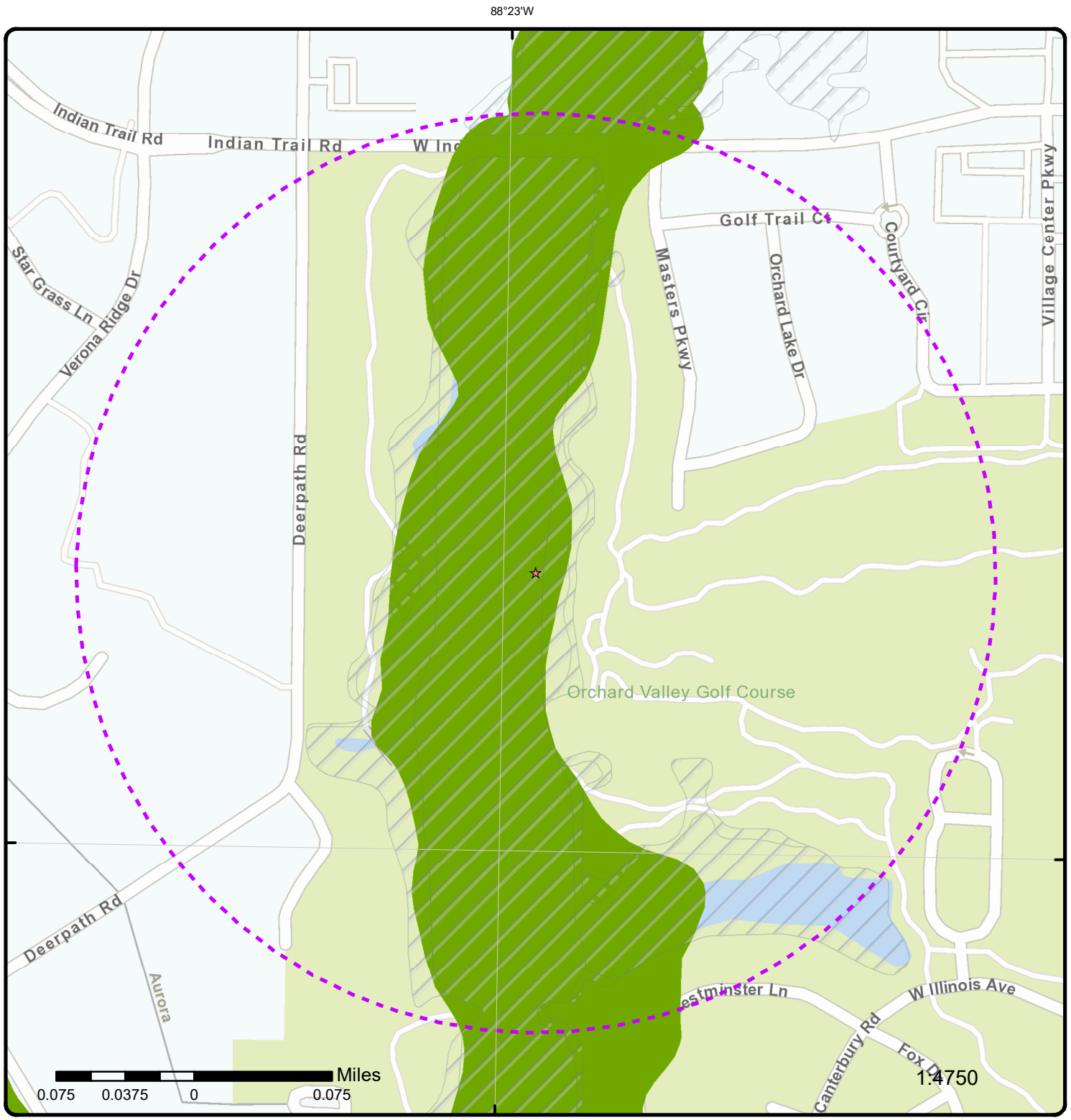
Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the surrounding properties.

Executive Summary: Summary by Data Source

No records found in the selected databases for the project property or surrounding properties.



Map: 0.25 Mile Radius

Order Number: 24101000462

Address: 41.77719289506812, -88.3829430023349, Aurora, IL

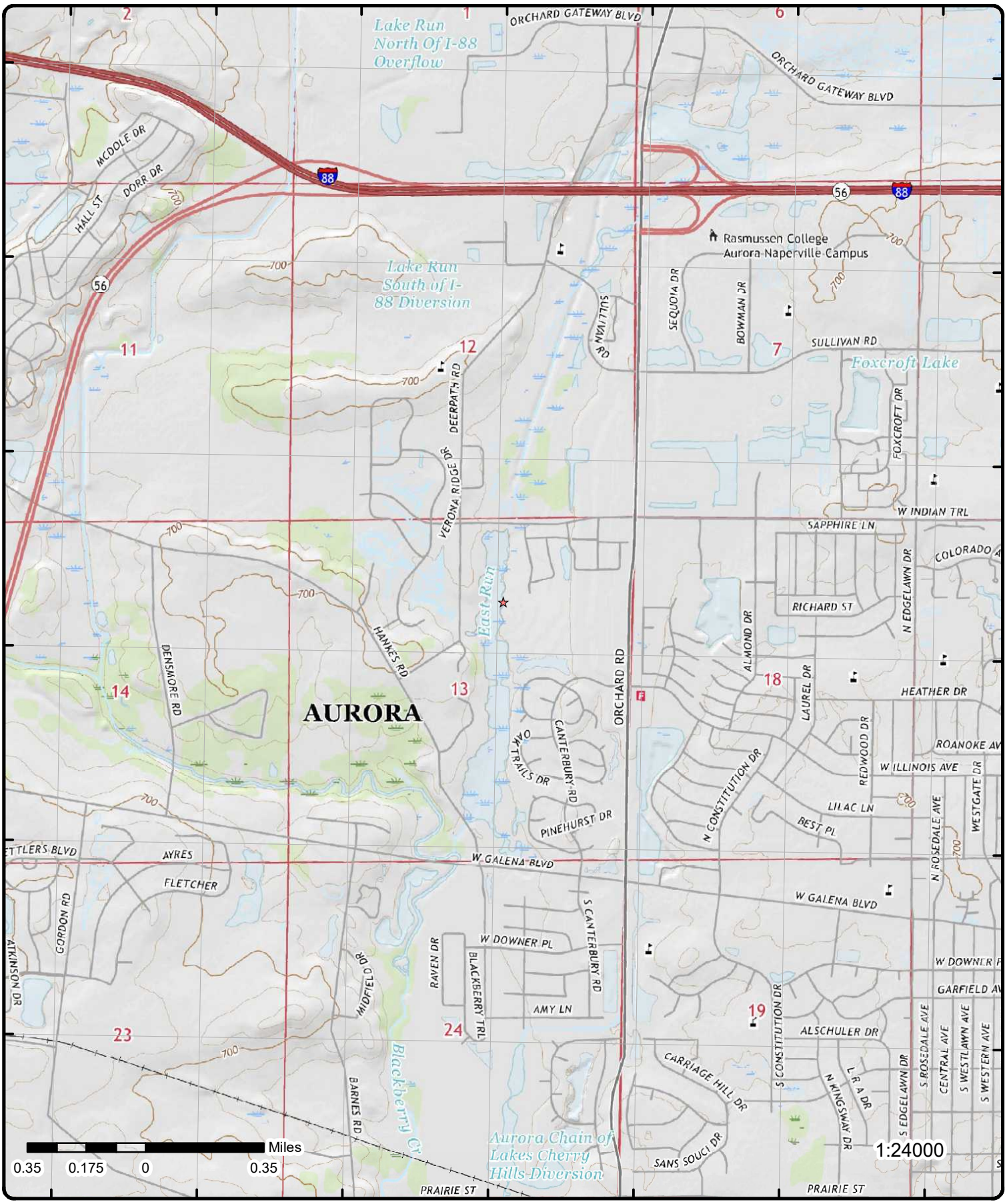
- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Aerial **Year: 2024**

Order Number: 24101000462

Address: 41.77719289506812, -88.3829430023349, Aurora, IL

Source: ESRI World Imagery



Topographic Map

Year: 2021

Order Number: 24101000462

Address: 41.77719289506812, -88.3829430023349, IL

Quadrangle(s): Aurora North IL, Sugar Grove IL

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

No records found in the selected databases for the project property or surrounding properties.

