



# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
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In Reply Refer To:  
Project Code: 2026-0036910  
Project Name: McHenry Solar Farm LLC

01/15/2026 17:38:54 UTC

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

## To Whom It May Concern:

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

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

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

Additionally, please note that on March 23, 2022, the Service published a proposal to reclassify the northern long-eared bat (NLEB) as endangered under the Endangered Species Act. The U.S. District Court for the District of Columbia has ordered the Service to complete a new final listing

determination for the NLEB by November 2022 (Case 1:15-cv-00477, March 1, 2021). The bat, currently listed as threatened, faces extinction due to the range-wide impacts of white-nose syndrome (WNS), a deadly fungal disease affecting cave-dwelling bats across the continent. The proposed reclassification, if finalized, would remove the current 4(d) rule for the NLEB, as these rules may be applied only to threatened species. Depending on the type of effects a project has on NLEB, the change in the species' status may trigger the need to re-initiate consultation for any actions that are not completed and for which the Federal action agency retains discretion once the new listing determination becomes effective (anticipated to occur by December 30, 2022). If your project may result in incidental take of NLEB after the new listing goes into effect this will first need to be addressed in an updated consultation that includes an Incidental Take Statement. If your project may require re-initiation of consultation, please contact our office for additional guidance.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

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

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

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

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

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

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

## OFFICIAL SPECIES LIST

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

This species list is provided by:

**Chicago Ecological Service Field Office**

1511 47th Ave

Moline, IL 61265-7022

(309) 757-5800

## PROJECT SUMMARY

Project Code: 2026-0036910

Project Name: McHenry Solar Farm LLC

Project Type: Power Gen - Solar

Project Description: McHenry Solar Farm LLC plans to build a solar farm along the west side of S. Crystal Lake Road just north of Mason Mill Road in McHenry, Illinois 60050. The proposed project is located in Section 8 and 9, Township 44N, Range 8E. The proposed project site is approximately 37.0 acres. The project will involve installation of solar panels, fixed knot farm fencing, and a 20' wide access road with double gate.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@42.310499050000004,-88.31717219768683,14z>



Counties: McHenry County, Illinois

## ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

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

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

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

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

**MAMMALS**

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Endangered

**BIRDS**

NAME	STATUS
Whooping Crane <i>Grus americana</i> Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY) No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/758">https://ecos.fws.gov/ecp/species/758</a>	Experimental Population, Non- Essential

**INSECTS**

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Proposed Threatened
Rusty Patched Bumble Bee <i>Bombus affinis</i> There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/9383">https://ecos.fws.gov/ecp/species/9383</a>	Endangered
Western Regal Fritillary <i>Argynnis idalia occidentalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/12017">https://ecos.fws.gov/ecp/species/12017</a>	Proposed Threatened

**FLOWERING PLANTS**

NAME	STATUS
Eastern Prairie Fringed Orchid <i>Platanthera leucophaea</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/601">https://ecos.fws.gov/ecp/species/601</a>	Threatened

**CRITICAL HABITATS**

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

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

## **IPAC USER CONTACT INFORMATION**

Agency: Baxter and Woodman  
Name: Mariah Melone  
Address: 17009 Harmony Rd  
City: Marengo  
State: IL  
Zip: 60152  
Email: mkrueger@baxterwoodman.com  
Phone: 8154443265

# Endangered Species Act Review

← BACK

EXIT REVIEW

✓ Request an official species list

✓ Evaluate Determination Keys Complete

3 Analyze project (optional)

4 Download documentation

## Step 4: Download documentation

Review the guidance below and generate and download documents for your records.

1 Request an official species list  
Complete

 SPECIES LIST: CHICAGO ECOLOGICAL SERVICE FIELD OFFICE (1)

2 Evaluate determination keys  
Complete

- Northern Long-eared Bat and Tricolored Bat Range-wide Determination Key

 VIEW TECHNICAL ASSISTANCE LETTER

- Rusty Patched Bumblebee Rangewide Determination Key

 VIEW TECHNICAL ASSISTANCE LETTER

3 Analyze Project (optional)

RETURN TO ANALYSIS STEP



# **McHenry Solar Farm LLC**

## **Application for Conditional Use Permit**

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### **Drain Tile Mitigation Plan**

**Proposed 5.0 -Megawatt AC (MWac)  
Ground-Mounted Community Solar Energy System  
County of McHenry, Illinois  
January 2026**

### **Project Company / Applicant**

**McHenry Solar Farm LLC  
141 West Jackson Boulevard, Suite 1692  
Chicago IL 60604  
(224) 222-0035**

### **Developer**

**Surya Powered LLC**



# MSF Project Description

McHenry Solar Farm LLC (MSF) is proposing to construct a **5.0 MWac** community solar facility on an unincorporated parcel of land currently used for agricultural purposes. This type of use typically utilizes drain tiles to control and manage stormwater runoff.

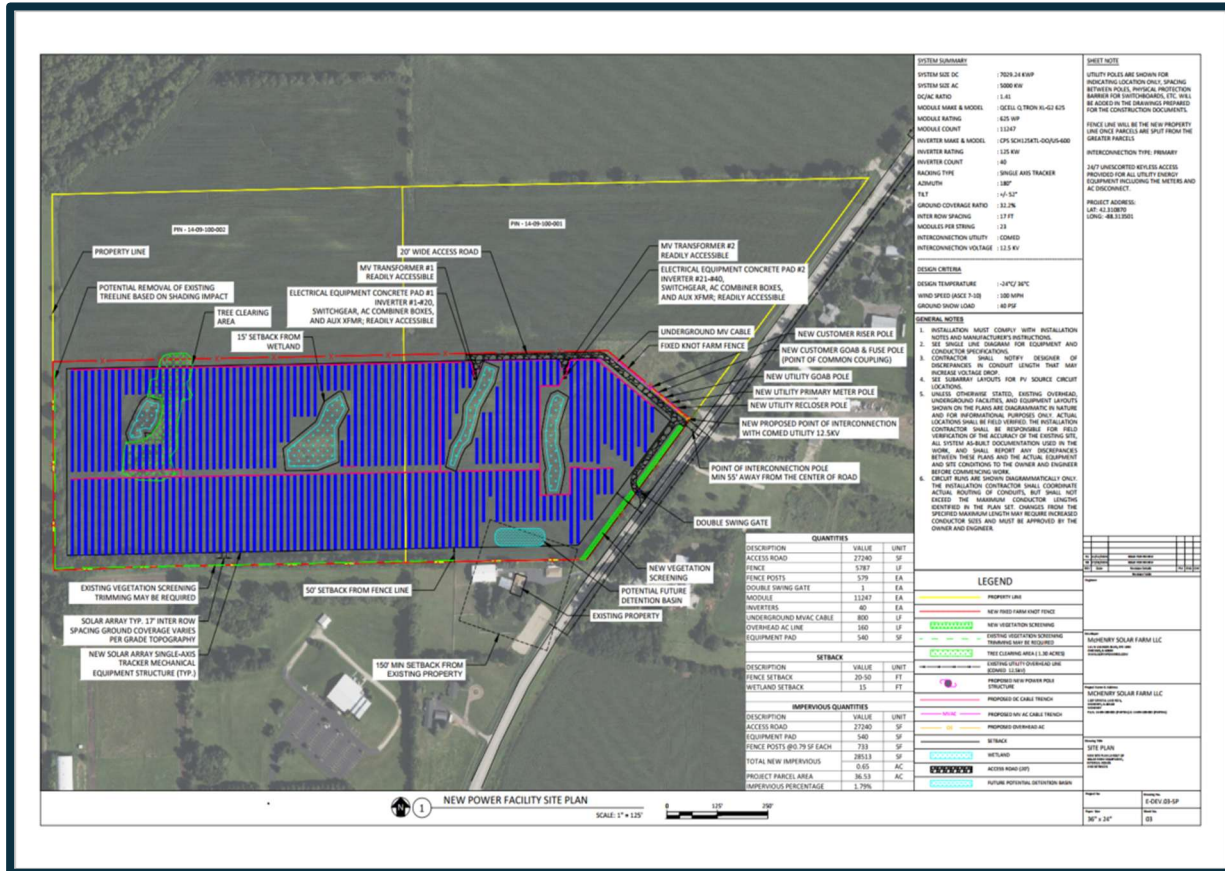


Exhibit A - McHenry Solar Farm LLC Site Plan

# MSF Mitigation Efforts

To minimize damage during construction of the facility and enable proper site restoration in the future, MSF is committed to conducting a **complete drain tile survey** of the parcel immediately upon receiving the project's conditional use permit (CUP) approval issued by McHenry County and prior to the issuance of construction permits.

This survey will compile information obtained from private landowners, McHenry County staff, a review of existing aerial photographs, and visual field observation. Data will then be aggregated into a mapped plan of all known or suspected drain tile systems onsite. The process will be an ongoing effort as any additional information is obtained prior to or during



construction. MSF is also required to restore the site/soil to its pre-development state under the conditions of approval associated with our CUP.

## Construction Protocol

For our immediate needs, MSF will follow this **construction protocol** to avoid and/or mitigate drain tile damage:

- To the best of our knowledge, present a project design which **minimizes impacts to known or suspected drain tile systems**. Construction activity and impacts on drainage will be managed through the project's SWPPP, included as part of the construction permit set. Contractors will be held responsible for identifying potential signs of damage through the construction/decommissioning process.
- **Known or suspected drain tiles** will be flagged in the field during construction. Drain tile locations shall be flagged using GPS technology.
- Following **AIMA guidelines**, if drainage tile lines are damaged, following adequate inspection, MSF will either
  - **Temporarily repair** the lines (Figure 1), or
  - **Install new, permanent drain tiles/lines** of comparable quality and cost to the original(s), and of sufficient size and appropriate slope in locations that limit direct impact from the facility, ensuring proper drainage is maintained (Figure 2).
- Should new drain tiles/lines be required, **new tiles/lines may be located outside of, but adjacent to, the perimeter of the facility**. Said repairs should be made **within 30 days of discovery**, or as permitted by weather conditions, and should restore drainage capability onsite prior to MSF development.
- Should damage occur during decommissioning, **repairs and/or installation of new tiles/lines shall be completed within 12 months** of the facility closure date.
- Incorporate all data into a **mapped plan or exhibit** attached as part of the construction permit set, facilitating decommissioning and site restoration.

## Complaint Resolution

MSF has established a **complaint resolution protocol** concerning overall operations and maintenance procedures associated with the facility. This protocol is extended to address concerns in a **timely and thorough manner**, regarding drainage solutions associated with repair or maintenance activity of existing or new drain tiles/lines.



## AIMA Requirements

MSF has executed an **Agricultural Impact Mitigation Agreement (AIMA)** with the **Illinois Department of Agriculture (IDOA)** to minimize/manage construction impacts associated with the development of our proposed facility.

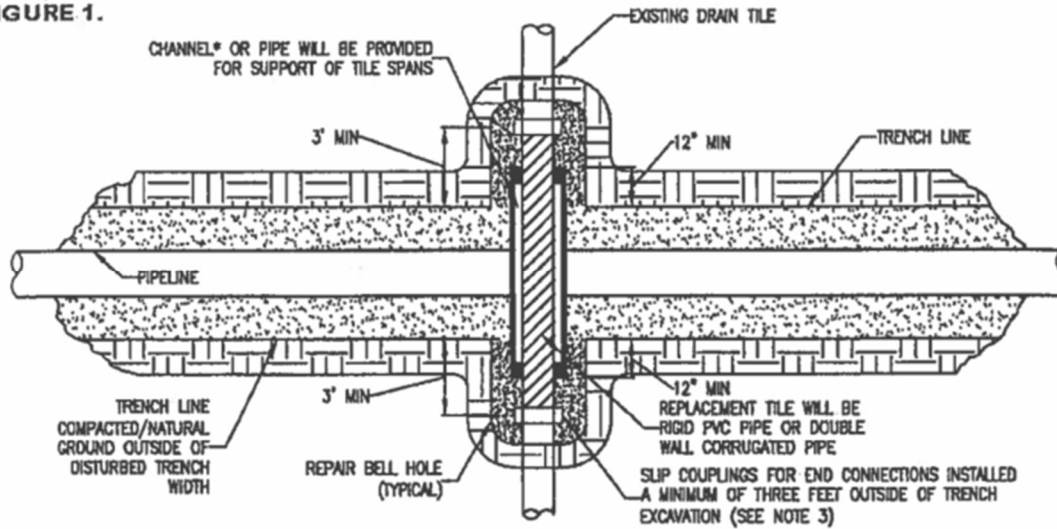
Potential damage could result when installing underground cables. Presuming cables will be removed upon decommissioning, pursuant to the AIMA, excavation for the installation of underground cables is limited to a depth of 18-inches within the facility's fenced perimeter or when traversing beneath an access road provided the cable path is marked at the surface. If cables are left in place, they may be buried to a depth of 5 feet.

The AIMA requires that within 60 days after construction is complete, MSF shall provide the landowner, IDOA, and the **McHenry-Lake Soil and Water Conservation District (MLSWCD)** with "**as built**" drawings (strip maps) showing the location of all drainage tile lines by survey station including any drain tile line repair location(s), and any underground cable installed as part of the MSF facility.

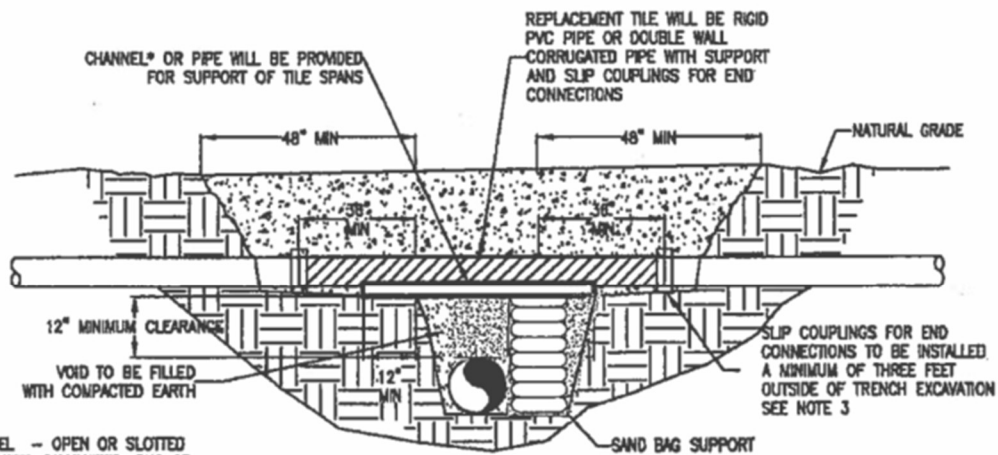
Any development activity on agricultural land inevitably creates potential for damaging existing drain tiles, leading to a problematic situation during the eventual decommissioning of MSF's facility at the end of its projected lifespan.