Unplottable Summary

Total: 3 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
FINDS/FRS	FARMSITE	5S990 DEERPATH RD	AURORA IL	60506	817475545
REM ASSESS	Spotsgard Cleaners	316 W Indian Trail Rd	Aurora IL	60506	923150013
SPILLS	Corbin Stearman	2422 Courtyard Circle Apt#3	Aurora IL		875132461

Unplottable Report

Site: ***FARMSITE***
5S990 DEERPATH RD AURORA IL 60506

FINDS/FRS

Registry ID:	110037156733
FIPS Code:	17089
HUC Code:	07120007
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	23-OCT-08
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	14
Census Block Code:	170898545032014
EPA Region Code:	05
County Name:	KANE
US/Mexico Border Ind:	
Latitude:	41.79188
Longitude:	-88.38083
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110037156733
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

ACES:170001650782

Site: ***Spotsgard Cleaners***
316 W Indian Trail Rd Aurora IL 60506

REM ASSESS

Name (Map):	Spotsgard Cleaners	***Name (Web):***	Spotsgard Cleaners - 170000352605
Addr (Map):	316 W Indian Trail Rd	***Addr (Web):***	316 W Indian Trail Rd
City (Map):	Aurora	***City (Web):***	Aurora
State (Map):	IL	***State (Web):***	IL
Postal (Map):	60506	***Zip (Web):***	60506

Note: Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://external.epa.illinois.gov/DocumentExplorer

Data Source: IEPA Document Explorer - Geographic Search (Map); IEPA Document Explorer - Facility/Site Search (Web)

IEPA Document Explorer

Site ID:	170000352605	***Originating Bureau:***	Bureau of Land
Program ID:	0434075013	***Document Count:***	4
Category:	Site Remediation - Technical	***Total Pages:***	192

Category URL: https://docuware67.illinois.gov/DocuWare/PlatformRO/WebClient/3/Integration?

IEPA Document Explorer (Map Search)

Site ID:	170000352605	***Document Indicator:***	No
System ID:	0434075013	***Latitude:***	41.781864
Interest Type:	BOL	***Longitude:***	-88.318534
Media Code:	LAND	***X:***	-88.31853399999994
Collection Date:	03/05/2009	***Y:***	41.78186400000004
Revision Date/Time:	06/30/2003		

Site: ***Corbin Stearman***
2422 Courtyard Circle Apt#3 Aurora IL

SPILLS

Incident No:	H-2018-1032	***County:***	Kane
Date/Time Occurred:		***Latitude:***	
Media Release:	Ground, Water	***Longutude:***	
Facility Manager:			
Fac Manager Phone:			
Responsible Party Street:	2422 Courtyard Circle Apt#3		
Area Involved:	Fixed Facility		
Milepost:			
Section:			
Township:			
Range:			

Hazardous Materials Incident Report

Incident Report Dt:	10/31/2018 12:40:30 PM	***County:***	Kane
Data Input Status:	Closed	***Entered by:***	Shelbourne, Lisa (IEMA)
LUST?:	No	***Date Entered:***	
Hazmat Incident Type:	Leak or spill		
Caller:	Todd McChurch		
Caller Represents:	Aurora Fire Dept		
Street Address:	2422 Courtyard Circle Apt#3		
City:	Aurora		
URL:	https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=H-2018-1032		
Narrative:			

The resident at the above address was changing his oil on his vehicle. Once he was done he poured aprox. 2 quarts of motor oil down the sewer drain outside. The motor oil has since gotten into the retention pond at Orchard Valley Golf course. The fire dept is trying to contain to the one pond because they have another retention pond that is connected to it. No fish kill at this time but there is a sheen on the one retention pond.

Follow Up Information:

Weather Information

Temp:	n/a
Wind:	n/a

Materials Involved

Name:	Motor Oil
Type:	Liquid
CHRIS CODE:	Unknown
CAS No:	Unknown
UN/NA No:	Unknown
Container Type:	Motor Oil containers
Container Size:	1 Quarts
Amount Released:	2 quarts
Rate of Release Min:	Unknown
Duration of Release:	Unknown
Cause of Release:	intentional
Est Spill Extent:	Unknown

Spill Extent Units:	
Date/Time Inc Occur:	
Unknown Occurr:	
Date/Time Discov:	2018-10-31 11:00
Unknown Discovered:	
Where Taken:	
On Scene Contact:	Todd McChurch
No of People Evacuat:	0
A 302(a) Extremely Haz Sub?:	Unknown
A RCRA Hazardous Waste?:	Unknown
A RCRA Regulated Facility?:	No
Public Health Risks:	none
State Agency Assistance:	Would like to speak to IEPA
Containment/Cleanup Plans:	Still under investigations

Emergency Units Contacted

Contacted ESDA?:	
ESDA on Scene?:	
Spec ESDA Agency:	
Contacted Fire Dep?:	
Fire Dep on Scene?:	Yes
Name of Fire Dep:	Aurora Fire Dept
Police Dep Contact?:	
Police Dep on Scene:	
Name of Police Dep:	
Sheriff Police Dep?:	
Sheriff Dep on Scene:	
Name of Sheriff Dep:	
Other Agency?:	
Agency on Scene?:	
Name of Agency:	

Agency or Persons Notified

Agency:	IEPA, NRTP, OSFM and Region 3
Date/Time:	2018-10-31 12:40
Name of Person:	Emailed
Notification Action:	Report Sent

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool.

Government Publication Date: May 22, 2024

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: May 22, 2024

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means 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 this site on the National Priorities List (NPL). This 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 a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Apr 8, 2024

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Apr 8, 2024

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Apr 8, 2024

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Apr 8, 2024

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Apr 8, 2024

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Apr 8, 2024

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Apr 8, 2024

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made availabe by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jun 26, 2024

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jun 26, 2024

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Apr 22, 2024

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Apr 28, 2024

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Feb 7, 2024

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: Jan 9, 2024

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Jan 9, 2024

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

Government Publication Date: Jun 6, 2024

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Jun 6, 2024

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: May 22, 2024

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Mar 27, 2024

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

State Response Action Program Database: SSU

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. The State Response Action Program database made available by Illinois Environmental Protection Agency. This database is state equivalent CERCLIS.

Government Publication Date: Aug 3, 2023

Delisted State Response Action Program: DELISTED SSU

List of sites removed from the State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit.

Government Publication Date: Aug 3, 2023

Solid Waste Landfills Subject to State Surcharge Database: SWF/LF

The Bureau of Land maintains a list of solid waste facilities and landfills throughout the state. This list made available by Illinois Environmental Protection Agency's Bureau of land.

Government Publication Date: Jun 24, 2024

Special Waste Site List: SWF/LF SPECIAL

The following landfills are those that as of January 1, 1990, accept non-hazardous special waste pursuant to the Illinois Environmental Protection Agency Non-Hazardous Special Waste Definition. List A includes landfills that may receive any non-hazardous waste. Non-Regional Pollutant Control Facilities are so noted. List B includes landfills designed to receive specific non-hazardous wastes. List B landfills are designated as a Regional Pollutant Control Facility by RPCF, or Non-regional Pollutant Control Facility by Non-RPCF.

Government Publication Date: Jan 1, 1990

Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in Northeastern Illinois: NIPC

Historical inventory of solid waste disposal sites in northeastern Illinois prepared by the Northeastern Illinois Planning Commission (NIPC).

Government Publication Date: Dec 1987

Clean Construction or Demolition Debris: CCDD

This is a list of CCDD Fill Operations with Approved Permits. Beginning July 1, 2008, no person can use CCDD as fill material in a current or former quarry, mine, or other excavation unless they have obtained a permit from the Illinois EPA.

Government Publication Date: Oct 3, 2023

Leaking Underground Storage Tanks (LUST): LUST

Leaking underground storage tanks (LUSTs) are a significant source of environmental contamination and may pose threats to human health and safety. The Illinois Office of the State Fire Marshal (OSFM) regulates the daily operation and maintenance of UST systems. When a release occurs, a tank owner, operator, or their designated representative, must notify the Illinois Emergency Management Agency (IEMA), which then notifies the Illinois Environmental Protection Agency (Illinois EPA). The Illinois EPA's LUST Section begins oversight of remedial activities only after the UST release has been reported to the IEMA.

Government Publication Date: Jul 15, 2024

Leaking UST Document: LUST DOCUMENT

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Leaking Underground Storage Tank (LUST) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Apr 23, 2024

Delisted Leaking Underground Storage Tank Sites: DELISTED LUST

List of sites removed from the Leaking Underground Storage Tank Incident Tracking (LIT) database made available by the Illinois Environmental Protection Agency.

Government Publication Date: Jul 15, 2024

Underground Storage Tank Fund Payment Priority List: LUST TRUST

In case sufficient funds are not available in the Underground Storage Tank Fund, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner. The Underground Storage Tank Fund Priority list made available by Illinois Environmental Protection Agency.

Government Publication Date: Nov 01, 2016

Underground Storage Tank Database (UST): UST

This Underground Storage Tank (UST) database is maintained by the Division of Petroleum & Chemical Safety of the Office of the Illinois State Fire Marshal (OSFM). Agency Disclaimer: The data contains information derived from tank registration information supplied to the OSFM from outside sources. This information may not contain complete or current information on a specific tank.

Government Publication Date: Jul 15, 2024

Aboveground Storage Tanks (AST): AST

A list of aboveground storage tanks inspected by the Office of State Fire Marshal (OSFM).

Government Publication Date: Jun 18, 2024

Delisted Storage Tanks: DELISTED TANK

This database contains a list of closed storage tank sites that were removed from the illinois Department of Enivornmental Quality.

Government Publication Date: Jul 15, 2024

Sites with Engineering Controls: ENG

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remedition Program (SRP) database with engineering controls in place.

Government Publication Date: Jul 17, 2024

Institutional Controls: INST

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remedition Program (SRP) database with institutional controls in place.

Government Publication Date: Jul 17, 2024

Environmental Covenants Registry: AUL

According to the Illinois Environmental Protection Agency (Illinois EPA), the Illinois Uniform Environmental Covenants Act (UECA) (765 Illinois Compiled Statues (ILCS) 122 et seq.) creates an environmental covenant that is a specific recordable interest in real estate. It arises from an environmental response project that imposes activity and use limitations on a property. No environmental covenant is effective without the approval of the Illinois EPA, through the Director's signature. The UECA instrument recites the property use controls and remediation requirements imposed upon the property. Section 12(a) of the Illinois UECA requires the Illinois EPA to establish and maintain a registry that contains all environmental covenants and any amendment or termination of those covenants.

Government Publication Date: Aug 1, 2023

Illinois Site Remediation Program Database: SRP

The Site Remediation Program (SRP) database identifies the status of all voluntary remediation projects administered through the Pre-Notice Site Cleanup Program (1989 to 1995) and the Site Remediation Program (1996 to the present). This Site Remediation program database made available by Illinois Environmental Protection Agency.

Government Publication Date: Jul 17, 2024

Document Explorer Remediation and Assessment Sites: REM ASSESS

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more documents available are associated with the Federal Facilities Unit, National Priorities List Unit, Site Assessment Unit, or Voluntary Site Remediation Unit. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Apr 23, 2024

Brownfields Redevelopment Assessment Database: BROWNFIELDS

The Office of Site Evaluations Redevelopment Assessment database identifies the status of properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a Municipal Brownfields Redevelopment Grant (MBRG) project.

Government Publication Date: Nov 21, 2022

Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA: BROWN MBRGP

The Office of Brownfields Assistance (OBA) database identifies the status of all Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA. Office of Brownfields Assistance Database search made available by Illinois Environmental Protection Agency's Bureau of Land Data-Center.

Government Publication Date: Mar 31, 2013

Tribal

Leaking Underground Storage Tanks on Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 5, which includes Illinois, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Illinois, according to the U.S. Department of Interior, Bureau of Indian Affairs.

Government Publication Date: Oct 16, 2017

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 5, which includes Illinois, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Illinois, according to the U.S. Department of Interior, Bureau of Indian Affairs.

Government Publication Date: Oct 16, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

County

No County databases were selected to be included in the search.

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

Government Publication Date: Aug 5, 2024

On-Scene Coordinator Response Sites: OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

Government Publication Date: Apr 4, 2024

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Apr 26, 2024

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 29, 2024

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data 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.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act: TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Jul 24, 2024

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Apr 13, 2024

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2024

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 5, 2024

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: May 6, 2024

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Feb 5, 2024

Surface Mining Control and Reclamation Act Sites: SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data 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. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: May 20, 2024

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Aug 29, 2024

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Jun 26, 2024

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Feb 29, 2024

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: May 23, 2024

State

Spills and Incidents: SPILLS

A list of reports taken by Illinois Emergency Management Agency (IEMA) of Hazardous Material spills in Illinois.

Government Publication Date: May 8, 2024

Emergency Response Releases & Spills Database: SPILL OER

The Office of Emergency Response (OER) maintains the Emergency Response Releases & Spills Database.
The Emergency Operations Unit, within OER, coordinates Illinois EPA's response to environmental emergencies involving oil or hazardous materials and ensures that any environmental contamination is cleaned up. EOU works with other response agencies including the Illinois Emergency Management Agency (IEMA), which is the initial contact for responses to an emergency or disaster in Illinois.

Government Publication Date: May 8, 2024

Dry Cleaning Facilities: DRYCLEANERS

This list of licensed drycleaner facilities is provided by the Drycleaner Environmental Response Trust Fund of Illinois; and since July 1, 2020, is administrated by Illinois Environmental Protection Agency (IEPA).

Government Publication Date: Jul 2, 2024

Delisted Drycleaners: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Jul 2, 2024

IEPA Document Explorer: IEPA DOCS

A list of permits and documents found in the Illinois Environmental Protection Agency (IEPA) Document Explorer. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are available in a digital format. This list includes records not otherwise categorized as LUST, Remediation, Air Permits, NPDES, or Compliance Commitment Agreements.

Government Publication Date: Apr 23, 2024

Clandestine Drug Labs: CDL

List of clandestine drug lab locations made available by the Illinois Department of Public Health. The Department maintains a list of properties from reports it receives from the Illinois State Police through the Illinois Emergency Management Agency.

Government Publication Date: Jan 4, 2023

Tier 2 Report: TIER 2

List of facilities who submit Tier II forms to the Illinois Emergency Management Agency (IEMA).

Government Publication Date: May 10, 2023

Air Permits: AIR PERMITS

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Air Permits (construction and operating) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Apr 23, 2024

Underground Injection Control Wells: UIC

The Underground Injection Control (UIC) Program is a federal program established under the provision of the Safe Drinking Water Act of 1974. Since groundwater is a major source of drinking water in the United States, the UIC Program requirements were designed to prevent contamination of groundwater resulting from the operation of injection wells. The Underground Injection Well Inventory is provided by the Illinois Environmental Protection Agency. This inventory includes Class V Injections Wells which are utilized to inject non-hazardous waste into or above the Underground Source of Drinking Water.

Government Publication Date: Aug 1, 2019

Potentially Infectious Medical Waste Facilities: MEDICAL WASTE

Title 35 of the Illinois Administrative Code defines Potentially Infectious Medical Waste (PIMW) as waste generated in connection with the diagnosis, treatment (i.e., provision of medical services), or immunization of human beings or animals; research pertaining to the provision of medical services; or the provision or testing of biologicals. The Illinois Environmental Protection Agency's Bureau of Land is responsible for administering the PIMW program. The facilities included on this listing treat, store, transfer or dispose of PIMW.

Government Publication Date: Jun 6, 2023

Compost Facilities: COMPOST

The Illinois Environmental Protection Agency's Bureau of Land, Materials Management Unit maintains this list of composting facilities. Composting facilities provide an alternative option to managing and disposing of non-hazardous solid waste and/or landscape waste instead of the waste being landfilled. It is a natural form of recycling that turns some common kinds of household waste, like food and lawn wastes, into a dark organic material that can be used in a variety of beneficial ways.

Government Publication Date: Dec 1, 2023

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

DATABASE REPORT

Project Property:	*41.76783111709486, -88.38465961606185 W* *41.76783111709486, -88.38465961606185* *Aurora IL 60506*
Project No:	
Report Type:	*Screen Report Plus*
Order No:	*24101000465*
Requested by:	*Bluff City Materials, Inc*
Date Completed:	*October 10, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:		*41.76783111709486, -88.38465961606185W* *41.76783111709486, -88.38465961606185 Aurora IL 60506*
Project No:		
Coordinates:		
	Latitude:	*41.7678311*
	Longitude:	*-88.3846596*
	UTM Northing:	*4,624,925.76*
	UTM Easting:	*384,908.61*
	UTM Zone:	*16T*
Elevation:		*668 FT*

Order Information:

Order No:	*24101000465*
Date Requested:	*October 10, 2024*
Requested by:	*Bluff City Materials, Inc*
Report Type:	*Screen Report Plus*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*

Executive Summary: Report Summary

Database	Searched	Project Property	Within 0.250mi	Total
Standard Environmental Records				
Federal				
NPL	Y	0	0	0
PROPOSED NPL	Y	0	0	0
DELETED NPL	Y	0	0	0
SEMS	Y	0	0	0
SEMS ARCHIVE	Y	0	0	0
ODI	Y	0	0	0
IODI	Y	0	0	0
CERCLIS	Y	0	0	0
CERCLIS NFRAP	Y	0	0	0
CERCLIS LIENS	Y	0	0	0
RCRA CORRACTS	Y	0	0	0
RCRA TSD	Y	0	0	0
RCRA LQG	Y	0	0	0
RCRA SQG	Y	0	0	0
RCRA VSQG	Y	0	0	0
RCRA NON GEN	Y	0	**1**	**1**
RCRA CONTROLS	Y	0	0	0
FED ENG	Y	0	0	0
FED INST	Y	0	0	0
LUCIS	Y	0	0	0
NPL IC	Y	0	0	0
ERNS 1982 TO 1986	Y	0	0	0
ERNS 1987 TO 1989	Y	0	0	0
ERNS	Y	0	**1**	**1**
FED BROWNFIELDS	Y	0	0	0
FEMA UST	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
FRP	Y	0	0	0
DELISTED FRP	Y	0	0	0
HIST GAS STATIONS	Y	0	0	0
REFN	Y	0	0	0
BULK TERMINAL	Y	0	0	0
SEMS LIEN	Y	0	0	0
SUPERFUND ROD	Y	0	0	0
DOE FUSRAP	Y	0	0	0
State				
SSU	Y	0	0	0
DELISTED SSU	Y	0	0	0
SWF/LF	Y	0	0	0
SWF/LF SPECIAL	Y	0	0	0
NIPC	Y	0	0	0
CCDD	Y	0	0	0
LUST	Y	0	0	0
LUST DOCUMENT	Y	0	0	0
DELISTED LUST	Y	0	0	0
LUST TRUST	Y	0	0	0
UST	Y	0	***1***	***1***
AST	Y	0	***1***	***1***
DELISTED TANK	Y	0	0	0
ENG	Y	0	0	0
INST	Y	0	0	0
AUL	Y	0	0	0
SRP	Y	0	0	0
REM ASSESS	Y	0	0	0
BROWNFIELDS	Y	0	0	0
BROWN MBRGP	Y	0	0	0
Tribal				
INDIAN LUST	Y	0	0	0
INDIAN UST	Y	0	0	0
DELISTED INDIAN LST	Y	0	0	0
DELISTED INDIAN UST	Y	0	0	0