FIGURE 1.



PLAN  
N.T.S.



CROSS SECTION  
N.T.S.

\*CHANNEL - OPEN OR SLOTTED CORRUGATED GALVANIZED, PVC OR ALUMINUM CRADLE TO SUPPORT DRAIN TILE.

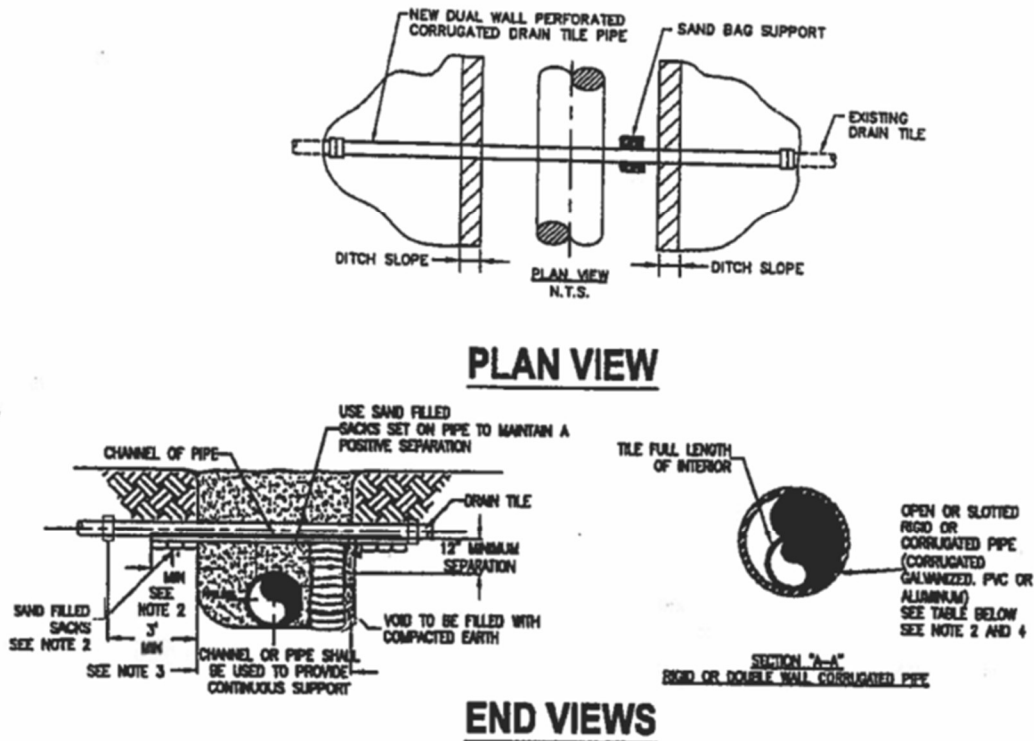
NOTE:

1. IMMEDIATELY REPAIR TILE IF WATER IS FLOWING THROUGH TILE AT TIME OF TRENCHING. IF NO WATER IS FLOWING AND TEMPORARY REPAIR IS DELAYED, OR NOT MADE BY THE END OF THE WORK DAY, A SCREEN OR APPROPRIATE "NIGHT CAP" SHALL BE PLACED ON OPEN ENDS OF TILE TO PREVENT ENTRAPMENT OF ANIMALS ETC.
2. CHANNEL OR PIPE (OPEN OR SLOTTED) MADE OF CORRUGATED GALVANIZED PIPE, PVC OR ALUMINUM WILL BE USED FOR SUPPORT OF DRAIN TILE SPANS.
3. INDUSTRY STANDARDS SHALL BE FOLLOWED TO ENSURE PROPER SEAL OF REPAIRED DRAIN TILES.

TEMPORARY DRAIN TILE REPAIR



FIGURE 2.



MINIMUM SUPPORT TABLE			
TILE SIZE	CHANNEL SIZE	PIPE SIZE	
3"	4" @ 5.4 #/ft	4"	STD. WT.
4'-5"	5" @ 6.7 #/ft	6"	STD. WT.
8'-9"	7" @ 9.8 #/ft	9'-10"	STD. WT.
10"	10" @ 15.3 #/ft	12"	STD. WT.

**NOTE:**

1. TILE REPAIR AND REPLACEMENT SHALL MAINTAIN ORIGINAL ALIGNMENT GRADIENT AND WATER FLOW TO THE GREATEST EXTENT POSSIBLE. IF THE TILE NEEDS TO BE RELOCATED, THE INSTALLATION ANGLE MAY VARY DUE TO SITE SPECIFIC CONDITIONS AND LANDOWNER RECOMMENDATIONS.
2. 1'-0" MINIMUM LENGTH OF CHANNEL OR RIGID PIPE (OPEN OR SLOTTED CORRUGATED GALVANIZED, PVC OR ALUMINUM CRADLE) SHALL BE SUPPORTED BY UNDISTURBED SOIL, OR IF CROSSING IS NOT AT RIGHT ANGLES TO PIPELINE, EQUIVALENT LENGTH PERPENDICULAR TO TRENCH. SHIM WITH SAND BAGS TO UNDISTURBED SOIL FOR SUPPORT AND DRAINAGE GRADIENT MAINTENANCE (TYPICAL BOTH SIDES).
3. DRAIN TILES WILL BE PERMANENTLY CONNECTED TO EXISTING DRAIN TILES A MINIMUM OF THREE FEET OUTSIDE OF EXCAVATED TRENCH LINE USING INDUSTRY STANDARDS TO ENSURE PROPER SEAL OF REPAIRED DRAIN TILES INCLUDING SLIP COUPLINGS.
4. DIAMETER OF RIGID PIPE SHALL BE OF ADEQUATE SIZE TO ALLOW FOR THE INSTALLATION OF THE TILE FOR THE FULL LENGTH OF THE RIGID PIPE.
5. OTHER METHODS OF SUPPORTING DRAIN TILE MAY BE USED IF ALTERNATE PROPOSED IS EQUIVALENT IN STRENGTH TO THE CHANNEL/PIPE SECTIONS SHOWN AND IF APPROVED BY COMPANY REPRESENTATIVES AND LANDOWNER IN ADVANCE. SITE SPECIFIC ALTERNATE SUPPORT SYSTEM TO BE DEVELOPED BY COMPANY REPRESENTATIVES AND FURNISHED TO CONTRACTOR FOR SPANS IN EXCESS OF 20', TILE GREATER THEN 10" DIAMETER, AND FOR "HEADER" SYSTEMS.
6. ALL MATERIAL TO BE FURNISHED BY CONTRACTOR.
7. PRIOR TO REPAIRING TILE, CONTRACTOR SHALL PROBE LATERALLY INTO THE EXISTING TILE TO FULL WIDTH OF THE RIGHTS OF WAY TO DETERMINE IF ADDITIONAL DAMAGE HAS OCCURRED. ALL DAMAGED/DISTURBED TILE SHALL BE REPAIRED AS NEAR AS PRACTICABLE TO ITS ORIGINAL OR BETTER CONDITION.

**PERMANENT DRAIN TILE REPAIR**





# **McHenry Solar Farm LLC**

## **Application for Conditional Use Permit**

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### **Preliminary Stormwater Management Program** **Outlining Best Management Practices (BMPs)**

**Proposed 5.0 -Megawatt AC (MWac)**  
**Ground-Mounted Community Solar Energy System**  
**County of McHenry, Illinois**  
**January 2026**

### **Project Company / Applicant**

**McHenry Solar Farm LLC**  
**141 West Jackson Boulevard, Suite 1692**  
**Chicago IL 60604**  
**(224) 222-0035**

### **Developer**

**Surya Powered LLC**



# MSF Project Description

McHenry Solar Farm LLC (MSF) is proposing to construct a **5.0 MWac** community solar facility on an unincorporated parcel of land currently used for agricultural purposes. This type of use typically utilizes drain tiles to control and manage stormwater runoff.

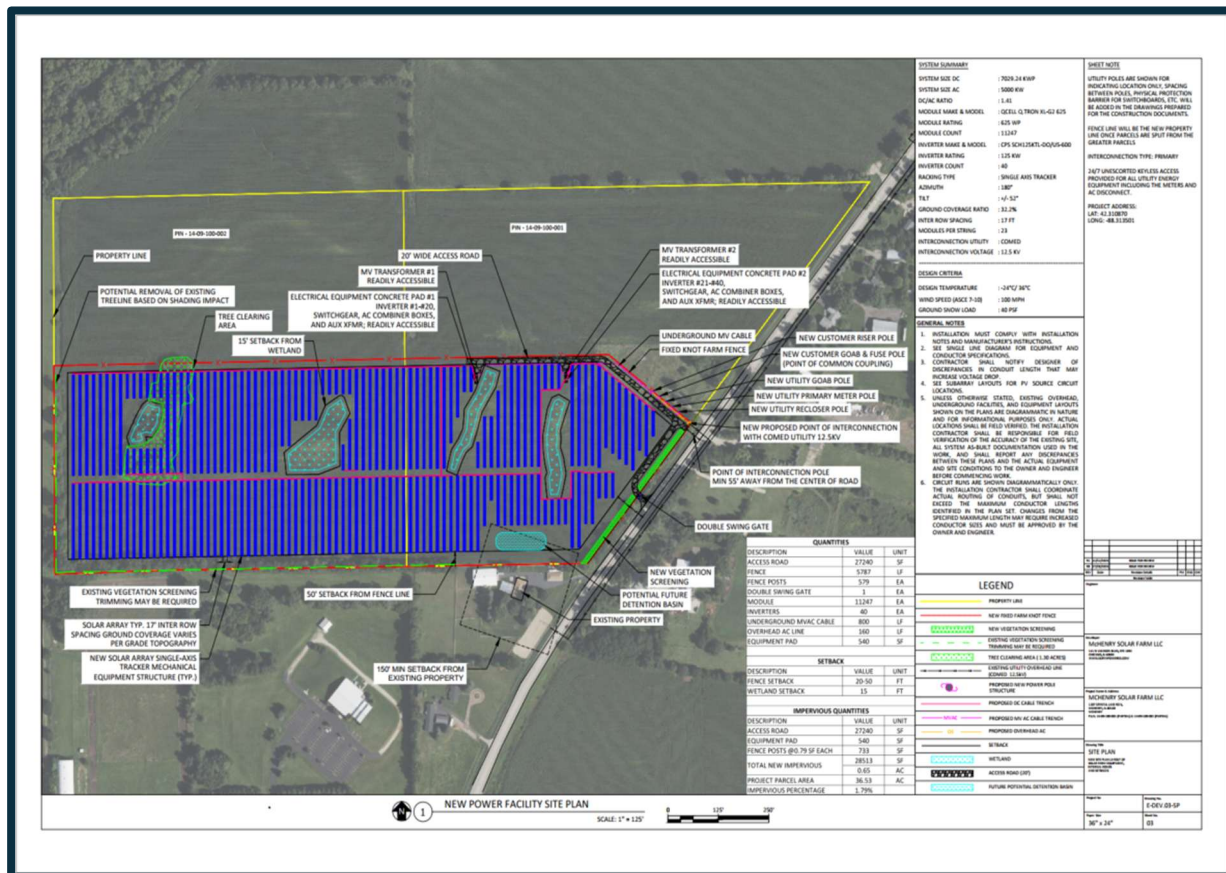


Exhibit A - McHenry Solar Farm LLC Site Plan

# MSF Stormwater Management

McHenry Solar Farm LLC is committed to implementing the **best management practices (BMPs)** deemed appropriate and applicable stormwater management practices during the construction of the MSF facility after a thorough review by McHenry County staff as part of the permitting process.

To minimize damage during construction of the facility and enable proper site restoration in the future, MSF is committed to conducting a **complete drain tile survey** of the parcel immediately upon receiving the project's conditional use permit (CUP) approval issued by McHenry County and prior to the issuance of construction permits.



MSF has executed an **Agricultural Impact Mitigation Agreement (AIMA)** with the **Illinois Department of Agriculture (IDOA)** to minimize/manage construction impacts associated with the development of our proposed facility.

MSF staff have also established a **complaint resolution protocol** concerning overall operations and maintenance procedures associated with the facility. This protocol is extended to address concerns in a **timely and thorough manner**, regarding stormwater drainage solutions associated with project development.

## MSF Preliminary Stormwater Management

The following items outline our understanding of the stormwater requirements a typical community solar developer may face, both during construction and later, operations. As well as detailing specific efforts MSF staff will undertake to expedite the review process.

- **Stormwater Management, NPDES Permits and grading permits** will be obtained as required by McHenry County.
- **Pre-Construction Base Flood Elevation (BFE)** will be determined.
- **Onsite wetlands and flood plain areas** will be delineated on the preliminary site plan and construction permit sets.
- **Soil mapping** is reflected in the MLSWCD NRI report.
- **Volumetric BMP** will be implemented for all impervious, including, but not limited to pedestals, panels, and access road.
- **A Drain Tile Survey** will be completed after the CUP process is concluded, but prior to the submittal of construction permit plans, identifying existing conditions and needed repairs or replacements.
  - Runoff calculations, release rates and discharges will be calculated at civil permitting.
  - Stormwater conveyance/swales will be sized per McHenry County requirements.
  - No sanitary or drain tile connections are planned.
- **General BMPs** to be implemented
  - The MSF preliminary site plan design is based on existing contours; no significant grading is anticipated.
  - Existing vegetation will be preserved where possible while the onsite seeding program of pollinator-friendly plantings will be pursued after main construction is complete.



- Manage runoff to protect vulnerable areas and storm drains using barriers, wattles, matting, etc.
- **Ongoing Maintenance BMPs**
  - Create an emergency spill response plan.
  - MSF personnel will undergo training regarding operations, equipment and landscaping protocols. MSF staff have prepared a preliminary **Operations and Maintenance Plan (OMP)** outlining these efforts.
  - Involve local fire departments were consulted early in the development process regarding the site plan; a preliminary **Emergency Response Plan (ERP)** has been prepared and will be updated to reflect final design. Training for emergency responders is a key element of the ERP.
- **Water quality factors**
  - A **Storm Water Pollution Prevention Plan (SWPPP)** and a **Temporary Erosion and Sediment Control Plan (TESC)** will be developed for the MSF project; utilizing a combination of silt fences, storm drain inlet barriers, matting, or other mechanisms deemed necessary by McHenry County.
- **Stabilized construction entrance and sediment trap(s)** will be implemented, as required.
- **Access road culvert(s)** will comply with McHenry County design requirements and/or weight limitations associated with construction and/or fire equipment.





# **McHenry Solar Farm LLC**

## **Application for Conditional Use Permit**

---

### **Landscape Maintenance & Monitoring Plan**

**Proposed 5.0 -Megawatt AC (MWac)  
Ground-Mounted Community Solar Energy System  
County of McHenry, Illinois  
January 2026**

### **Project Company / Applicant**

**McHenry Solar Farm LLC  
141 West Jackson Boulevard, Suite 1692  
Chicago IL 60604  
(224) 222-0035**

### **Developer**

**Surya Powered LLC**



## Purpose & Intent

While energy production is the primary goal of a community solar facility, to assure the health, longevity and effectiveness of landscaping installed as part of the **McHenry Solar Farm LLC (MSF)** project, and to fully comply with the requirements of the **McHenry County Code**, MSF staff are preparing a detailed **Landscape Plan (LP)** and **Landscape Monitoring and Maintenance Plan (LMMP)**.

Taken together, these documents will outline the MSF project's **degree of compliance with code requirements, conditions of approval, and best management practices (BMPs)** traditionally associated with successful landscape installations; serving as a guide for contractors charged with the original installation and ongoing maintenance activity over the project's lifecycle.

## Ecological Responsibility

When the extended lifespan of a community solar facility is combined with the amount of acreage utilized, the overall long-term impact on affected ecosystems becomes a primary concern. MSF views this responsibility as an opportunity to minimize impacts related to the facility while enhancing the benefits realized through **improved soil quality**.

Like most solar facilities, MSF is located on relatively flat land, historically used for agricultural purposes. Repeated **cycles of agricultural production** can have a diminishing effect on soil quality. The use of fertilizers and chemical treatments can help restore nutrients in the short term, but even with the use of crop rotation techniques, the impact on soil quality can be damaging. As an interim use, MSF acknowledges an **ecological responsibility** undertaken to enhance soil quality and implement BMPs via the:

- **Selection of plants and seed mixtures.**
- **Physical location of components to natural features.**
- **Measures taken to maintain proper drainage and control runoff.**

## MSF Monitoring & Maintenance

Specific plantings and seed mixtures will be chosen and installed in accordance with current guidelines put forth by the McHenry Lake Soil and Water Conservation District, State of Illinois Department of Natural Resources, and McHenry County code.

MSF's seed mixtures have been chosen to maximize soil improvement. Pollinator friendly plantings will support a thriving native habitat while limiting the height of our vegetation, eliminating any conflict with solar panel base heights – typically 36" above grade. The selection of flowering species will attract birds, bees and insects while occupying space which may otherwise be occupied by noxious weeds or invasive species. The practical



benefits are enhanced by the visual aesthetic provided by plantings blooming throughout the annual growing cycle.

Based on common practice within the solar industry, MSF is proposing a **stewardship program** covering the initial five (5) years with maintenance elements continuing through the remainder of the project's lifecycle. The program is intended to be adaptive as the ecological health of the site will likely be subjected to changes over time. The project's overall elements include:

- **Site assessment; selection of seed mixture, trees and shrubs.**
- **Proper installation/establishment of plantings.**
- **Routinely checking on the health of trees and shrubs.**
- **Replacement of dead trees and shrubs.**
- **Regular inspections and maintenance activity.**
- **Monitor ground cover and need for unscheduled maintenance.**
- **Check for noxious weeds and invasive species.**

#### **Site Assessment**

- Review site topography, drainage pattern and soil types.
- Select/confirm seed mix intended to provide onsite diversity and soil stabilization through sustained root growth, habitat enhancement and aquifer/groundwater recharge.

#### **Site Preparation & Seeding**

- Conduct preliminary land clearance, rock picking and tree removal activity as needed.
- Grade the site prior to seeding or soil preparation activity.
- Remove fescue or broadleaf plantings (if present); allow at least 30 days before disturbing site after removal. Snow/frost seeding optional if schedule allows.
- Disk the solar field site prior to seeding using disk harrows; improving soil texture, aeration and moisture infiltration.
- Seed the site using broadcast spreaders in multiple seeding passes; assuring seed distribution.

#### **Vegetation Management**

The selected landscape contractor will coordinate with **local maintenance contractors** to conduct **regular inspections and maintenance activity** during growing seasons, over the project's lifespan. This management plan is intended to be adaptive, evolving strategies and modifying plans to reflect changing circumstances affecting the site's ecology/habitats.



Subject to further ongoing review by our landscape consultants, a **complete site mowing** of the MSF site should be considered, **once every three (3) years**, in the interest of integrated vegetation management, mulching biomass and recycling nutrients into the soil.

MSF's ongoing stewardship of onsite vegetation will focus on an initial **Establishment Phase (Years 1-5)**, followed by a **Development Phase (Years 6-10)**, and continual monitoring through a **Maturation Phase (Years 11 through Decommissioning)**.

<b>Establishment Phase – Year 1</b>	
<i>... typically initiated during the spring of Year 1 after seed installation; if seeded in summer or fall, maintenance and monitoring begins the following year</i>	
<b>Ground Cover</b>	Within ninety (90) days of seed installation (or after the start of the growing season following dormant seeding), approximately ninety percent (90%) of the seeded area, as measured by aerial cover, will be vegetated or otherwise stabilized against erosion. If the minimum is not met, additional seeding is required in those areas lacking coverage
<b>Site Visits</b>	Conducted 1-3 times throughout summer and fall
<b>Species Control</b>	During each visit ... <ul style="list-style-type: none"> <li>• Monitor vegetation height and presence of invasive species</li> <li>• Control invasive species; physical removal or selective herbicide treatment using tractor and/or ATV-mounted sprayers</li> <li>• Herbicides used should be animal-friendly and applied by trained personnel</li> <li>• Monitor tree/shrub health; flag for removal/replacement if needed</li> </ul>
<b>Mowing</b>	<ul style="list-style-type: none"> <li>• Using zero-radius mowing equipment</li> <li>• Maximum of 3 times in areas exceeding 16" height</li> <li>• Areas under 16" height may be left for next visit</li> <li>• If any, cut back newly seeded areas to 10" height</li> </ul>
<b>Reporting</b>	After each visit, report activities, site conditions, and recommendations to operator

<b>Establishment Phase – Year 2</b>	
<b>Ground Cover</b>	Planted areas should have a minimum of fifty percent (50%) ground cover by species included in the final seed mix (excluding any cover crop or invasive species). If this standard is not met, corrective action should be initiated ASAP.
<b>Site Visits</b>	Conducted 1-3 times beginning in spring



<b>Species Control</b>	<p>During each visit ...</p> <ul style="list-style-type: none"> <li>• Monitor vegetation height and presence of invasive species</li> <li>• Control invasive species; physical removal or selective herbicide treatment using tractor and/or ATV-mounted sprayers</li> <li>• Monitor tree/shrub health; flag for removal/replacement if needed</li> </ul>
<b>Mowing</b>	<p>During first visit ...</p> <ul style="list-style-type: none"> <li>• Using zero-radius mowing equipment</li> <li>• Cut back all areas to 10” height, removing dead stalks and seed heads</li> </ul> <p>After first visit ...</p> <ul style="list-style-type: none"> <li>• Maximum of 3 times in areas exceeding 16” height</li> <li>• Areas under 16” height may be left for next visit</li> <li>• If any, cut back newly seeded areas to 12” height</li> <li>• Plant additional seed to address areas of poor coverage; increasing plant competition and enhancing biodiversity onsite</li> </ul>
<b>Reporting</b>	After each visit, report activities, site conditions, and recommendations to operator

### Establishment Phase – Years 3-5

<b>Ground Cover</b>	Planted areas should have a minimum of seventy-five percent (75%) ground cover by species included in the final seed mix (excluding any cover crop or invasive species). If this standard is not met, corrective action should be initiated ASAP.
<b>Site Visits</b>	Conducted seasonally throughout spring, summer and fall
<b>Species Control</b>	<p>During each visit ...</p> <ul style="list-style-type: none"> <li>• Monitor vegetation height and presence of invasive species</li> <li>• Control invasive species; physical removal or selective herbicide treatment using tractor and/or ATV-mounted sprayers</li> <li>• Herbicides used should be animal-friendly and applied by trained personnel</li> <li>• Monitor tree/shrub health; flag for removal/replacement if needed</li> </ul>
<b>Mowing</b>	<ul style="list-style-type: none"> <li>• Using zero-radius mowing equipment</li> <li>• Maximum of 3 times maintaining a maximum 16” height</li> <li>• Areas under 16” height may be left for next visit</li> <li>• If any, cut back newly seeded areas to 10” height</li> </ul>
<b>Reporting</b>	After each visit, report activities, site conditions, and recommendations to operator



<b>Development Phase – Years 6-10</b>	
<b>Site Visits</b>	Conducted a minimum of twice annually – early spring and late summer/early fall
<b>Species Control</b>	<p>During each visit ...</p> <ul style="list-style-type: none"> <li>• Monitor vegetation height and presence of invasive species</li> <li>• Control invasive species; physical removal or selective herbicide treatment using tractor and/or ATV-mounted sprayers</li> <li>• Herbicides used should be animal-friendly and applied by trained personnel</li> <li>• Monitor tree/shrub health; flag for removal/replacement if needed</li> </ul>
<b>Mowing</b>	<ul style="list-style-type: none"> <li>• Using zero-radius mowing equipment</li> <li>• Spring mowing should cut back vegetation to 10” height, removing dead stalks and seed heads</li> <li>• Fall mowing should focus on areas exceeding 24” height</li> <li>• Areas under 24” height may be left for next season</li> </ul>
<b>Reporting</b>	After each visit, report activities, site conditions, and recommendations to operator

<b>Maturation Phase – Year 11-Decommissioning</b>	
<b>Site Visits</b>	Conducted a minimum of twice annually – early spring and late summer/early fall
<b>Species Control</b>	<p>During each visit ...</p> <ul style="list-style-type: none"> <li>• Monitor vegetation height and presence of invasive species</li> <li>• Control invasive species; physical removal or selective herbicide treatment using tractor and/or ATV-mounted sprayers</li> <li>• Herbicides used should be animal-friendly and applied by trained personnel</li> <li>• Monitor tree/shrub health; flag for removal/replacement if needed</li> </ul>
<b>Mowing</b>	<ul style="list-style-type: none"> <li>• Using zero-radius mowing equipment</li> <li>• Spring mowing should cut back vegetation to 10” height, removing dead stalks and seed heads</li> <li>• Fall mowing should focus on areas exceeding 24” height</li> <li>• Areas under 24” height may be left for next season</li> </ul>
<b>Reporting</b>	After each visit, report activities, site conditions, and recommendations to operator





# **McHenry Solar Farm LLC**

## **Application for Conditional Use Permit**

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### **Construction Trip Generation Estimate**

**Proposed 5.0 -Megawatt AC (MWac)  
Ground-Mounted Community Solar Energy System  
County of McHenry, Illinois  
January 2026**

### **Project Company / Applicant**

**McHenry Solar Farm LLC  
141 West Jackson Boulevard, Suite 1692  
Chicago IL 60604  
(224) 222-0035**

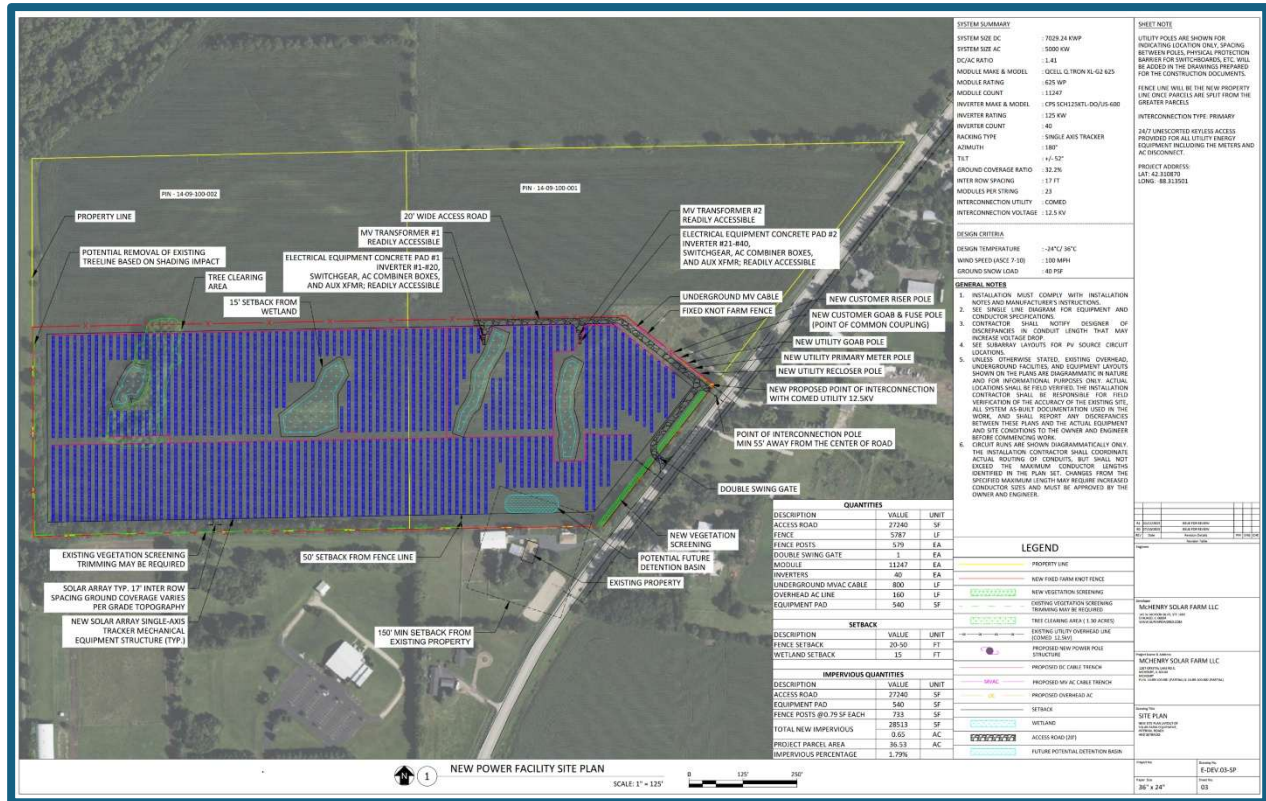
### **Developer**

**Surya Powered LLC**



# Introduction

The Applicant is proposing an initial draft of the **Construction Trip Generation Estimate (CTGE)** with **estimated trip generation** for consideration during the **Conditional Use Permit** review process. A final CTGE will be prepared once a principal or general contractor is retained and in advance of construction; identify measures to mitigate the impact of vehicles during the construction period in accordance with established practices enforced by **McHenry County**.



**Exhibit A - McHenry Solar Farm LLC Site Plan**

# Construction Phasing

Construction of the McHenry Solar Farm will be conducted in **three major phases** detailed below: site preparation, installation, and final testing. The Applicant estimates that the **construction of the MSF facility will require a minimum of 4-6 months**; assuming no technical, product supply, or logistical setbacks, and suitable weather conditions prevail. ComEd will upgrade the capacity of nearby infrastructure systems to enable the facility to supply energy directly to the utility grid; a process which may require 8-12 months for overall completion.