County ***No County databases were selected to be included in the search.***

Additional Environmental Records

Database	Searched	Project Property	Within 0.250mi	Total
Federal				
PFAS GHG	Y	0	0	0
OSC RESPONSE	Y	0	0	0
FINDS/FRS	Y	0	**1**	**1**
TRIS	Y	0	0	0
HMIRS	Y	0	0	0
NCDL	Y	0	0	0
TSCA	Y	0	0	0
HIST TSCA	Y	0	0	0
FTTS ADMIN	Y	0	0	0
FTTS INSP	Y	0	0	0
PRP	Y	0	0	0
SCRD DRYCLEANER	Y	0	0	0
ICIS	Y	0	0	0
FED DRYCLEANERS	Y	0	0	0
DELISTED FED DRY	Y	0	0	0
FUDS	Y	0	0	0
FUDS MRS	Y	0	0	0
FORMER NIKE	Y	0	0	0
PIPELINE INCIDENT	Y	0	0	0
MLTS	Y	0	0	0
HIST MLTS	Y	0	0	0
MINES	Y	0	0	0
SMCRA	Y	0	0	0
MRDS	Y	0	0	0
LM SITES	Y	0	0	0
ALT FUELS	Y	0	0	0
CONSENT DECREES	Y	0	0	0
AFS	Y	0	0	0
SSTS	Y	0	0	0
PCBT	Y	0	0	0
PCB	Y	0	0	0
State				
SPILLS	Y	0	0	0
SPILL OER	Y	0	0	0
DRYCLEANERS	Y	0	0	0
DELISTED DRYCLEANERS	Y	0	0	0
IEPA DOCS	Y	0	**1**	**1**
CDL	Y	0	0	0
TIER 2	Y	0	0	0

Database	Searched	Project Property	Within 0.250mi	Total
AIR PERMITS	Y	0	0	0
UIC	Y	0	0	0
MEDICAL WASTE	Y	0	0	0
COMPOST	Y	0	0	0

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Total:	*0*	***6***	***6***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	ERNS		2600 W GALENA BLVD AURORA IL 60506 ***NRC Report No:*** 259470	S	0.14 / 765.59	1	15
1	UST	Cargill Inc	Rr 3 Box 751, 2600 W Galena Blvd Aurora, IL 60507 IL ***Facility No | Facility Status:*** 2021790 | Closed ***Tank No | Status | Removed Date:*** 1 | Removed | 9/15/1989	S	0.14 / 765.59	1	17
1	FINDS/FRS	MYCOGEN SEEDS AURORA	2600 W GALENA BLVD AURORA IL 60506 ***Registry ID:*** 110005879184	S	0.14 / 765.59	1	18
1	AST	VCA ANIMAL HOSPITAL	2600 West GALENA Boulevard AURORA IL 60505 ***Type | Tank:*** Tank - Above Ground Bulk Generator | STE TANK#1-774	S	0.14 / 765.59	1	19
1	IEPA DOCS	Agrigenetics Inc Dba Mycogen	2600 W Galena Blvd Aurora IL 60506	S	0.14 / 765.59	1	19
1	RCRA NON GEN	MYCOGEN SEEDS AURORA	2600 W GALENA BLVD AURORA IL 60506 ***EPA Handler ID:*** ILD984801951	S	0.14 / 765.59	1	19

Executive Summary: Summary by Data Source

Standard

Federal

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Apr 8, 2024 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MYCOGEN SEEDS AURORA	2600 W GALENA BLVD AURORA IL 60506	S	0.14 / 765.59	1
	***EPA Handler ID**: ILD984801951*			

ERNS - Emergency Response Notification System

A search of the ERNS database, dated Apr 28, 2024 has found that there are 1 ERNS site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	2600 W GALENA BLVD AURORA IL 60506	S	0.14 / 765.59	1
	***NRC Report No**: 259470*			

State

UST - Underground Storage Tank Database (UST)

A search of the UST database, dated Jul 15, 2024 has found that there are 1 UST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Cargill Inc	Rr 3 Box 751, 2600 W Galena Blvd Aurora, IL 60507 IL	S	0.14 / 765.59	1
	***Facility No**	**Facility Status**: 2021790 | Closed*		
	***Tank No**	**Status**	**Removed Date**: 1 | Removed | 9/15/1989*	

AST - Aboveground Storage Tanks (AST)

A search of the AST database, dated Jun 18, 2024 has found that there are 1 AST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
VCA ANIMAL HOSPITAL	2600 West GALENA Boulevard AURORA IL 60505	S	0.14 / 765.59	1
	***Type**	**Tank**: Tank - Above Ground Bulk Generator | STE TANK#1-774*		

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Apr 26, 2024 has found that there are 1 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

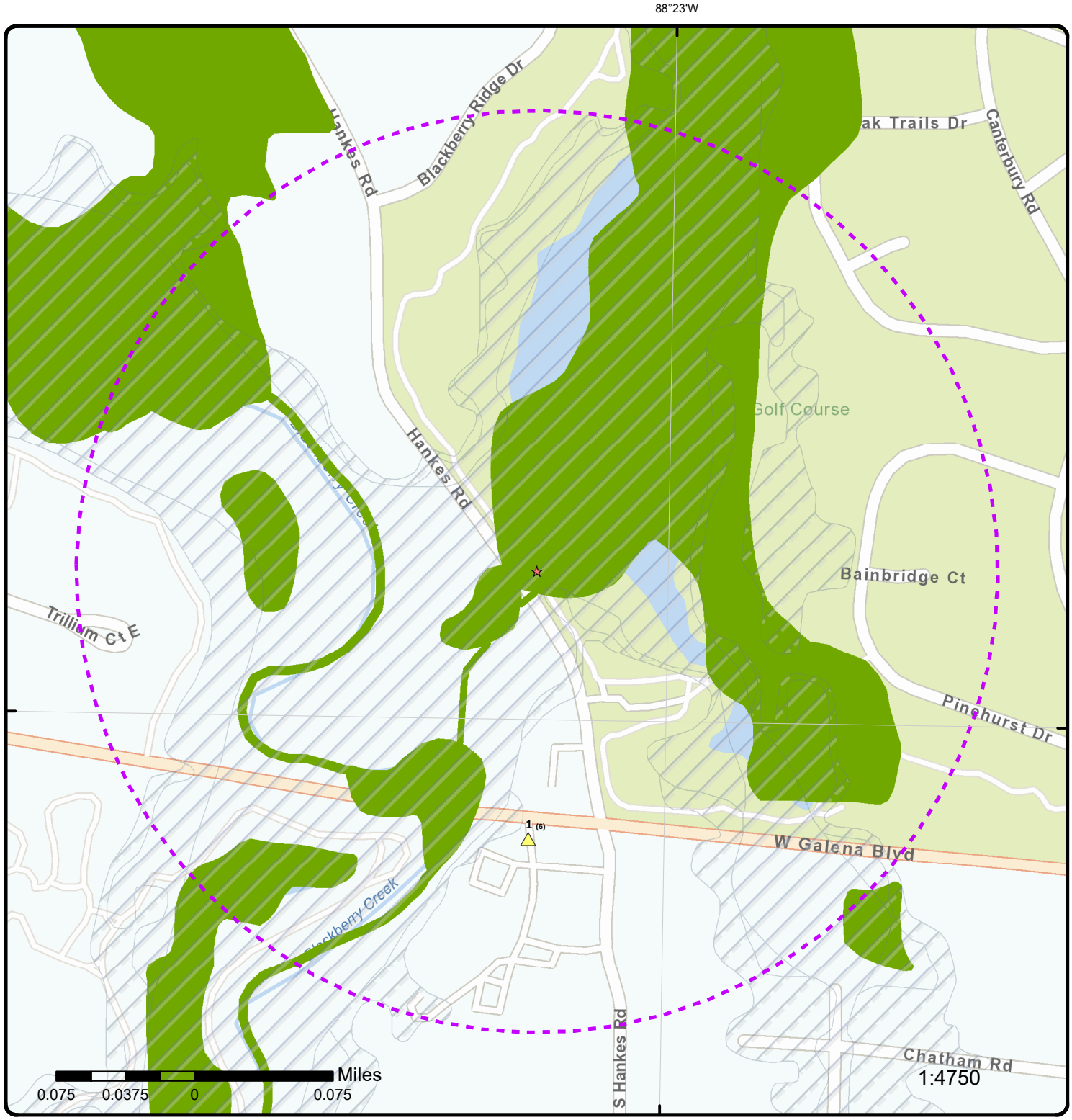
Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MYCOGEN SEEDS AURORA	2600 W GALENA BLVD AURORA IL 60506 ***Registry ID**: 110005879184*	S	0.14 / 765.59	1