➤ **Phase I – Site Preparation**

Site preparation begins with **land clearance** – the removal of trees, vegetation, and current crops from the project area. Clearance enables **preliminary grading and fill activity**, and the implementation of measures outlined in a **Stormwater Pollution Prevention Plan (SWPPP)** for erosion control. A temporary access road is laid out and an area set aside for the storage of construction materials and onsite parking for workers. Debris will be properly disposed of offsite.

➤ **Phase II – Site Installation**

Site installation will start the **excavation** needed for the installation of underground wiring, trenching for foundation poles, and setting up perimeter fencing. **Project components** will be installed - racking systems and modules – followed by connecting the balance of system (BoS) equipment including wiring, combiner boxes, transformers, and inverters.

➤ **Phase III – Final Testing**

Site testing is the final phase, verifying the **operational status** of the project’s utility interconnection, BoS equipment, and monitoring systems. Completion of this phase finalizes the facility prior to the facility’s energization - its **commercial operations date (COD)**.

<b>Construction Trip Generation Estimate</b>			
	Vehicle Trips		
	Daily	AM Peak	PM Peak
<b>Phase 1 – Site Preparation</b>			
<b>Construction Workers (10)</b>	<b>30</b>	<b>4</b>	<b>4</b>
<b>Flatbed Delivery Trucks</b>	<b>4</b>	<b>2</b>	<b>2</b>
<b>Specialty/Panel Trucks</b>	<b>2</b>	<b>1</b>	<b>1</b>
<b>Total</b>	<b>36</b>	<b>7</b>	<b>7</b>
<b>Phase 2 – Equipment Installation</b>			
<b>Construction Workers (40)</b>	<b>120</b>	<b>15</b>	<b>15</b>
<b>Flatbed Delivery Trucks</b>	<b>10</b>	<b>1</b>	<b>1</b>
<b>Specialty/Panel Trucks</b>	<b>4</b>	<b>1</b>	<b>1</b>
<b>Total</b>	<b>134</b>	<b>17</b>	<b>17</b>
<b>Phase 3 – Testing &amp; Inspection</b>			
<b>Construction Workers (20)</b>	<b>70</b>	<b>9</b>	<b>9</b>
<b>Flatbed Delivery Trucks</b>	<b>6</b>	<b>1</b>	<b>1</b>
<b>Specialty/Panel Trucks</b>	<b>2</b>	<b>1</b>	<b>1</b>
<b>Total</b>	<b>78</b>	<b>11</b>	<b>11</b>

Aspects of a construction process vary as the work proceeds. **Heavier equipment** will be used onsite at the beginning of the construction and will likely remain for the duration of their work.

Daily vehicular traffic will primarily consist of **delivery trucks and workers’ vehicles** (passenger cars, SUVs and light trucks). **Flatbed trucks, dump trucks and/or water trucks** will be utilized to deliver equipment and handle any soil import/export work.



## Construction Routes

Construction and maintenance routes will originate from the interstate highway system and utilize local state or county highways to directly access the project site. While routes will be finalized based on the suppliers' locations, the Applicant is confident the following segments will be the logical choices as described below.

- ❖ **From the North**
  - Illinois Route 120 to Crystal Lake Road
- ❖ **From the East/West**
  - Bull Valley Road to Crystal Lake Road
- ❖ **From the South**
  - Illinois Route 176 to Walkup Road to Crystal Lake Road

The highest amount of daily traffic will be generated by construction workers traveling to/from the site; most are expected to **arrive at the site before 7:00 AM** and will likely **depart prior to the evening peak travel time (4:00 PM-6:00 PM)**. But we estimate 25% of the trips may arrive or depart within the peak travel times.

At this stage, it is impossible to calculate specific deliveries, types of vehicles onsite, or the number of workers. However, based on previous solar project construction by a number of developers, the estimated trip generation data will prove fairly accurate.

With the use of offsite monitoring of the facility on a 24/7/365 basis, **MSF operations will require significantly fewer trips** than during any construction phase. There will be no personnel onsite during operations. **Landscape maintenance** will be required an estimated 6-8 times per year, as will **equipment maintenance and/or replacement activity** which will occur on an as-needed basis. Please refer to the appropriate planning documentation prepared by MSF staff for further details on operations, maintenance and/or emergency response protocols.

While guidelines vary by jurisdiction, MSF believes **the projected number of peak trips generated by this project does *not* dictate a traffic impact study**. With a high of 17 peak trips the likelihood of any significant impact on the **level of service (LOS)** at nearby intersections is clearly minimal

## Traffic Control Measures

The general contractor may employ several **sub-contractors** on the Site, and all will fall under the umbrella of a **traffic control plan (TCP)** and will have an obligation to adhere to the extent possible.



The final TCP will confirm the construction schedule and the agreed construction routes to the site, with TCP management entrusted to the **Site Superintendent** - responsibilities including managing traffic, onsite loading/unloading, material and equipment storage, workers' parking and associated environmental effects, including, but not limited to, the following:

➤ **Administration**

The Site Superintendent will ensure that all construction personnel are made aware of the TCP and its provisions, as well as the content/protocols of the **MSF Emergency Response Plan**.

A **list of stakeholder/emergency contacts** shall be compiled and maintained by the Site Superintendent for use in the event of an emergency, including the location of the nearest hospital, fire assembly points and inclement weather procedures.

➤ **Employee Parking**

**Workforce parking** will be provided entirely within the confines of the site and will not be permitted on the adjacent roads.

➤ **Signage**

**Temporary construction signage** will be erected in the vicinity of the project to warn people of construction activity and vehicle turning movements at the access drive. The exact nature and location of signage will be confirmed with **McHenry County Department of Transportation**.

➤ **Delivery Coordination**

Schedule deliveries to avoid morning (7:00 AM-9:00 AM) and evening (4:00 AM-6:00 PM) peak travel times to the extent possible; minimizing potential traffic congestion.

➤ **Route Control**

Direct deliveries to **identified construction routes**; enabling an accurate assessment of construction impacts on roadways and preventing traffic on non-designated construction routes.

➤ **Waste Control, Dust and Debris Management**

Apply a **reduce-recycle-reuse philosophy** where possible throughout construction supporting sustainability and cost controls. Locations will be designated onsite for the **temporary storage of debris** during the construction and decommissioning phases.

To reduce dust and debris deposited onto the **local road network**, a wheel cleaning facility may be installed. If required, a road sweeper may also be deployed to ensure Crystal Lake Road is kept free of dust and dirt.





# **McHenry Solar Farm LLC**

## **Application for Conditional Use Permit**

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### **Operations & Maintenance Plan (OMP) & Guidelines**

**Proposed 5.0 -Megawatt AC (MWac)  
Ground-Mounted Community Solar Facility  
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#### **Project Company / Applicant**

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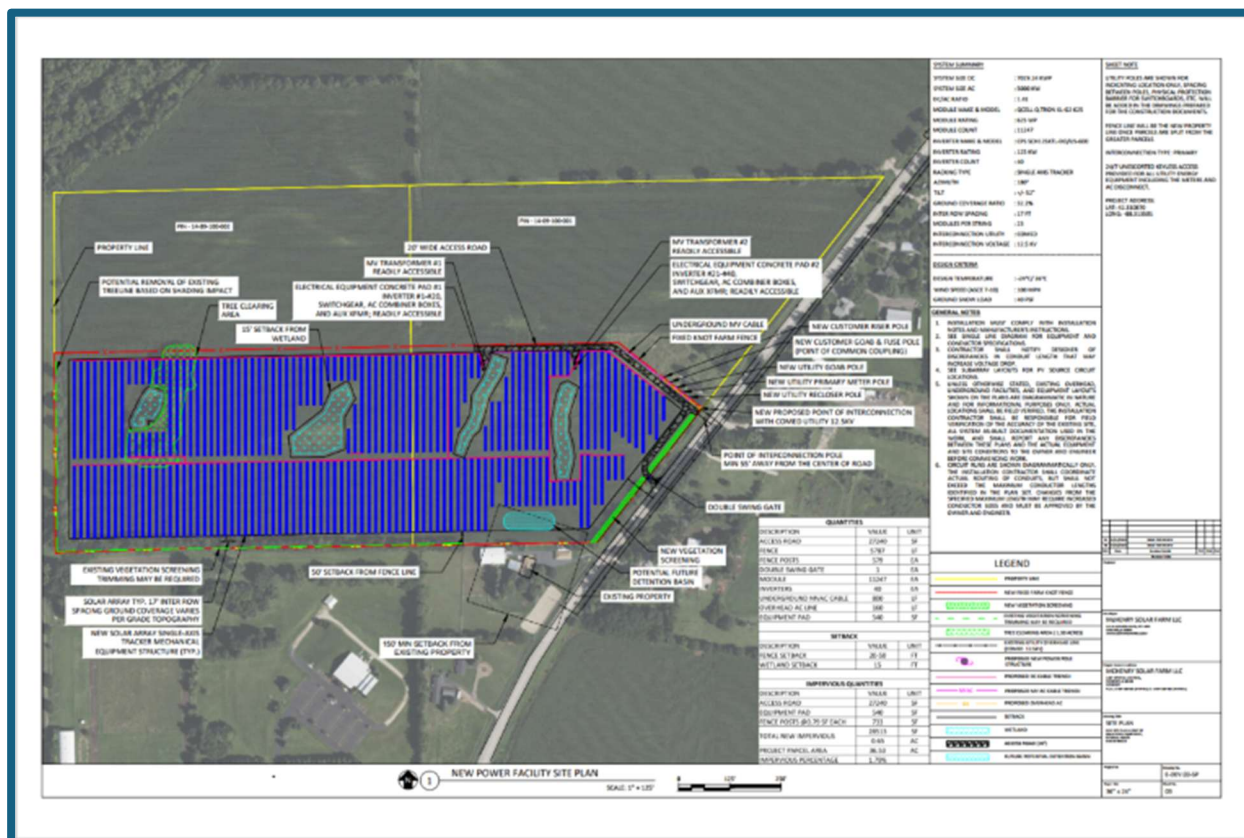
#### **Developer**

**Surya Powered LLC**



## Purpose & Intent of the OMP

The management team for **McHenry Solar Farm LLC (MSF)** is establishing an **Operations & Maintenance Plan and Guidelines (OMP)** to provide guidance in the project's development and operation over the lifespan of the MSF project.



**Exhibit A - McHenry Solar Farm LLC Site Plan**

With an established OMP continually implemented, the McHenry Solar Farm LLC will become not only a successful investment but also a reliable element in Illinois' utility grid, producing the following results:

- **Ensuring public safety, mitigating the risk of a hazardous event**
- **Maintaining the aesthetics provided for in the project's site plan**
- **Increasing the system's efficiency and energy delivery (MWh/MW)**
- **Decreasing downtime due to equipment issues (Hours/Year)**
- **Guaranteeing the life of the solar installation (25-40 Years)**
- **Reducing the total cost of operations and maintenance (\$/kW/Year)**
- **Qualifying the need for financing and warranty support**



## Commissioning the MSF System

Solar farm operators must adhere to a range of reporting requirements – from generation data and environmental impact metrics to equipment maintenance and regulatory filings. Specific documentation and testing are required to have the system initially commissioned for operation. When taken together, these elements form the foundation of the MSF OMP; including the following:

- **Applicable System Standard** > IEC 62446 Grid Connected PV Systems ... detailing minimum requirements for system documentation, commissioning tests and inspections.
- **MSF OMP manuals, documentation and equipment datasheets.**
- **PV System Inspection Report** ... documenting MSF project compliance with codes and standards.
- **PV Array Test Report** ... providing details of the MSF PV array and the results of polarity, insulation, grounding, voltage and current tests.
  - Testing Standards > IEC 61724 using measurement standards Part 1 (Methodology), Part 2 Capacity) and Part 3 (Energy). Examples of these tests include, but are not limited to:
    - Fuses ... Inverters/Combiner Boxes
    - Operating Voltage/Current
    - Open Circuit Voltage
    - Short Circuit Current
    - Continuity of Grounding System
    - Integrity of Insulation in Power Circuitry
- **System Performance Test** ... comparing performance ratio – actual vs predicted – using an estimate based on environmental conditions.
- **System Verification Certificate** ... certifies MSF commissioning process was conducted according to standard; documentation typically needed to keep the project bankable and audit ready.

## Proposed Scope of the MSF OMP

The scope of operations and maintenance activities consists of four parts:

- **Administration**
- **Monitoring**
- **Preventative Maintenance**
- **Corrective Maintenance.**

## Administrative

Administrative operations focus on **billing and accounting processes**, including handling **warranty claims** resulting in component replacement. Administrative operations should consider the long-term staffing, budget, and training required for continued support - minimizing MSF downtime.



Having documented instructions to outline procedures and contacts makes a big difference in the effectiveness of your maintenance strategy. MSF staff will create a location-based qualified list of trades available if an event occurs. With the remote monitoring associated with community solar installations such as MSF, responsibilities for overseeing the system and communicating operational needs must be clearly defined.

## Monitoring

**Remote monitoring – 24/7/365** - of solar production is the critical element in implementation of the OMP. Responding to alarm triggers, **detecting underperformance** early and having the ability to **diagnose problems in real-time** is but the first step in problem resolution and maintaining energy output over time. System production trends can be useful in planning for future maintenance when the system's efficiency degrades over time.

Monitoring involves measuring the system's performance and simultaneously identifying irregular trends and triggering alerts when production levels are impacted. Alerts provide insight into the specific components creating the issue and a quick response by MSF staff will limit the side effects of downtime. Onsite inspections may also be required to spot any structural hazards. Analysis of **daily/weekly reports** can often highlight performance trends in advance of impacts on the system.

## Preventative Maintenance

Preventative maintenance for solar assets is **a proactive strategy** that reduces the chance of failure resulting in unplanned downtime. A preventative strategy can include scheduled cleaning, component replacements, and/or system repairs - increasing the operational performance of the system and its components. Preventative maintenance can be scheduled in advance and is typically recorded as both long and short-term expenses.

For example, while solar panels do not necessarily require any cleaning in our climate, as the structural incline combined with precipitation may clean it naturally. Unfortunately, streaks, algae, and/or dust can occasionally build up and decrease production. Without routine maintenance, there is an increasing chance for broader issues to occur that can negatively impact energy production and user safety. After a period of operation, the need for cleaning MSF panels can be more accurately assessed and subsequent measures taken to prevent system impacts.

Routine inspection, testing electrical connections, and checking structural integrity for rust and corrosion are all elements of an effective OMP. Manufacturing guidelines provide a starting point for inspections which can provide directions for cleaning, maintenance documentation, and vegetation maintenance around the panel racking.