State

IEPA DOCS - IEPA Document Explorer

A search of the IEPA DOCS database, dated Apr 23, 2024 has found that there are 1 IEPA DOCS site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Agrigenetics Inc Dba Mycogen	2600 W Galena Blvd Aurora IL 60506	S	0.14 / 765.59	1



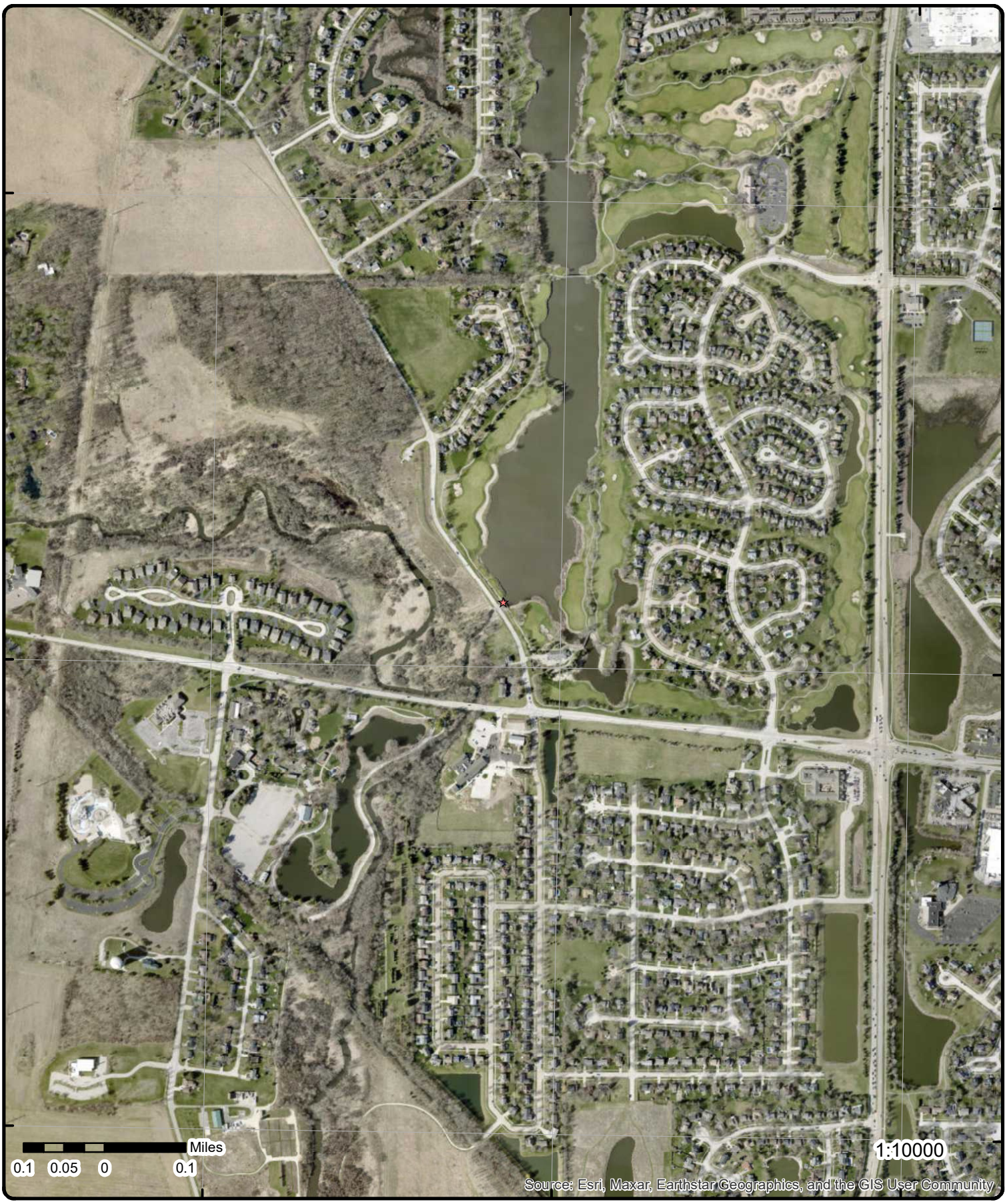
Map: 0.25 Mile Radius

Order Number: 24101000465

Address: 41.76783111709486, -88.38465961606185, Aurora, IL

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

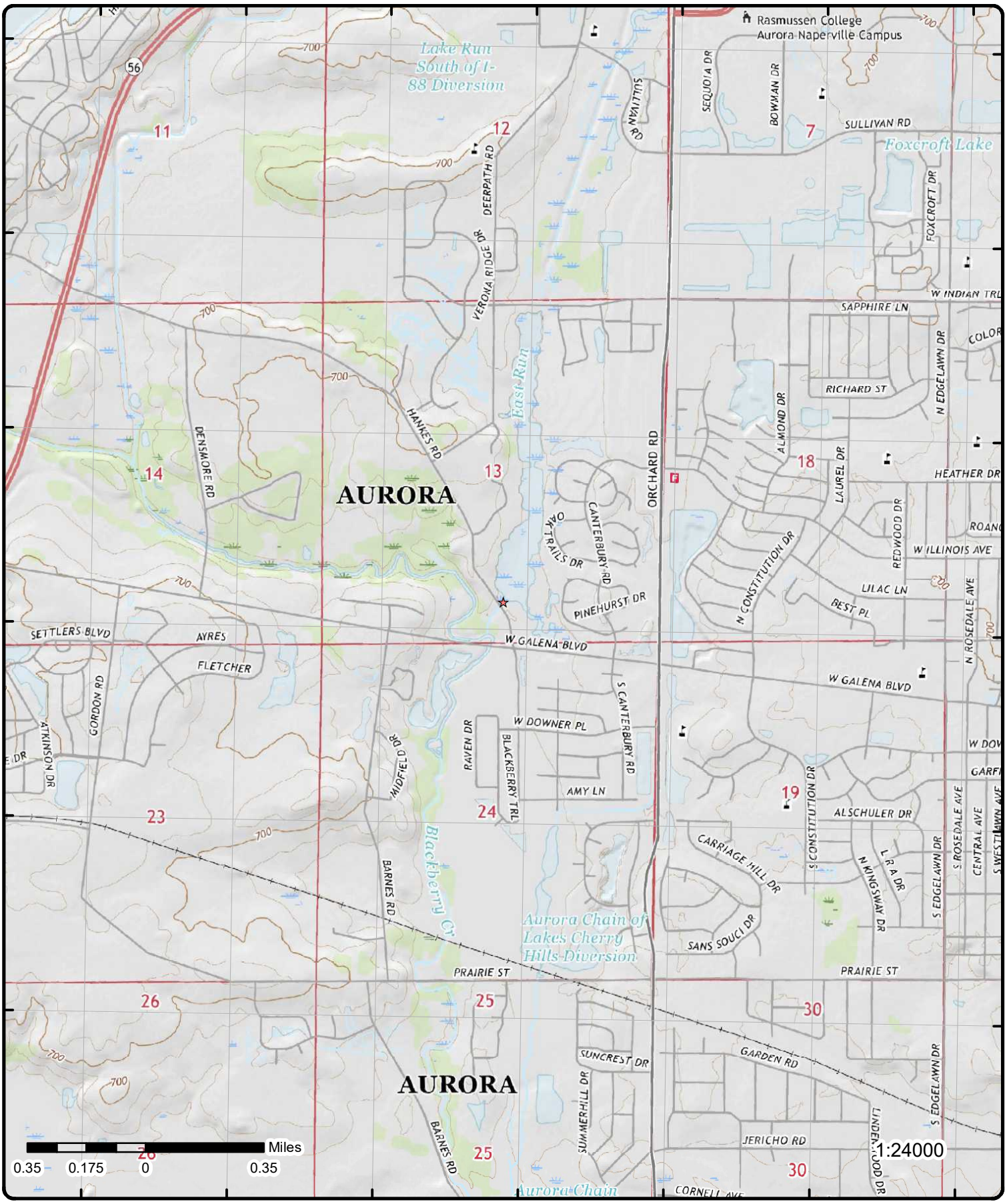


Aerial **Year: 2024**

Order Number: 24101000465

Address: 41.76783111709486, -88.38465961606185, Aurora, IL

Source: ESRI World Imagery



Topographic Map

Year: 2021

Order Number: 24101000465

Address: 41.76783111709486, -88.38465961606185, IL

Quadrangle(s): Aurora North IL, Sugar Grove IL

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 6	S	0.14 / 765.59	669.62 / 1	2600 W GALENA BLVD AURORA IL 60506	ERNS

NRC Report No:	259470	**Latitude Degrees:**	
Type of Incident:	UNKNOWN SHEEN	**Latitude Minutes:**	
Incident Cause:	OPERATOR ERROR	**Latitude Seconds:**	
Incident Date:	07-Sep-1994 14:45:00	**Longitude Degrees:**	
Incident Location:		**Longitude Minutes:**	
Incident Dtg:	OCCURRED	**Longitude Seconds:**	
Distance from City:		**Lat Quad:**	
Distance Units:		**Long Quad:**	
Direction from City:		**Location Section:**	
Location County:	KANE	**Location Township:**	
Potential Flag:		**Location Range:**	
Year:	Year 1994 Reports		

Description of Incident: PLASTIC BAG//BAG EXPLODED DUE IMPROPER STORAGE OF MATERIAL

Material Spill Information

Chris Code:	APH	**Unit of Measure:**	POUND(S)
CAS No:		**If Reached Water:**	YES
UN No:		**Amount in Water:**	0
Name of Material:	ALUMINUN PHOSPHIDE	**Unit Reach Water:**	NONE
Amount of Material:	1		

Calls Information

Date Time Received:	07-Sep-1994 16:14:23	**Responsible City:**	AURORA
Date Time Complete:	07-Sep-1994 16:21:18	**Responsible State:**	IL
Call Type:	INC	**Responsible Zip:**	60506
Resp Company:	CARGILL HYBRID SEEDS	**Source:**	UNAVAILABLE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		**Building ID:**	
Tank Regulated:	U	**Location Area ID:**	
Tank Regulated By:		**Location Block ID:**	
Capacity of Tank:		**OCSG No:**	
Capacity Tank Units:		**OCSP No:**	
Description of Tank:		**State Lease No:**	
Actual Amount:		**Pier Dock No:**	
Actual Amount Units:		**Berth Slip No:**	

Tank Above Ground:	ABOVE	**Brake Failure:**	N
NPDES:		**Airbag Deployed:**	
NPDES Compliance:	U	**Transport Contain:**	U
Init Contin Rel No:		**Location Subdiv:**	
Contin Rel Permit:		**Platform Rig Name:**	
Contin Release Type:		**Platform Letter:**	
Aircraft ID:		**Allision:**	N
Aircraft Runway No:		**Type of Structure:**	
Aircraft Spot No:		**Structure Name:**	
Aircraft Type:	UNKNOWN	**Structure Oper:**	Y
Aircraft Model:		**Transit Bus Flag:**	
Aircraft Fuel Cap:		**Date Time Norm Serv:**	
Aircraft Fuel Cap U:		**Serv Disrupt Time:**	
Aircraft Fuel on Brd:		**Serv Disrupt Units:**	
Aircraft Fuel OB U:		**CR Begin Date:**	
Aircraft Hanger:		**CR End Date:**	
Road Mile Marker:		**CR Change Date:**	
Power Gen Facility:	U	**FBI Contact:**	
Generating Capacity:		**FBI Contact Dt Tm:**	
Type of Fixed Obj:	UNKNOWN	**Passenger Handling:**	
Type of Fuel:		**Passenger Route:**	XXX
DOT Crossing No:		**Passenger Delay:**	XXX
DOT Regulated:	U	**Sub Part C Test Req:**	XXX
Pipeline Type:	UNKNOWN	**Conductor Test:**	
Pipeline Abv Ground:	ABOVE	**Engineer Test:**	
Pipeline Covered:	U	**Trainman Test:**	
Exposed Underwater:	U	**Yard Foreman Test:**	
Railroad Hotline:	No	**RCL Operator Test:**	
Railroad Milepost:	UNKNOWN	**Brakeman Test:**	
Grade Crossing:	N	**Train Dispat Test:**	
Crossing Device Ty:		**Signalman Test:**	
Ty Vehicle Involved:	UNKNOWN	**Oth Employee Test:**	
Device Operational:	Y	**Unknown Test:**	

Incident Details Information

Release Secured:		**State Agen Report No:**	
Release Rate:		**State Agen on Scene:**	
Release Rate Unit:		**State Agen Notified:**	
Release Rate Rate:		**Fed Agency Notified:**	
Est Duration of Rel:		**Oth Agency Notified:**	
Desc Remedial Act:	FIRE DEPT W/ HAZMAT TEAM ONSCENE//COVERING MATERIAL WITH DIRT	**Body of Water:**	
Fire Involved:	N	**Tributary of:**	
Fire Extinguished:		**Near River Mile Make:**	
Any Evacuations:	N	**Near River Mile Mark:**	
No Evacuated:		**Offshore:**	
Who Evacuated:		**Weather Conditions:**	
Radius of Evac:		**Air Temperature:**	
Any Injuries:	U	**Wind Direction:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

No. Injured:		**Wind Speed:**	
No. Hospitalized:		**Wind Speed Unit:**	
No. Fatalities:		**Water Supp Contam:**	
Any Fatalities:	U	**Water Temperature:**	
Any Damages:	N	**Wave Condition:**	
Damage Amount:		**Current Speed:**	
Air Corridor Closed:		**Current Direction:**	
Air Corridor Desc:		**Current Speed Unit:**	
Air Closure Time:		**EMPL Fatality:**	
Waterway Closed:		**Pass Fatality:**	
Waterway Desc:		**Community Impact:**	
Waterway Close Time:		**Passengers Transfer:**	UNK
Road Closed:		**Passenger Injuries:**	
Road Desc:		**Employee Injuries:**	
Road Closure Time:		**Occupant Fatality:**	
Road Closure Units:		**Sheen Size:**	
Closure Direction:		**Sheen Size Units:**	
Major Artery:		**Sheen Size Length:**	
Track Closed:		**Sheen Size Length U:**	
Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	
Track Closure Units:		**Sheen Color:**	
Track Close Dir:		**Dir of Sheen Travel:**	
Media Interest:		**Sheen Odor Desc:**	
Medium Desc:	AIR	**Duration Unit:**	
Addl Medium Info:	ATMOSPHERE	**Additional Info:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of 6	S	0.14 / 765.59	669.62 / 1	Cargill Inc Rr 3 Box 751, 2600 W Galena Blvd Aurora, IL 60507 IL	UST

Facility No:	2021790	**Facility Type:**	None
Facility Status:	Closed	**Owner Type:**	
Fac Details Status:	Closed	**Owner Status:**	Current Owner
Fac Type Fac Details:	None	**County:**	Kane
Owner Name:	Cargill Inc		
Facility URL:	http://webapps.sfm.illinois.gov/ustsearch/Facility.aspx?ID=2021790		
Permit History Link:	https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2021790		

Tank Information

Tank No:	1	**Capacity:**	1000
UI No:		**Petroleum Use:**	
Status:	Removed	**Product:**	Diesel Fuel
Removed Date:	9/15/1989	**CERCLA Substance:**	
Install Date:		**Current Age:**	13
Abandoned Date:		**Abandoned Material:**	
Last Used Date:		**Product Date:**	
Red Tag Issue Date:		**Fee Due:**	
CAS Code:		**Regulated Status:**	Federal

OSFM First Noti Dt: 4/10/1986

Owner Summary

Owner No: U0002446 ***Owner Status:*** Current Owner
Owner Name: Cargill Inc ***Purchase Date:***
Ownership History: https://webapps.sfm.illinois.gov/ustsearch/Ownership.aspx?ID=2021790

Owner Details

Owner Name: Cargill Inc ***Type Financial Resp:***
Owner Status: Current Owner ***Fin Resp Rpt Due:***
Purchase Date:
Owner Address: Po Box 5645 Minneapolis, MN 55440

Facility Details

MFD Forms Status: ***Green Tag Decal:***
MFD Permit Issue Dt: ***Green Tag Issue Date:***
MFD Permit Exp Dt: ***Green Tag Exp Date:***
Property Parcel: ***Motor Fuel Type:***
Pending Nov: No
Permit History Link: https://webapps.sfm.illinois.gov/USTPortal/Permit/FacilityPermitList/2021790

1	3 of 6	S	0.14 / 765.59	669.62 / 1	MYCOGEN SEEDS AURORA 2600 W GALENA BLVD AURORA IL 60506	FINDS/FRS

Registry ID: 110005879184
FIPS Code: 17089
HUC Code: 07120007
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-00
Update Date: 13-MAY-15
Interest Types: STATE MASTER, UNSPECIFIED UNIVERSE
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 14
Census Block Code: 170898545033004
EPA Region Code: 05
County Name: KANE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

US/Mexico Border Ind:
Latitude: 41.76586
Longitude: -88.38394
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110005879184
Data Source: Facility Registry Service - Single File
Program Acronyms:

ACES:170000265157, RCRAINFO:ILD984801951

1	4 of 6	S	0.14 / 765.59	669.62 / 1	VCA ANIMAL HOSPITAL 2600 West GALENA Boulevard AURORA IL 60505	AST

Type: Tank - Above Ground Bulk Generator
NOVs: 2 NOVs
Tank 2:
Occupant 2:
Occupancy No: KA-059-1504021499549
Occupant Type: 059 - ABOVE GROUND BULK STORAGE
Tank: STE TANK#1-774
Building:
Location Comment:
Date: 9/5/17
Inspector: F. Richter
Row: 168
Section: KA

1	5 of 6	S	0.14 / 765.59	669.62 / 1	Agrigenetics Inc Dba Mycogen 2600 W Galena Blvd Aurora IL 60506	IEPA DOCS

Note: Documents related to facilities in Illinois can be searched on the Illinois Environmental Protection Agency (IEPA) Document Explorer: https://external.epa.illinois.gov/DocumentExplorer

IEPA Document Explorer (Map Search)