## Corrective Maintenance

Additional budget is programmed for corrective maintenance to account for unplanned events. To minimize loss of revenue, an immediate response is the best strategy. The **most likely problems are equipment-related** - a failed inverter or loss of an individual panel string due to faulty wiring.



While predicting these events is impossible, MSF staff are provided with a checklist - detailing a simple process to address them, including which stakeholders to call, safety considerations, tools and equipment needed. A series of spare parts may be reserved onsite to hasten deployment in the event of an emergency. The service frequency list below is simplified but should be regularly checked and revised as needed.

<b>McHenry Solar Farm LLC OMP Service Frequency</b>	
<b>Visual Site Inspection &amp; Report</b>	<b>Semi-Annual (Spring &amp; Fall)</b>
<b>System Performance Analysis &amp; Reports</b>	<b>Quarterly</b>
<b>Remote Monitoring (24/7/365)</b>	<b>Ongoing</b>
<b>Site Access Road/Gate</b>	<b>Ongoing (Minimum Spring &amp; Fall)</b>
<b>Vegetation Management</b>	<b>Ongoing (Minimum Spring &amp; Fall)</b>
<b>MV Equipment: Preventive Maintenance</b>	<b>Ongoing (Minimum Spring &amp; Fall)</b>
<b>IV Curve Tracing</b>	<b>As Needed</b>
<b>String-Level Open Circuits: Voltage &amp; Operating Current</b>	<b>Annually (Spring)</b>
<b>Inverters: Preventive Maintenance</b>	<b>Annually (Spring)</b>
<b>Thermal Imaging: Combiners, Inverters, Disconnects</b>	<b>Annually (Spring)</b>
<b>Stormwater Management System</b>	<b>Ongoing (Minimum Spring &amp; Fall)</b>
<b>Warranty Enforcement</b>	<b>Ongoing</b>

## Monitoring: Site Visits & Service Reports

- **Service Reports:**
  - Include details of preventative maintenance work, such as electrical measurements,
  - meter readings, thermal images, system testing results, and storm water management system maintenance. Include non-conformance reports to identify potential short-term and long-term power production issues.
- **Performance Reports:**
  - Provide analysis of monthly system/inverter performance against weather adjusted
  - performance metrics. Identify/document any known production loss issues.
- **Inverter Preventative Maintenance**
  - Conduct preventative maintenance in accordance with manufacturer specifications
  - Clean and vacuum enclosure, vents and heat sink / remove any identifiable debris and clean any accumulation of dust



- Change air filters according to manufacturer specifications
- Check fuses and switchboards (visually inspect for signs of corrosion/thermal issues)
- Check wiring (visually inspect for breaks, deterioration or signs of corrosion/thermal issues)
- **Transformer, MV Switchgear Maintenance**
  - Transformer – Oil and gas analysis, infrared image connections, positive nitrogen charge, record oil temp, level, PSI, visually inspect terminations
  - MV Switchgear - Trip test protection devices, verify electrical controls, download relay event files, operate disconnects, visual inspection of Terminations, verify meter operation
- **Tracker Maintenance (if applicable)**
  - Conduct preventative maintenance in accordance with manufacturer specifications
- **Warranty Enforcement**
  - Make and coordinate claims for reimbursement and/or replacement under any available warranty from manufacturers, installers or other similar entities relating to the System
- **String level Voc, DC operating current**
  - Perform testing to measure the open circuit voltage (Voc) and operating current of each string in the system.
  - Analyze and document any anomalies that effect system performance and propose correct actions if necessary
- **Thermal Imaging Combiners, Inverters and Disconnects**
  - Thermal imaging of combiners, inverters and disconnects by a trained thermographer
  - Analyze and document all images taken, identify any potential hot spots and propose correct actions if necessary
- **String Level IV Curve Tracing (as necessary)**
  - Perform string level IV Curve tracing with a minimum of 400 w/m2 irradiance
  - Analyze and document any anomalies that effect system performance and propose correct actions if necessary
- **System Performance Monitoring:**
  - Using the DAS, monitor on a daily basis, the day-to-day system output and performance
  - Nonconformance – Identify and analyze performance departures; dispatch per contract scope or upon notice from Owner or the DAS that the system is not performing in accordance with the specifications as set forth in the Agreement/SOW.



## Site Inspection Activities

- **PV Panel Condition**
  - Inspect for cleanliness, cracked/chipped/scratched/ shattered panels, fading or discoloration, burn marks, seal condition, frame damage or rust
  - Inspect mounts and mounting structures (loose panels, loose rack/clips missing hardware, rusted bolts, flashing issues, ballast condition, rack anchor condition)
  - Inspect conditions under panels, remove of any large debris or pests; visual check to ensure maximum ventilation under panels
  - Visual inspection of grounds and vegetation, identify issues related to mud, water pooling, soil erosion
  
- **Overall System Inspection**
  - Inspect conduit runs (separated/cracked conduits, misaligned wire runs)
  - Inspect panel interconnectivity and string lines (wire/cable wear, wire fading, chewed wire due to pests, identify loose/detached wires)
  - Inspect junction/combiner enclosure(s) condition (seals, rust, damage, locks)
  - Inspect electrical equipment enclosure(s) (seals, rust, damage, door condition, locks, equipment pads)
  
- **Inverters**
  - Inspect inverter structure(s) and enclosure(s) (seals, rust, damage, door condition, switch/handle condition, locks)
  - Inspect inverter equipment pad(s) (cracks, base damage, soil erosion)
  
- **Data Acquisition System (DAS)**
  - Weather stations condition (alignment of irradiance sensor, condition of wind and temperature meters)
  - DAS device condition (screen, seals, rust, damage)
  
- **Vegetation Management**
  - Visual inspection to identify any shading issues, preventive care if shading caused by nearby vegetation)
  - Vegetation management (inspection for vegetation issues or tree branches or other plants/trees blocking panels/system, recommend corrective actions)
  - Vegetation maintenance, including trimming overgrowth, removal of alien vegetation, inspection and maintenance of perimeter trees as applicable, and replanting or reseeding in accordance with the applicable permit(s) and Storm Water Pollution Prevention Plan (SWPPP) vegetation and screening requirements
  - All vegetation will be maintained as described in the landscaping plan including the types of vegetation across the site and how it was established
  - The native species ground cover takes multiple seasons to establish, so additional attention to the removal of alien species is required during the first few years of growth, with particular attention during the spring and summer seasons



- Pest Control (review for insects, bird nests, squirrels, spider nests, etc.; recommend corrective actions if necessary)
- **System Security**
  - Visually inspect fence line or confinement structures for wear, damage, breach, vandalism, or other problems
  - Visually inspect any electronic surveillance equipment (cameras, alarms, etc.) and identify if operating
  - Check condition of any locks, chains or other protection measures preventing unauthorized access to the system
- **Solar Field & Site Access**
  - Damage to site access road or gate will be reported once Operator becomes aware of any deficiencies that require repair which will be completed as soon as practicable
  - Waste/debris noticed on access road and/or solar field will be removed as soon as practicable
  - Access driveway will be plowed after significant snowfall to ensure utility equipment remains accessible in accordance with the Interconnection Agreement
- **Storm Water Management**
  - Inspection and maintenance of storm water management system (including sediment filtration pond, culverts, outlets, check dams etc.) will occur in accordance with the SWPPP with particular attention after a significant rainfall event to ensure outflows to adjacent watershed is in accordance with applicable regulations
  - Maintenance staff will be familiar with the storm water management system, including design, function, location, and maintenance requirements as detailed on the landscaping plan
  - Maintenance staff will complete the storm water management system maintenance checklist at intervals indicated on the checklist in order to ensure adequate inspection and maintenance intervals and keep the completed forms on site for inspection by County staff in accordance with the SWPPP
  - Vegetation seeding in erosion prone areas as required by SWPPP
- **Drainage Tile**
  - Inspection of drainage tile system in accordance with the applicable permit(s), including visual inspection of the tile outlets and any poor drainage of water on the site, outside of the sediment filtration ponds.
  - Should damage to the drainage tile system be discovered, repairs will be made in consultation with the landowner and County staff as required



## Getting Started

Several protocols must be considered when planning or creating an OMP - many specific to the system and its location. Organizing these tasks in advance and having them on record will go a long way in protecting your renewable investments. While establishing an OMP is a natural first step, the next step is typically more detailed, setting performance goals for the system including a benchmark to understand when action must be taken. Develop a criterion that includes:

- **Process to Qualify a Service Provider**
- **Response Time of Service Technicians**
- **Testing Frequency**
- **Cleaning Schedule (if needed)**
- **Safety Training**
- **Onsite Stock/Reserve Components (if needed)**
- **Documentation plan and frequency at which it will be updated**
- **Record Location and Backup Plan (if digital)**

In the event of a breakdown, who will handle the repairs? Who should be informed about these decisions? Providing a checklist for service providers will outline directions, points of interest, and frequency of when to operate. Administering a training schedule will ensure that the team is up to date on proper safety procedures and how to maintain a clean system. For example, using solvents or brushes on a solar panel can damage the panel surface and opening combiner boxes without adequate protection can be hazardous.

Establishing a responsibility matrix that delegates tasks to appointed decision-makers will streamline the process. Codes and standards such as IEC 62446 will assist in developing a plan. MSF staff will coordinate the preparation of a final OMP, in consultation with the **McHenry Township Fire Protection District** and the **McHenry County Emergency Management** team, as needed. This coordination includes the specific training deemed necessary to protect MSF staff and first responders. For more specific aspects of emergency management please refer to the **MSF Emergency Response Plan (ERP)** accompanying this submittal.





# **McHenry Solar Farm LLC**

## **Application for Conditional Use Permit**

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### **Emergency Response Plan (ERP)**

**Proposed 5.0 -Megawatt AC (MWac)  
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### **Developer**

**Surya Powered LLC**

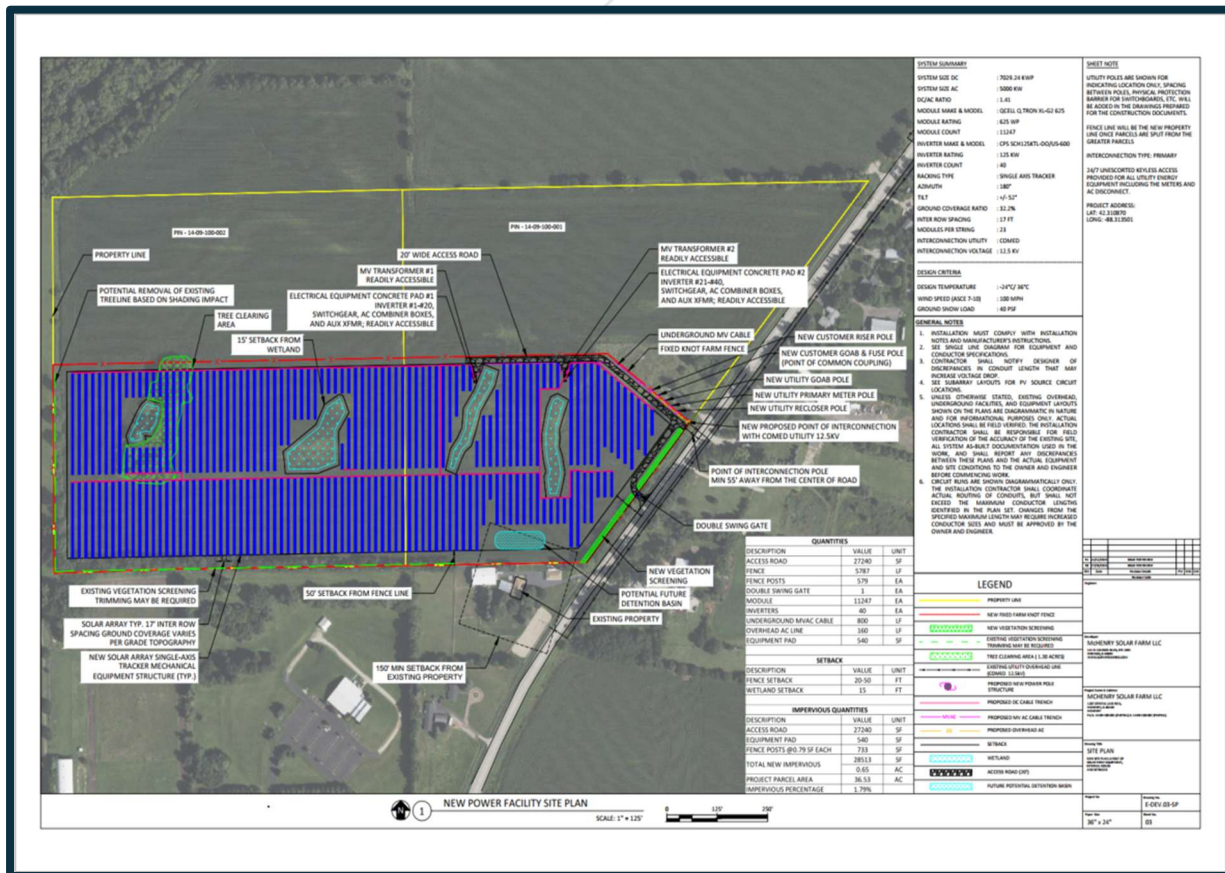


# Project Description

**McHenry Solar Farm LLC (MSF)** is proposing to construct and operate a 5 MWac community solar facility in unincorporated McHenry County, Illinois. The project will use approximately 37 acres within the 79 total acres between two (2) parcels. Detailed equipment schedules can be found on the construction permit plans, but to briefly summarize, **MSF project components** include, but are not limited to, the following:

- **Photovoltaic (PV) Solar Panels**
- **Access Road with Gated Entry**
- **Underground Electrical Cables**
- **Overhead Electrical Distribution (as necessary)**
- **Construction Staging/Storage/Parking Areas**
- **Equipment Pads ... locations for inverters, transformers, etc.**

**Project construction** is expected to begin in **2026** and is expected to take 4-6 months to complete. The targeted **commercial operation date (COD)** for MSF is **2027**. McHenry Solar Farm LLC expects the facility to operate for approximately thirty (30) years before being decommissioned.



**Exhibit A - McHenry Solar Farm LLC Site Plan**



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## Purpose of the Emergency Response Plan

McHenry Solar Farm LLC has developed a preliminary **Emergency Response Plan (ERP)** to provide an initial focus for discussion of **emergency response protocols and AHJ training requirements** associated with operation of the MSF facility. The purpose of an ERP is to assist employees, sub-contractors, contractors, suppliers, management, and of course, first responders in making quality decisions during times of crisis.