Site ID: 170000265157
System ID: 0890050065
Interest Type: BOL
Media Code: LAND
Revision Date/Time: 06/30/2003
Collection Date: 12/30/2003
Document Indicator: No
Latitude: 41.76567
Longitude: -88.38394
X: -88.38393999999994
Y: 41.76567000000006

1	6 of 6	S	0.14 / 765.59	669.62 / 1	MYCOGEN SEEDS AURORA 2600 W GALENA BLVD AURORA IL 60506	RCRA NON GEN

EPA Handler ID: ILD984801951
Gen Status Universe: No Report

Contact Name:
Contact Address:
Contact Phone No and Ext:
Contact Email:
Contact Country:
County Name: KANE
EPA Region: 05
Land Type: Private
Receive Date: 20200923
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Apr 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900924
Handler Name: MYCOGEN SEEDS AURORA
Source Type: Notification
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20010212
Handler Name: MYCOGEN SEEDS AURORA

Source Type: Notification
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20200923
Handler Name: MYCOGEN SEEDS AURORA
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: AGRIGENETIS MYCOGEN SEEDS
Date Became Current: 20001101
Date Ended Current:
Phone: 612-742-6382
Source Type: Notification

Street No:
Street 1: 9330 ZIONSVILLE RD
Street 2:
City: INDIANAPOLIS
State: IN
Country:
Zip Code: 46268-1054

Historical Handler Details

Receive Dt: 20010212
Generator Code Description: Small Quantity Generator
Handler Name: MYCOGEN SEEDS AURORA

Receive Dt: 19900924
Generator Code Description: Small Quantity Generator
Handler Name: MYCOGEN SEEDS AURORA

Unplottable Summary

Total: 4 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
FINDS/FRS	HOLLYWOOD COLLISION CENTER	222 W GALENA BLVD-B	AURORA IL	60506	817485244
FINDS/FRS	PRIMUS REALTY CORP THE	1/4MI N OF HANKES & GALEN	AURORA IL	60506	817477650
SPILLS	John Shafer	931 W. Galena Blvrd	Aurora IL		821993556
SPILLS	DAVEY TREE CARE EXPERTS	HANKES RD.	AURORA IL		822013474

Unplottable Report

Site: ***HOLLYWOOD COLLISION CENTER***
222 W GALENA BLVD-B AURORA IL 60506

FINDS/FRS

Registry ID:	110018197397
FIPS Code:	17089
HUC Code:	07120007
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	19-OCT-04
Update Date:	29-DEC-14
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	14
Census Block Code:	170898539001000
EPA Region Code:	05
County Name:	KANE
US/Mexico Border Ind:	
Latitude:	41.76026
Longitude:	-88.31952
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110018197397
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

ACES:170000614262

Site: ***PRIMUS REALTY CORP THE***
1/4MI N OF HANKES & GALEN AURORA IL 60506

FINDS/FRS

Registry ID:	110018192150
FIPS Code:	17089
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	19-OCT-04
Update Date:	18-MAR-06
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	

Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 05
County Name: KANE
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110018192150
Data Source: Facility Registry Service - Single File
Program Acronyms:

ACES:170000609287

Site: ***John Shafer***
931 W. Galena Blvrd Aurora IL

SPILLS

Incident No: H-2013-0168
Date/Time Occurred:
Media Release: Ground
Facility Manager: John Shafer
Fac Manager Phone: 630/853-8824
Responsible Party Street: 931 W. Galena Blvrd
Area Involved: Fixed Facility
Milepost:
Section:
Township:
Range:
County: Kane
Latitude: 41.76226
Longutude: -88.338814

Hazardous Materials Incident Report

Incident Report Dt: 2/21/2013 10:00:58 AM
Data Input Status: Closed
LUST?: Yes
Hazmat Incident Type: Leak or spill
Caller: John Shafer
Caller Represents: Calling on his own behalf
Street Address: 931 W. Galena Blvrd
City: Aurora
URL: https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=H-2013-0168
Narrative:
County: Kane
Entered by: Kattner, Paul (IEMA)
Date Entered:

Follow Up Information:

Weather Information

Temp: 20 Degrees
Wind: Calm

Materials Involved

Name: Heating Oil
Type: Liquid
CHRIS CODE: Unknown
CAS No: Unknown
UN/NA No: Unknown
Container Type: Under ground storage tank
Container Size: 1 x 1,000 gallons

Amount Released: Unknown
Rate of Release Min: Unknown
Duration of Release: Unknown
Cause of Release: Tank failure due to corrosion
Est Spill Extent: Unknown
Spill Extent Units:
Date/Time Inc Occur:
Unknown Occurr: Yes
Date/Time Discov: 2013-02-21 09:30
Unknown Discovered:
Where Taken:
On Scene Contact: John Shafer
No of People Evacuat:
A 302(a) Extremely Haz Sub?: Unknown
A RCRA Hazardous Waste?: Unknown
A RCRA Regulated Facility?: Unknown
Public Health Risks: None
State Agency Assistance: None
Containment/Cleanup Plans: A contractor (Underground Storage Specialist) is handling tank removal and remediation.

Agency or Persons Notified

Agency: IEPA, OSFM, NRTP, & IEMA Region #3
Date/Time: 2013-02-21 10:10
Name of Person: E-mailed
Notification Action: Report Sent

Site: ***DAVEY TREE CARE EXPERTS***
HANKES RD. AURORA IL

SPILLS

Incident No: 921326
Date/Time Occurred: 05/15/92 1515
Media Release:
Facility Manager:
Fac Manager Phone:
Responsible Party Street: #10 s. 123 NORMANTOWN RD., NAPERVILLE, IL 60564
Area Involved: OTHER/COUNTY ROAD
Milepost:
Section:
Township:
Range:
County: KANE
Latitude:
Longutude:

Hazardous Materials Incident Report

Incident Report Dt: 5/15/1992 5:10:00 PM
Data Input Status: CLOSED
LUST?:
Hazmat Incident Type: LEAK
Caller: JACK SMITH
Caller Represents: AURORA FIRE DEPARTMENT
Street Address: HANKES RD.
City: AURORA
URL: https://public.iema.state.il.us/FOIAHazmatSearch/HazmatDetails.aspx?RptNum=921326
Narrative:
County: KANE
Entered by:
Date Entered:

Follow Up Information:

Materials Involved

Name: CARBARYL PESTICIDE
Type: UNKNOWN
CHRIS CODE:
CAS No:
UN/NA No:
Container Type: OTHER/TRUCK TANKS
Container Size: OTHER/TRUCK TANKS

Amount Released:	208 LBS.
Rate of Release Min:	
Duration of Release:	
Cause of Release:	TRUCK OVERTURNED
Est Spill Extent:	
Spill Extent Units:	
Date/Time Inc Occur:	05/15/92 1515
Unknown Occurr:	
Date/Time Discov:	05/15/92 1515
Unknown Discovered:	
Where Taken:	
On Scene Contact:	
No of People Evacuat:	
A 302(a) Extremely Haz Sub?:	
A RCRA Hazardous Waste?:	
A RCRA Regulated Facility?:	
Public Health Risks:	
State Agency Assistance:	
Containment/Cleanup Plans:	

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool.

Government Publication Date: May 22, 2024

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: May 22, 2024

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means 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 this site on the National Priorities List (NPL). This 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 a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Apr 8, 2024

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Apr 8, 2024

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Apr 8, 2024

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Apr 8, 2024

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Apr 8, 2024

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Apr 8, 2024

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Apr 8, 2024

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made availabe by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jun 26, 2024

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Jun 26, 2024

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Apr 22, 2024

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Apr 28, 2024

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Feb 7, 2024

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: Jan 9, 2024

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Jan 9, 2024

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

Government Publication Date: Jun 6, 2024

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Jun 6, 2024

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: May 22, 2024

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Mar 27, 2024

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

State Response Action Program Database: SSU

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit. The State Response Action Program database made available by Illinois Environmental Protection Agency. This database is state equivalent CERCLIS.

Government Publication Date: Aug 3, 2023

Delisted State Response Action Program: DELISTED SSU

List of sites removed from the State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit.

Government Publication Date: Aug 3, 2023

Solid Waste Landfills Subject to State Surcharge Database: SWF/LF

The Bureau of Land maintains a list of solid waste facilities and landfills throughout the state. This list made available by Illinois Environmental Protection Agency's Bureau of land.

Government Publication Date: Jun 24, 2024

Special Waste Site List: SWF/LF SPECIAL

The following landfills are those that as of January 1, 1990, accept non-hazardous special waste pursuant to the Illinois Environmental Protection Agency Non-Hazardous Special Waste Definition. List A includes landfills that may receive any non-hazardous waste. Non-Regional Pollutant Control Facilities are so noted. List B includes landfills designed to receive specific non-hazardous wastes. List B landfills are designated as a Regional Pollutant Control Facility by RPCF, or Non-regional Pollutant Control Facility by Non-RPCF.

Government Publication Date: Jan 1, 1990

Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in Northeastern Illinois: NIPC

Historical inventory of solid waste disposal sites in northeastern Illinois prepared by the Northeastern Illinois Planning Commission (NIPC).

Government Publication Date: Dec 1987

Clean Construction or Demolition Debris: CCDD

This is a list of CCDD Fill Operations with Approved Permits. Beginning July 1, 2008, no person can use CCDD as fill material in a current or former quarry, mine, or other excavation unless they have obtained a permit from the Illinois EPA.

Government Publication Date: Oct 3, 2023

Leaking Underground Storage Tanks (LUST): LUST

Leaking underground storage tanks (LUSTs) are a significant source of environmental contamination and may pose threats to human health and safety. The Illinois Office of the State Fire Marshal (OSFM) regulates the daily operation and maintenance of UST systems. When a release occurs, a tank owner, operator, or their designated representative, must notify the Illinois Emergency Management Agency (IEMA), which then notifies the Illinois Environmental Protection Agency (Illinois EPA). The Illinois EPA's LUST Section begins oversight of remedial activities only after the UST release has been reported to the IEMA.

Government Publication Date: Jul 15, 2024

Leaking UST Document: LUST DOCUMENT

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Leaking Underground Storage Tank (LUST) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Apr 23, 2024

Delisted Leaking Underground Storage Tank Sites: DELISTED LUST

List of sites removed from the Leaking Underground Storage Tank Incident Tracking (LIT) database made available by the Illinois Environmental Protection Agency.

Government Publication Date: Jul 15, 2024

Underground Storage Tank Fund Payment Priority List: LUST TRUST

In case sufficient funds are not available in the Underground Storage Tank Fund, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner. The Underground Storage Tank Fund Priority list made available by Illinois Environmental Protection Agency.

Government Publication Date: Nov 01, 2016

Underground Storage Tank Database (UST): UST

This Underground Storage Tank (UST) database is maintained by the Division of Petroleum & Chemical Safety of the Office of the Illinois State Fire Marshal (OSFM). Agency Disclaimer: The data contains information derived from tank registration information supplied to the OSFM from outside sources. This information may not contain complete or current information on a specific tank.

Government Publication Date: Jul 15, 2024

Aboveground Storage Tanks (AST): AST

A list of aboveground storage tanks inspected by the Office of State Fire Marshal (OSFM).

Government Publication Date: Jun 18, 2024

Delisted Storage Tanks: DELISTED TANK

This database contains a list of closed storage tank sites that were removed from the illinois Department of Enivornmental Quality.

Government Publication Date: Jul 15, 2024

Sites with Engineering Controls: ENG

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remedition Program (SRP) database with engineering controls in place.

Government Publication Date: Jul 17, 2024

Institutional Controls: INST

Sites in the Illinois Environmental Protection Agency (IEPA)'s Site Remedition Program (SRP) database with institutional controls in place.

Government Publication Date: Jul 17, 2024

Environmental Covenants Registry: AUL

According to the Illinois Environmental Protection Agency (Illinois EPA), the Illinois Uniform Environmental Covenants Act (UECA) (765 Illinois Compiled Statues (ILCS) 122 et seq.) creates an environmental covenant that is a specific recordable interest in real estate. It arises from an environmental response project that imposes activity and use limitations on a property. No environmental covenant is effective without the approval of the Illinois EPA, through the Director's signature. The UECA instrument recites the property use controls and remediation requirements imposed upon the property. Section 12(a) of the Illinois UECA requires the Illinois EPA to establish and maintain a registry that contains all environmental covenants and any amendment or termination of those covenants.

Government Publication Date: Aug 1, 2023

Illinois Site Remediation Program Database: SRP

The Site Remediation Program (SRP) database identifies the status of all voluntary remediation projects administered through the Pre-Notice Site Cleanup Program (1989 to 1995) and the Site Remediation Program (1996 to the present). This Site Remediation program database made available by Illinois Environmental Protection Agency.

Government Publication Date: Jul 17, 2024

Document Explorer Remediation and Assessment Sites: REM ASSESS

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more documents available are associated with the Federal Facilities Unit, National Priorities List Unit, Site Assessment Unit, or Voluntary Site Remediation Unit. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Apr 23, 2024

Brownfields Redevelopment Assessment Database: BROWNFIELDS

The Office of Site Evaluations Redevelopment Assessment database identifies the status of properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a Municipal Brownfields Redevelopment Grant (MBRG) project.

Government Publication Date: Nov 21, 2022

Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA: BROWN MBRGP

The Office of Brownfields Assistance (OBA) database identifies the status of all Municipal Brownfields Redevelopment Grant Program (MBRGP) project sites administered through OBA. Office of Brownfields Assistance Database search made available by Illinois Environmental Protection Agency's Bureau of Land Data-Center.

Government Publication Date: Mar 31, 2013

Tribal

Leaking Underground Storage Tanks on Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 5, which includes Illinois, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Illinois, according to the U.S. Department of Interior, Bureau of Indian Affairs.

Government Publication Date: Oct 16, 2017

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 5, which includes Illinois, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Illinois, according to the U.S. Department of Interior, Bureau of Indian Affairs.

Government Publication Date: Oct 16, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: May 7, 2024

County

No County databases were selected to be included in the search.

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

Government Publication Date: Aug 5, 2024

On-Scene Coordinator Response Sites: OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation.

Government Publication Date: Apr 4, 2024

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Apr 26, 2024

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 29, 2024

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data 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.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act: TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Jul 24, 2024

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Apr 13, 2024

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2024

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 5, 2024

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: May 6, 2024

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Feb 5, 2024

Surface Mining Control and Reclamation Act Sites: SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data 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. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: May 20, 2024

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Aug 29, 2024

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Jun 26, 2024

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Feb 29, 2024

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: May 23, 2024

State

Spills and Incidents: SPILLS

A list of reports taken by Illinois Emergency Management Agency (IEMA) of Hazardous Material spills in Illinois.

Government Publication Date: May 8, 2024

Emergency Response Releases & Spills Database: SPILL OER

The Office of Emergency Response (OER) maintains the Emergency Response Releases & Spills Database.
The Emergency Operations Unit, within OER, coordinates Illinois EPA's response to environmental emergencies involving oil or hazardous materials and ensures that any environmental contamination is cleaned up. EOU works with other response agencies including the Illinois Emergency Management Agency (IEMA), which is the initial contact for responses to an emergency or disaster in Illinois.

Government Publication Date: May 8, 2024

Dry Cleaning Facilities: DRYCLEANERS

This list of licensed drycleaner facilities is provided by the Drycleaner Environmental Response Trust Fund of Illinois; and since July 1, 2020, is administrated by Illinois Environmental Protection Agency (IEPA).

Government Publication Date: Jul 2, 2024

Delisted Drycleaners: DELISTED DRYCLEANERS

List of sites removed from the drycleaners database made available by the Drycleaner Environmental Response Trust Fund of Illinois.

Government Publication Date: Jul 2, 2024

IEPA Document Explorer: IEPA DOCS

A list of permits and documents found in the Illinois Environmental Protection Agency (IEPA) Document Explorer. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are available in a digital format. This list includes records not otherwise categorized as LUST, Remediation, Air Permits, NPDES, or Compliance Commitment Agreements.

Government Publication Date: Apr 23, 2024

Clandestine Drug Labs: CDL

List of clandestine drug lab locations made available by the Illinois Department of Public Health. The Department maintains a list of properties from reports it receives from the Illinois State Police through the Illinois Emergency Management Agency.

Government Publication Date: Jan 4, 2023

Tier 2 Report: TIER 2

List of facilities who submit Tier II forms to the Illinois Emergency Management Agency (IEMA).

Government Publication Date: May 10, 2023

Air Permits: AIR PERMITS

A list of sites from the Illinois Environmental Protection Agency (IEPA) Document Explorer at which one or more of the documents is in the Air Permits (construction and operating) category. The IEPA Document Explorer provides online access to numerous Illinois EPA public records which are maintained in a digital format.

Government Publication Date: Apr 23, 2024

Underground Injection Control Wells: UIC

The Underground Injection Control (UIC) Program is a federal program established under the provision of the Safe Drinking Water Act of 1974. Since groundwater is a major source of drinking water in the United States, the UIC Program requirements were designed to prevent contamination of groundwater resulting from the operation of injection wells. The Underground Injection Well Inventory is provided by the Illinois Environmental Protection Agency. This inventory includes Class V Injections Wells which are utilized to inject non-hazardous waste into or above the Underground Source of Drinking Water.

Government Publication Date: Aug 1, 2019

Potentially Infectious Medical Waste Facilities: MEDICAL WASTE

Title 35 of the Illinois Administrative Code defines Potentially Infectious Medical Waste (PIMW) as waste generated in connection with the diagnosis, treatment (i.e., provision of medical services), or immunization of human beings or animals; research pertaining to the provision of medical services; or the provision or testing of biologicals. The Illinois Environmental Protection Agency's Bureau of Land is responsible for administering the PIMW program. The facilities included on this listing treat, store, transfer or dispose of PIMW.

Government Publication Date: Jun 6, 2023

Compost Facilities: COMPOST

The Illinois Environmental Protection Agency's Bureau of Land, Materials Management Unit maintains this list of composting facilities. Composting facilities provide an alternative option to managing and disposing of non-hazardous solid waste and/or landscape waste instead of the waste being landfilled. It is a natural form of recycling that turns some common kinds of household waste, like food and lawn wastes, into a dark organic material that can be used in a variety of beneficial ways.

Government Publication Date: Dec 1, 2023

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.