Emergencies are a consequence of inappropriately managed risk - produced through a combination of hazards and vulnerability, either natural or equipment-related. For community solar facilities to prevent losses and downtime from an emergency, an effective ERP must be developed, implemented, and regularly revised through cooperative review. To accomplish this, MSF is proposing a phased approach, utilizing:

- 1) This **Preliminary ERP** being made available during the Conditional Use Permit process, for review prior to the commencement of construction by the selected contractor, and,
- 2) A **Comprehensive Operation and Maintenance ERP** to be finalized post-construction, but prior to the **commercial operation date (COD)**.

MSF staff will determine the final format and content of the ERPs based on consultation with the appropriate jurisdiction(s) and/or codes. Both plans will contain guidance and recommendations in determining the appropriate actions to be undertaken to prevent injury and property loss, minimize hazards to human health and safety and to the



environment from fire, explosion, or any unexpected release of hazardous materials to the air, soil, surface and/or groundwater from natural or human disasters.

As a guide, every possible version of every scenario can never be captured in a usable document. The steps described may not be realized as imagined, but this ERP provides baseline directions on the most common steps necessary to address each situation listed.

In ongoing cooperation with the **McHenry Township Fire Protection District**, copies of the ERP will be available for review and necessary revisions will be made, as dictated by either McHenry County or the McHenry Township Fire Protection District. MSF staff will continue to provide both jurisdictions with copies of updated ERPs for the life of the MSF project.

This ERP will serve as the baseline plan for employees and visitors in the event of an emergency. In situations where this plan may be in parallel with another entity's plan (for example, a contractor, project manager, or utility) the plans shall be evaluated to determine if gaps exist, and MSF project management will be responsible for coordinating future review, ensuring effectiveness in the event of an emergency.

Failure to comply with this plan may result in disciplinary action up to and including termination. This plan will be reviewed at least annually by MSF management and may be revised based on changes to federal, state, and/or local regulations and requirements.

## **Roles And Responsibilities**

While MSF staff can cooperatively develop appropriate procedures to follow in the event of an emergency, it is the responsibility of every employee, contractors and/or subcontractor to become acquainted with the ERP and respond accordingly when faced with an emergency of any kind and of any origin.

### ***Employees***

Every MSF employee, contractor and/or subcontractor shall take reasonable care to protect the health and safety of themselves and of others and promptly inform their manager of potential hazards present on site.

### ***Contractors, Subcontractors and Visitors***

The contractor or other entity makes available the skilled labor and equipment required during emergencies and collaborates with the SM or designee for a prompt and effective response. All contractors and subcontractors must sign the Contractor Orientation acknowledgement before working on site, or after a major update of the document.



## Site Superintendent

During construction or maintenance activities, the designated management staff shall serve as site superintendent for the purposes of this ERP, ensuring that:

- **Employees, contractors or subcontractors onsite are accounted for and safe in the event of an incident, by conducting a roll call.**
- **All employees are informed about the risks related to their job.**
- **All employees have read and understand the site ERP.**
- **All rescue equipment is available and in good condition.**
- **The ERP is complete, up to date and distributed to the proper parties.**
- **The ERP is used correctly and that emergency operations comply with current regulations (federal, state, local, and corporate).**
- **Material, financial and personnel resources are sufficient to develop and implement the ERP and the ongoing implementation of the training program.**
- **Action plans are executed to correct any non-compliance and to implement the recommendations of post-incident reviews.**

## Training

**Training is the most critical element of the ERP.** On an as-needed basis, training should be continuous and on a regular basis for employees and first responders to maintain their ability to use the emergency equipment and act appropriately in an emergency. To ensure the instructions contained within the ERP are properly followed during site/facility emergencies, a **comprehensive training program** is to be developed, and training provided to all MSF employees, contractors and first responders.

If needed, training may include **exercises appropriate to the project site** that simulate the potential emergencies identified in the ERP. The effectiveness of the training sessions and the training program in general should be evaluated and documented. The critique shall evaluate what areas of the training need improvement, what should be sustained, and what can be done differently to improve the overall efficacy of the training. When the MSF site becomes operational, it is recommended a **full drill – *including emergency services*** – be scheduled, documenting response to a real-time emergency event. Emphasis should be placed on the following:

- **Evacuation and Accountability of Personnel.**
- **Proper Functioning of Alarm System (if applicable), Radios and/or Phones.**
- **Special Procedures for Evacuation of Personnel with Impairments.**
- **Response Time of Emergency Response Personnel.**
- **Adherence to ERP Procedures.**
- **Changes Needed to the ERP.**



## Emergency Procedures

The contingencies noted in the table below require further details on the emergency procedures that will be employed as required.

Potential Contingencies		
Electrical Emergency	Downed Power Lines	Call 911 ... Notify Utility
	Swaying Power Lines	
	Electric Shock	
Fire	Grass/Brush/Forest Fire	Call 911 ... Notify Utility
	Fire at Facility/Components	
	Fire at Equipment	
	Electrical Fire	
Medical Emergency	Personal Injury/Accident	Call 911
Explosion or Criminal Behavior	Sabotage/Suspicious Activity	Call 911 ... Notify Utility
	Active Shooter/Bomb/Third Party Threats	
	Situation with Employee/Contractor/Visitor	
Chemical Spills	Noxious Odors	Call 911
Severe Weather	Excessive Winds	Call 911 ... Notify Utility
	Lightning	
	Flash Flooding/Erosion	
	Winter Storms/Ice/Hail	
	Tornado/Earthquake	

MSF will be remotely monitored through a **control center (MSFCC)** – specific location TBD). MSFCC staff or contractors onsite will call 911 as necessary; local emergency responders and others in the community will be notified through the system or protocols detailed in this ERP.



## ***Electrical Emergency***

Given the nature of the facility, an electrical issue is a likely candidate requiring an emergency response. MSF will locate much of its electrical cabling underground, but the overhead lines associated with the interconnection point near Crystal Lake Road are the most visible components.

Should an overhead power line appear to be swaying or falling to the ground, it should be treated as a live wire. All personnel should stay well away – a minimum of 30-50 feet. Emergency responders should be called immediately. Should an individual receive an electric shock, work shall cease immediately, and the MSFCC shall be notified, and remote isolation of the equipment shall be requested, completed, and confirmed.

No one should attempt a rescue unless their own safety is guaranteed – and if so, contact should not be made with the affected individual and only utilizing elements which will not conduct electricity, such as wood. Personal protective equipment (PPE) should be worn when attempting a rescue.

In coordination with Commonwealth Edison staff and first responders, MSFCC personnel will be responsible for accounting for all personnel and filing an incident report.

## ***Fire***

If detected by onsite personnel, the MSF personnel onsite should notify the MSFCC immediately. Access to the immediate vicinity of the fire should be prohibited. The response to a fire emergency will be dictated by the nature of the fire itself. MSFCC personnel will notify the first responders as required.

Only MSF employees trained to fight fires may do so and only under the direction of first responders. Should an equipment fire be contained in a small location onsite, MSF onsite staff may extinguish the fire using a extinguisher – but only if they're trained in its use. All employees, contractors and visitors shall assemble at the MSF gated entry and remain clear of all equipment and structures until given the “all-clear” by first responders.

In coordination with first responders, MSFCC personnel will be responsible for accounting for all personnel and filing an incident report.

## ***Medical Emergency***

In the event of an injury/illness requiring medical treatment – stop work, place equipment in a safe condition and alert first responders (911), the MSFCC and others onsite. The affected individual should not be moved except by trained medical personnel. Should hazardous materials be involved, the MSFCC should notify first responders and provide them with background information (MSDS) on the nature of the materials involved. In coordination with first responders, MSFCC personnel will be responsible for accounting for all personnel and filing an incident report.



## ***Explosion or Criminal Behavior***

By nature of their employment and/or being provided access to the site, all MSF employees, contractors, and visitors shall assume the responsibility to immediately notify the MSFCC of any suspicious activity, vandalism, sabotage or potential sabotage onsite. Reasonable attempts to converse with suspicious individuals may be required to ascertain their connection to the site, but at no time should an inquiry escalate into confrontation.

Any confrontational situation with individuals involving threats, harassment, obscene acts or language shall be reported immediately to the MSFCC and to local police via 911. Do not confront or attempt to detain trespassers or suspicious individuals or otherwise intervene with suspicious activities. Work should cease and personnel evacuated until given the “all-clear” by first responders.

In the most extreme situations – an active shooter or a bomb threat, evacuation of the site is the priority, with concurrent notification to local authorities via 911 ASAP. Should evacuation be impractical, shelter in place until given instructions by local police. If practical, shut down equipment during evacuation. Follow all instructions given by first responders. In coordination with first responders, MSFCC personnel will be responsible for accounting for all personnel and filing an incident report.

## ***Chemical/Hazardous Material Spill***

For the purposes of the ERP, a spill is defined as an unintentional release of any chemical or substance in excess of fifteen (15) gallons, regardless of location, hazard rating or surrounding circumstances.

All work should cease immediately, any affected equipment shut off, and the MSFCC and local authorities notified ASAP. If possible, confine the spill to prevent the substance from spreading into the site’s drainage system. Priority should be given to shutting down any affected pumps, valves or hoses. If appropriate, add neutralizing agents and/or absorbents. The MSFCC should notify first responders and provide them with background information (MSDS) on the nature of the materials involved as necessary. In coordination with first responders, MSFCC personnel will be responsible for accounting for all personnel and filing an incident report.

## ***Severe Weather***

With multiple types of weather-related emergencies potentially affecting the MSF location, the actions/response of MSF personnel, contractors, and/or visitors may be slightly different depending on circumstance. However, some responses will need to be consistently applied in every instance.

- MSF personnel, contractors, and/or visitors should be aware of potentially severe weather conditions. The MSFCC shall notify all individuals onsite via radio, cell phone or alarm of adverse weather conditions affecting the site.



- All onsite work shall cease immediately and the MSFCC notified of the potential shutdown as well as emergency responders via 911.
- Electrical equipment/systems should be shut down by the MSFCC.
- All vehicles and portable equipment should be secured to the extent possible. If evacuation of the facility is dictated, all MSF personnel, contractors, and/or visitors shall assemble at the gated entry at Crystal Lake Rd, a roll call taken (if time permits), and the facility secured.
- In coordination with first responders, MSFCC personnel will be responsible for accounting for all personnel and filing an incident report.

## Emergency Contact List

The following table provides general contact information for MSF ownership, operations, local emergency responders, regional agencies at the state and federal levels, local agencies, and public utilities. It is the responsibility of MSF management to update this list annually.

Contact	Phone Number	Notes
<b>General Emergency Contacts</b>		
<b>Local Emergency Contact Number</b>	911	
<b>McHenry Township Fire Protection District</b>	815-363-2100	
<b>City of McHenry Police Department</b>	815-363-2200	
<b>McHenry County Sheriff</b>	815-338-2144	
<b>McHenry County Emergency Services Disaster Agency (ESDA)</b>	815-899-0725	
<b>Illinois State Police, Troop 3</b>	911	Patrols NE Illinois
<b>Hospitals &amp; Medical Facilities</b>		
<b>Northwestern Medicine: McHenry Hospital</b>	815-344-5000	
<b>Northwestern Medicine: Woodstock Hospital</b>	815-338-2500	
<b>Municipal Outreach</b>		
<b>City of McHenry</b>	815-363-2108	General City Contact
<b>Public Utilities</b>		
<b>Commonwealth Edison</b>		
<b>NICOR</b>	888-642-6748	24 Hour Emergency Hotline
<b>McHenry Solar Farm Management</b>		
<b>McHenry Solar Farm LLC</b>	224-222-0035	Main Office, Chicago IL
<b>McHenry Solar Farm LLC Control Center</b>		



Qcells SOLAR PV MODULES ARE ARTICLES AS DEFINED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION HAZARD COMMUNICATION STANDARD (HCS), 29 C.F.R. § 1910.1200 AND ARE EXEMPT FROM THE LABELING AND SAFETY DATA SHEETS (SDS) REQUIREMENTS OF THE STANDARD.

Qcells provides this product safety data sheet only for convenience of interested parties in the United States of America who are used to the format of safety data sheets in order to assess the product safety. This product safety data sheet does not replace any other documents provided by Qcells such as Safety Information, Installation and Operation Manual, Packaging and Transport Information, Product Data Sheet as well as Warranty Terms of the respective product.

## 1. SECTION: IDENTIFICATION

Solar PV modules convert light into electricity. Light-sensitive cells are electrically interconnected in series and sealed between glass and plastic foils for this purpose. This product safety data sheet is applicable to the following solar PV modules of the Qcells brand made by Hanwha Qcells America Inc.:

- Q.PEAK DUO L-G6.3/BFG, Q.PEAK DUO L-G6.3/BGT,
- Q.PEAK DUO L-G8.3/BFG, Q.PEAK DUO L-G8.3/BGT,
- Q.PEAK DUO XL-G10.3/BFG, Q.PEAK DUO XL-G10.3/BGT,
- Q.PEAK DUO XL-G10.d/BFG, Q.PEAK DUO XL-G10.d/BGT
- Q.PEAK DUO XL-G11.3/BFG
- Q.PEAK DUO XL-G11S.3/BFG
- Q.PEAK DUO ML-G12S.3/BFG
- Q.TRON XL-G2.3/BFG

Variants with additional suffixes “/TAA” and/or “+” are covered by this product safety data sheet. This is also true for B-grade modules, which have minor optical imperfections. Product names of these replace “Q.” with “B.LINE”. B-grade modules of Q.PEAK DUO L-G6.3/BFG are named B.LINE PEAK DUO L-G6.3/BFG for example.

### Responsible Party as Importer:

Name: Hanwha Q CELLS America Inc.

Address: 300 Spectrum Center Drive, Suite 500, Irvine, CA 92618, USA

Phone: +1 949 748 5996

## 2. SECTION: IDENTIFICATION OF SAFETY RISKS (HAZARDS IDENTIFICATION)

Qcells solar PV modules do not pose any risk of hazardous chemicals. Hazard symbols and precautionary hazard statements for hazardous chemicals are not applicable. No symptoms or effects – neither acute nor delayed – have to be expected when Qcells solar PV modules are handled as stipulated in the Installation and Operation Manual. Qcells provides a Safety Information sheet with all modules shipments. This document contains detailed risk statements and recommendations for installation and operation. Before installing the module, read the Installation and Operation Manual for Qcells modules carefully. You can obtain the complete Installation and Operation Manual from your retailer.

**Attention:** Only qualified and authorized specialists may install modules and put them into operation. Keep children and unauthorized persons away from the modules.

Risks:

- Risk of death from electrocution! Solar modules generate electricity and are energized as soon as they are exposed to light.
- In rare cases, solar PV modules – as any other electrical device – can cause fire due to worn electrical contacts which result in electrical arcing.
- Solar PV modules can reach high temperatures which can cause skin burns.
- Sharp edges, corners and broken glass can cause injuries.
- Solar PV modules can cause Injuries due to their weight.
  - Falling solar PV modules can cause injuries.
  - Lifting solar PV modules can cause injuries.

For precautionary statements, please refer to the Installation and Operations Manual of the respective product.

MISUSE OR INCORRECT USE OF SOLAR MODULES VOIDS THE LIMITED WARRANTY AND MAY CREATE A SAFETY HAZARD AND RISK

PROPERTY DAMAGE. THIS INCLUDES IMPROPER INSTALLATION OR CONFIGURATION, IMPROPER MAINTENANCE, UNINTENDED USE, AND UNAUTHORIZED MODIFICATION.

### 3. SECTION: COMPOSITION/INFORMATION ON INGREDIENTS

Safety data sheets are only required for hazardous chemicals covered by the Hazard Communication Standard (HCS). Solar PV modules made by Qcells are not covered by HCS. The following table provides an overview of materials solar PV modules by Qcells are made of. The values given for the share of weight are targets and can vary for the products covered by this Product Safety Data Sheet.

Component	Material	Total Share	Remark
Frame	Aluminum	6% – 14%	not hazardous
	Silicone	<2%	not hazardous, see section 8
Laminate	Glass	65% – 85%	not hazardous
	Plastics (EVA, PET, PE, PPE, PC)	5% – 15%	no hazards known
	Silicon	2% – 4%	not hazardous
	Metals (Aluminum, Copper, Tin)	<2%	not hazardous
	Lead	<0,1%	hazardous
	Silver	<0,05%	not hazardous

### 4. SECTION: FIRST-AID MEASURES

In case of electrocution:

- Always protect yourself by taking all necessary safety precautions before rescuing persons injured.
- **Attention:** Stay away from sources of high voltage and leave the rescue to qualified personnel with appropriate personal protection equipment!
- Call emergency rescue services.
- Do not touch live parts. Qualified personnel should shut down the PV system as far as possible – e.g. disconnect the modules at the inverter before uncovering any live electrical parts. Be sure to observe the specified time intervals after switching off the inverter. High voltage components need time to discharge. Follow OSHA requirements for control of hazardous energy at 29 C.F.R. § 1910.147.
- In the event a person is electrocuted or affected by electrical energy of the solar PV module, CALL 911. Before attempting rescue, SHUTDOWN THE POWER SOURCE.
- Remove the victim from the power source using only insulated tools ONLY IF CONTACT WITH LIVE ELECTRICAL COMPONENTS CAN BE PREVENTED.
- Carefully move the injured from the zone of danger.
- After moving to a safe location, check heartbeat, respiration and consciousness of the injured person.
- Apply appropriate life-saving measures (CPR) accordingly before taking care of minor injuries.
- Consult a medical professional even if there are no visible injuries.
  - Flush thermal skin burns caused by touching hot surfaces of solar PV modules with cool water. Consult a medical professional.
  - Injuries due to sharp edges, corners and broken glass need to be appropriately treated. Consult a medical professional.
  - Other types of injuries need to be treated appropriately as well. Consult a medical professional.

### 5. SECTION: FIRE-FIGHTING MEASURES

- Qcells solar PV modules are fire rated as Class C according to IEC and UL 1703/UL 61730 as well as Type 1, Type 2 and Type29 according to UL 1703/UL 61730.

- Qcells solar PV modules are extensively tested at the factory to ensure electrical safety of the product before shipment.
- In rare cases, solar PV modules – as any other electrical device – can cause fire due to worn electrical contacts which result in electrical arcing.
- In case solar PV modules which are not part of an array are on fire, USE FIRE EXTINGUISHERS RATED FOR ELECTRICAL EQUIPMENT, Class C.
- IN CASE A SOLAR PV MODULE ARRAY IS PRESENT, ANY FIRE SHOULD ONLY BE FOUGHT BY PROFESSIONAL FIREFIGHTERS. FIREFIGHTERS NEED TO TAKE PRECAUTIONS FOR ELECTRICAL VOLTAGES UP TO 1,500 VOLTS (DC).
- Some components of the modules can burn. Potential combustion products include oxides of carbon, nitrogen and silicon.
- In case of prolonged fire, solar PV modules may lose their structural integrity.

#### General recommendations from the below-mentioned reports:

- Fire service personnel should follow their normal tactics and strategies at structure fires involving solar power systems, but do so with awareness and understanding of exposure to energized electrical equipment. Emergency response personnel should operate normally, and approach this subject area with awareness, caution, and understanding to assure that conditions are maintained as safely as possible.
- Care must be exercised during all operations, both interior and exterior.
- Responding personnel must stay back from the roofline in the event modules or sections of an array may slide off the roof.
- Contacting a local professional PV installation company should be considered to mitigate potential hazards.
- Turning off an array is not as simple as opening a disconnect switch. As long as the array is illuminated, parts of the system will remain energized.
- When illuminated by artificial light sources such as fire department light trucks or an exposure fire, PV systems are capable of producing electrical power sufficient to cause inability to let go from electricity as a result of stimulation of muscle tissue, also known as lock-on hazard.
- Firefighting foam should not be relied upon to block light.
- The electric shock hazard due to application of water is dependent on voltage, water conductivity, distance and spray pattern.
- It is recommendable to fight fire with water instead of foam if a PV system is present. Salt water should not be used.
- Firefighter's gloves and boots afford limited protection against electrical shock provided the insulating surface is intact and dry. They should not be considered equivalent to electrical personal protection equipment.

#### Readers interested in more details may refer to the following reports:

- National Fire Protection Association, Fire Protection Research Foundation report "Fire Fighter Safety and Emergency Response for Solar Power Systems" issued May 2010, revised October 2013
- Important recommendations from a report called "Firefighter Safety and Photovoltaic Installations Research Project" issued by Underwriters Laboratories on November 29, 2011

## 6. SECTION: ACCIDENTAL RELEASE MEASURES

This section is not applicable.

## 7. SECTION: HANDLING AND STORAGE

Before installing the module, read the Installation and Operation Manual for Qcells modules carefully. Noncompliance with the instructions may result in damage and physical injury or death. Only qualified and authorized specialists may install modules and put them into operation. You can obtain the complete installation manual from your retailer. Details about transport and storage of palletized Qcells solar PV modules can be found in the Packaging and Transport Information of the respective module type.

#### Storage, transport and unpacking:

- Store the module dry, well-ventilated and properly secured. The original packaging is not weatherproof.
- Always transport the module in its original packaging.

- Do not stack the modules. This prevents damage of the junction box.
- The module is made of glass. Take great care when unpacking, storing and transporting it.
- Do not subject the module glass to any mechanical stress (e.g. through torsion or deflection). Do not step on the module or place any objects onto the module.
- Protect both sides of the module against scratching and other damage.
- Carry the module by holding the edges with both hands, or use a glass suction lifter.
- Never lift or carry the module using the module junction box or wiring. Avoid pulling on the wiring at all costs.

## 8. SECTION: EXPOSURE CONTROLS/PERSONAL PROTECTION

Before installing the module, read the Installation and Operation Manual carefully. Noncompliance with the instructions may result in damage and physical injury. Only qualified and authorized specialists may install modules and put them into operation. You can obtain the complete installation manual from your retailer.

- Please follow the valid national regulations and safety guidelines for the installation of electrical devices and systems.
- Please make sure to take all necessary safety precautions.
- Ensure that all personnel are aware of and adhere to accident-prevention and safety regulations.
- For handling of modules wear suitable protective gloves.
- Do not install damaged modules. Ensure that all electrical components are in a proper, dry, and safe condition.
- Do not modify the module (e.g. do not drill any additional holes). Never open the junction box.
- Ensure that modules and tools are not subject to moisture or rain at any time during installation. Only use dry, insulated tools for electrical work.
- Only connect cables with plugs. Ensure for a tight connection between the plugs. Plugs click together audibly.
- Cover the modules with an opaque material during installation. Cover the modules to be disconnected.

Silicones used in manufacturing release methanol during curing. Once cured, no additional methanol is released during use. Small amounts of these chemicals may be present in shipping cartons. Upon receipt, open container in a well-ventilated location and allow to stand for 5 minutes before removing units from cartons. Exposures above recommended limits for methanol of 200 ppm eight-hour time-weighted-average (TWA) will not occur.

## 9. SECTION: PHYSICAL AND CHEMICAL PROPERTIES

- Physical state: solid
- Voltage: refer to data sheet (below 50 volts for a single module)

**Attention:** Voltage of single modules add up when modules are electrically connected in series. Qcells solar PV modules are designed and certified for voltages up to 1,000 volts or even up to 1,500 volts. Connection of modules in series is only permitted up to the maximum system voltage as listed in the applicable data sheet.

- Weight: refer to data sheet
- Solubility in water: insoluble in water

## 10. SECTION: STABILITY AND REACTIVITY

Under normal operating conditions as specified in the Product Data Sheet, Qcells solar PV modules are chemically stable.

- Qcells solar PV modules are tested for salt spray and ammonia resistance according to IEC 61701 and IEC 62716, respectively.
- Qcells solar PV modules support ambient operating temperatures from  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $+185^{\circ}\text{F}$ ).

- Do not install modules above 13.120ft (4000 m) altitude above sea level.
- Some components of the modules can burn. Potential combustion products include oxides of carbon, nitrogen and silicon.
- Do not scratch off dirt. Use a soft cellulose cloth or sponge to carefully wipe off stubborn dirt. Do not use micro fleece wool or cotton cloths.
- Rinse dirt off with lukewarm water (dust, leaves, etc.)
- Use an alcohol based glass cleaner. Do not use abrasive detergents or tensides.
- Isopropyl alcohol (IPA) can be used selectively to remove stubborn dirt and stains within one hour after it appeared.
- Follow the safety guidelines provided by the IPA manufacturer.
- Do not let IPA run down between the module and the frame or into the module edges.

## 11. SECTION: TOXICOLOGICAL INFORMATION

Small amounts of methanol may be present inside shipping cartons. Open cartons and allow to vent before removing units. No exposure to hazardous chemicals will occur when the units are in use.

## 12. SECTION: ECOLOGICAL INFORMATION

Qcells solar PV modules are designed to withstand outdoor operating conditions for 25 years. Biodegradation is not expected due to high chemical stability of the components.

## 13. SECTION: DISPOSAL CONSIDERATIONS

Qcells solar PV modules should be recycled rather than dumped in a landfill. Raw materials of the product can be recovered by recycling companies. Disposal must be in accordance with national and local laws and regulations for electric/electronic waste.

## 14. SECTION: TRANSPORT INFORMATION

Qcells solar PV modules can be shipped via standardized container freight. Regulations for hazardous goods do not apply. For further details, please refer to the Packaging and Transport Information which can be provided as a separate document by Qcells.

## 15. SECTION: REGULATORY INFORMATION

- Qcells solar PV modules are tested according to international standards IEC 61215, IEC 61730 as well as US standards UL 1703/UL 61730.
- Please refer to the Installation and Operation Manual and Product Data Sheet of the respective Qcells solar PV module.

## 16. SECTION: OTHER INFORMATION

- Date of initial creation of this product safety data sheet: July 1, 2016
- Date of last revision: January 1, 2025

# 100/125 kW, 1500 Vdc String Inverters for North America

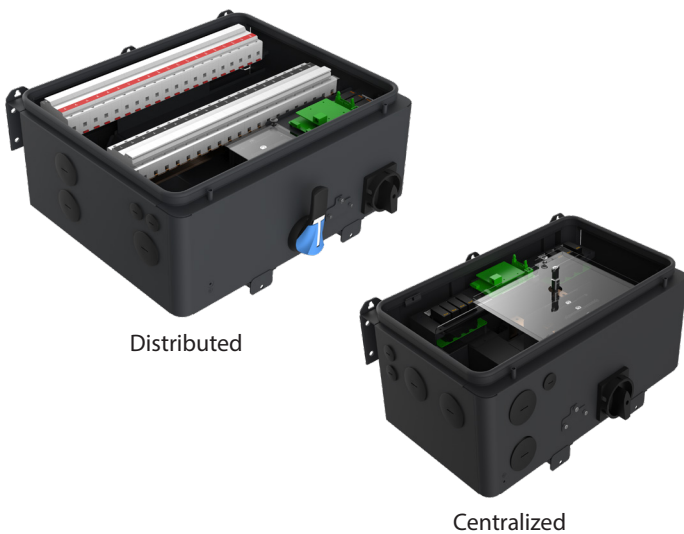


**CPS SCH100/125KTL-DO/US-600**

The 100 and 125 kW high power CPS three-phase string inverters are designed for ground mount applications. The units are high performance, advanced, and reliable inverters designed specifically for the North American environment and grid. High efficiency at 99.1% peak and 98.5% CEC, wide operating voltages, broad temperature ranges, and a NEMA Type 4X enclosure enable this inverter platform to operate at high performance across many applications. The CPS 100/125 kW products ship with the Distributed or Centralized Wire Box, each fully integrated and separable with AC and DC disconnect switches. Enhanced DC Wire Boxes are available to allow DC disconnection under short circuit conditions. The CPS FlexOM Gateway enables communication, controls, and remote product upgrades.

## Key Features

- NFPA 70 and NEC compliant
- Touch-safe DC Fuse holders add convenience and safety
- CPS FlexOM Gateway enables remote firmware upgrades
- Integrated AC and DC disconnect switches
- 1 MPPT with 20 fused inputs for maximum flexibility
- Copper- and aluminum-compatible AC connections
- NEMA Type 4X outdoor rated enclosure
- Advanced Smart-Grid features (CA Rule 21 certified)
- kVA headroom yields 100 kW @ 0.9 PF and 125 kW @ 0.95 PF
- Generous 1.87 (100 kW) and 1.5 (125 kW) DC/AC inverter load ratios
- Separable wire box design for fast service
- Enhanced DC wire boxes available



Distributed

Centralized

**Standard Wire Boxes**



Distributed

Centralized

**Enhanced DC Wire Boxes**



Model Name	CPS SCH100KTL-DO/US-600	CPS SCH125KTL-DO/US-600
<b>DC Input</b>		
Max. PV power	187.5 kW	
Max. DC input voltage	1500 V	
Operating DC input voltage range	860-1450 Vdc	
Start-up DC input voltage / power	900 V / 250 W	
Number of MPP trackers	1	
MPPT voltage range <sup>1</sup>	870-1300 Vdc	
Max. PV input current (Isc x1.25)	275 A	
Number of DC inputs	Distributed Wire Box: 20 PV source circuits, positive and negative fused Centralized Wire Box: 1 input circuit, 1-2 terminations per pole, non-fused	
DC disconnection type	Load-rated DC switch	
DC surge protection	Type II MOV (with indicator/remote signaling)	
<b>AC Output</b>		
Rated AC output power <sup>2</sup>	100 kW	125 kW
Max. AC apparent power (selectable)	100 kVA (111 kVA @ PF > 0.9)	125 kVA (132 kVA @ PF > 0.95)
Rated output voltage	600 Vac	
Output voltage range <sup>3</sup>	528-660 Vac	
Grid connection type <sup>4</sup>	3Φ / PE / N (neutral optional)	
Max. AC output current @ 600 Vac	96.2 / 106.8 A	120.3 / 127.0 A
Rated output frequency	60 Hz	
Output frequency range <sup>3</sup>	57-63 Hz	
Power factor	>0.99 (±0.8 adjustable)	
Current THD	< 3%	
Max. fault current contribution (1 cycle RMS)	41.47 A	
Max. OCPD rating	200 A	
AC disconnection type	Load-rated AC switch	
AC surge protection	Type II MOV (with indicator/remote signaling)	
<b>System</b>		
Topology	Transformerless	
Max. efficiency	99.1%	
CEC efficiency	98.5%	
Standby / night consumption	< 4 W	
<b>Environment</b>		
Enclosure protection degree	NEMA Type 4X	
Cooling method	Variable speed cooling fans	
Operating temperature range <sup>2</sup>	-22°F to 140°F / -30°C to 60°C	
Non-operating temperature range <sup>5</sup>	-40°F to 158°F / -40°C to 70°C	
Operating humidity	0-100%	
Operating altitude	8202 ft / 2500 m (no derating)	
Audible noise	< 65 dBA @ 1 m and 77°F (25°C)	
<b>Display and Communication</b>		
User interface and display	LED indicators, Wi-Fi and app	
Inverter monitoring	Modbus RS485	
Site-level monitoring	CPS FlexOM Gateway (1 per 32 inverters)	
Modbus data mapping	SunSpec / CPS	
Remote diagnostics / firmware upgrade functions	Standard / (with FlexOM Gateway)	
<b>Mechanical</b>		
Dimensions (W × H × D)	Distributed Wire Box: 45.28 × 24.25 × 9.84 in (1150 × 616 × 250 mm) Centralized Wire Box: 39.37 × 24.25 × 9.84 in (1000 × 616 × 250 mm)	
Weight	Inverter: 121 lbs (55 kg) Distributed Wire Box: 55 lbs (25 kg) Centralized Wire Box: 33 lbs (15 kg)	
Mounting / installation angle	15-90 degrees from horizontal (vertical or angled)	
AC termination	M10 stud type terminal [3Φ] (wire range: 1/0 AWG-500 kcmil CU/AL; lugs not supplied) Screw clamp terminal block [N] (#12-1/0 AWG CU/AL)	
DC termination	Distributed Wire Box: Screw clamp fuse holder (wire range: #12-#6 AWG CU) Centralized Wire Box: Busbar, M10 bolts (wire range: #1 AWG-500 kcmil CU/AL [1 termination per pole], #1 AWG-300 kcmil CU/AL [2 terminations per pole]; lugs not supplied)	
Fused string inputs	Standard/Distributed Wire Boxes: 25 A fuses provided (fuse values up to 30 A acceptable) Enhanced DC Wire Boxes: 20 A fuses provided (fuse values up to 30 A acceptable)	
<b>Safety</b>		
Certifications and standards	UL 1741-SA/SB Ed. 3, CSA-C22.2 NO.107.1-01, IEEE 1547-2018, FCC PART15	
Selectable grid standard	IEEE 1547a-2014, IEEE 1547-2018 <sup>6</sup> , CA Rule 21, ISO-NE	
Smart-grid features	Volt-RideThru, Freq-RideThru, Ramp-Rate, Specified-PF, Volt-VAR, Freq-Watt, Vol-Watt	
<b>Warranty</b>		
Standard	5 years	
Extended terms	10, 15, and 20 years	

1) See user manual for further information regarding MPPT voltage range when operating at non-unity PF.

2) 100 kW active power derating begins at 113°F (45°C) when MPPT ≥ Vmin; 125 kW active power derating begins at 107.6°F (42°C) when PF = ±0.95 and MPPT ≥ Vmin, and at 113°F (45°C) when PF=1 and MPPT ≥ Vmin.

3) The "output voltage range" and "output frequency range" may differ according to the specific grid standard.

4) Delta configurations must not be corner-grounded.

5) See user manual for further requirements regarding non-operating conditions.

6) Firmware version 12.0 or later required.



# **McHenry Solar Farm LLC**

## **Application for Conditional Use Permit**

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### **Preliminary Decommissioning Plan & Cost Projection**

**Proposed 5.0 -Megawatt AC (MWac)  
Ground-Mounted Community Solar Energy System  
County of McHenry, Illinois  
January 2026**

### **Project Company / Applicant**

**McHenry Solar Farm LLC  
141 West Jackson Boulevard, Suite 1692  
Chicago IL 60604  
(224) 222-0035**

### **Developer**

**Surya Powered LLC**



## Defining Decommissioning

When developing a new community solar energy system, questions are often asked about what happens to the system when the project reaches the end of its functional lifespan, a process known as **decommissioning**. While specifics are dictated by the system design and its components, the simplest definition is the most accurate:

***Decommissioning is defined as the complete removal and/or recycling of all system components and the restoration of the site to its original state, prior to development. To achieve a successful decommissioning, a plan is formulated to outline a series of steps to reverse the construction process – complete with projected cost estimates – while adhering to the requirements of federal, state and local jurisdictions as applicable.***

Community solar is unique in the renewable energy industry in that their scale and location allow developed sites to be easily and effectively **repurposed to their original land use** – usually agricultural – or they may be redeveloped to meet the community’s current land use needs as outlined under existing zoning and comprehensive plan documents. All work associated with the decommissioning of the MSF facility will be conducted in accordance with applicable professional engineering and solar industry standards.

## A Basic Decommissioning Process

The **McHenry Solar Farm LLC (MSF)** team is providing this **Preliminary Decommissioning Plan** to inform **McHenry County** staff of projected costs involved in decommissioning the MSF system. Developing this plan early in the conditional use approval process allows MSF staff to work with local jurisdictions and if necessary, **Commonwealth Edison**, to provide a clear picture of the process itself, necessary permits and inspections and estimated costs.

The final MSF Decommissioning Plan will provide more details for each of the following components while providing a timeline and reporting protocol for decommissioning activities including removal of components, site stabilization/revegetation and waste disposal and recycling.

### ➤ System Shutdown

- Obtain necessary demolition permits
- Mobilize onsite personnel
- Deenergize system components



➤ **Component Removal**

- Disconnect solar modules; remove from racking structures
- Remove mounting/anchoring system; racking and foundations; backfill as necessary
- Remove inverters, transformers and electrical connection systems

➤ **Recycling & Disposal**

- Establish protocol for all disposal and material management during the decommissioning process
- Establish onsite collection areas for recycled components and debris; coordinating storage and transport to increase efficiency and minimize traffic congestion
- Inspect/evaluate/categorize components and materials by category
  - Recondition/Reuse (steel, aluminum, glass, copper, plastics, etc.)
  - Salvage
  - Recycling
  - Disposal

➤ **Infrastructure Removal**

- Remove above-ground structures and foundations
- Remove access road and fencing

➤ **Site Restoration**

- Grading of site as necessary; includes leveling, terracing, mulching, etc. to prevent erosion and ensure establishment of replacement vegetation – unless site is to be redeveloped
- Restoration of topsoil and tilling (if needed)
- Plant native vegetation/seeding (if site not to be used as cropland)

➤ **Final Inspection**

- Verify compliance with decommissioning plan
- Conduct final inspection with AHJ staff



## Guaranteeing the Costs of Decommissioning

While this preliminary plan will provide parameters, the most unknown variable remains the **projected cost of decommissioning** and how to **guarantee funds will be available** in thirty years to fully cover the costs. Estimates prepared by registered civil and/or structural engineers provide the actual numbers while financial instruments and/or guarantees dictated by code will ensure adequate funds will be available when needed – including related transportation and restoration costs, adjusted to accommodate salvage value. Our MSF estimate is based on the **2025 Wonderlake Solar Farm LLC Decommissioning Plan**.

### MSF 2027 Projected Decommissioning Cost & Salvage Estimate

WLSF Engineer's Category	Wonder Lake (WLSF) 2025 Engineer's Estimate	McHenry MSF 2027 Staff Projection (+5% Increase)
Erosion Control / Contractor Fees	171,340.00	179,907.00
Site Demolition	4,602.80	4,832.94
Racking and Module Removal	219,741.08	230,728.13
Electrical Wiring Removal	160,572.08	168,600.68
Power Conditioning Equipment Removal	26,800.00	28,140.00
Equipment Pad Removal	8,500.00	8,925.00
Transportation	25,200.00	26,640.00
<b>Decommissioning Cost (Present Value)</b>	<b>\$ 626,755.96</b>	<b>\$ 647,773.75</b>
<b>Decommissioning Cost (Future Value)</b>	<b>\$ 838,227.64</b>	<b>\$ 880,139.02</b>
WLSF Engineer's Salvage Category	Wonder Lake (WLSF) 2025 Engineer's Estimate	McHenry MSF 2027 Staff Projection (+5% Increase)
Modules Available for Recycling	363,055.00	381,207.75
Cost of Recycling Modules (Qcells)	0.00	0.00
Inverter Scrap Value (CPS SCH125KPL)	1,400.00	1,470.00
Transformer Scrap Value	5,000.00	5,250.00
DC Cable Scrap Value	14,058.45	14,761.37
MV AC Cable Scrap Value	600.00	630.00
Scrap Steel	3,800.00	3,990.00
SCADA Equipment	1,000.00	1,050.00
Underground Cables & Conduit	12,050.10	12,652.50
Combiner Boxes	640.00	672.00
Other Electrical Equipment	4,000.00	4,200.00
Gravel	18,000.00	18,900.00
<b>Salvage Total (Present Value)</b>	<b>\$ 423,603.55</b>	<b>\$ 444,783.62</b>
<b>Salvage Total (Future Value)</b>	<b>\$ 566,530.25</b>	<b>\$ 594,856.76</b>
<b>Net Decommissioning Cost (Future Value)</b>	<b>\$ 271,697.39</b>	<b>\$ 285,282.26</b>

*2025 WLSF Future Value calculations based on 2.95% inflation over 10 years*





# **McHenry Solar Farm LLC**

## **Application for Conditional Use Permit**

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### **Unanticipated Discoveries Plan**

**Proposed 5.0 -Megawatt AC (MWac)  
Ground-Mounted Community Solar Energy System  
County of McHenry, Illinois  
January 2026**

### **Project Company / Applicant**

**McHenry Solar Farm LLC  
141 West Jackson Boulevard, Suite 1692  
Chicago IL 60604  
(224) 222-0035**

### **Developer**

**Surya Powered LLC**



## Purpose, Contacts & Definitions

In Illinois, the responsibility for the protection of cultural resources lies with the **Illinois State Historic Preservation Office (SHPO)**, a division of the **Illinois Department of Natural Resources (IDNR)**. For the purposes of this plan, immediately following notification of the **Project Manager** and **Site Superintendent**, these officials may serve as the **primary contacts** for the Project Manager to initiate necessary action to preserve cultural resources identified during construction:

<p><b>Carol J Wallace</b>  <b>Cultural Resources</b>  <b>Coordinator</b>  <b>(217) 785-5027</b>  <a href="mailto:carol.wallace@illinois.gov">carol.wallace@illinois.gov</a></p>	<p><b>Steve Dasovich</b>  <b>Cultural Resources Manager</b>  <b>(217) 782-7441</b>  <a href="mailto:steve.dasovich@illinois.gov">steve.dasovich@illinois.gov</a></p>	<p><b>Jeff Kruchten</b>  <b>Principal Archaeologist</b>  <b>(217) 785-1279</b>  <a href="mailto:jeff.kruchten@illinois.gov">jeff.kruchten@illinois.gov</a></p>
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This document outlines protocols to prepare for and address the **unanticipated discovery of historic properties or human remains**. It provides direction regarding the **proper procedures** to follow if **unanticipated cultural materials or human remains** are encountered during construction. An unanticipated discovery can result when previously undocumented or unknown historic properties are discovered during the course of projects.



**Historic structures or buildings** are defined as districts, sites, buildings, structures, or objects significant in American history, architecture, engineering, archaeology, or culture at the national, state, or local level. Sometimes elements of historic buildings or structures may be hidden by recent additions or alterations. For example, siding may obscure the historic character of a historic home or log cabin.



**Cultural materials** include human-made objects (both pre-contact and historic period) and features (e.g., foundation walls, hearths, middens, or other remnants of cultural activity) that are part of an archaeological site. Examples of cultural materials include:

- Any accumulation of shell, burned rocks, or other food related materials.
- An area of charcoal or very dark stained soil with artifacts.
- Stone tools or waste flakes (i.e., an arrowhead, or stone chips).
- Clusters of tin cans or bottles.
- Logging or agricultural equipment that appears to be older than 50 years.
- Buried railroad tracks, decking, or other industrial materials.



**Human remains** are defined as physical remains of a human body or bodies, including, but not limited to, bones, teeth, hair, ashes, and preserved soft tissues (mummified or otherwise preserved) of an individual. Remains may be articulated or disarticulated bones or teeth. Any human skeletal remains, regardless of antiquity or ethnic origin, will always be treated with dignity and respect.



## Protocol: Historic Structures & Buildings or Archaeological Discoveries

### 1) STOP WORK.



If any employee, contractor, or subcontractor believes that he or she has uncovered cultural materials relating to an archaeological site or historic structure or building at any point in the project, all work at and adjacent to the discovery must stop. The discovery location should be secured at all times. Minimize movement of vehicles and equipment in area immediately surrounding the discovery.

### 2) CONTACT.

If the discovery does not appear to be human remains, the Site Superintendent will notify the Project Manager who will inform the SHPO of the discovery and the possible actions within 24 hours of discovery if the discovery occurs Monday through Friday. If the discovery occurs during a weekend or Federal holiday, the Project Manager will notify the SHPO on the first working day after the weekend and/or holiday. The SHPO should respond within 48 hours of the notification or on the first working day if preceded by a weekend or holiday. SHPO will formulate initial recommendations and advise the Project Manager and/or Site Superintendent to carry out appropriate and specific actions.

### 3) EVALUATE.

Historic buildings and structures will be identified and evaluated by qualified professionals who shall meet, at a minimum, the **Secretary of Interior's Professional Qualification Standards (44 FR 44738-9)** in History or Architectural History.

- a) If the SHPO historian determines that the discovery is not a cultural resource, they will immediately advise SHPO of their findings as well as the Project Manager.
- b) If the SHPO historian determines that the discovery is a cultural resource, they will immediately advise SHPO of their findings as well as the Project Manager; initiating complete **Architectural Properties Identification Forms** for each newly identified cultural resource.
  - I. If the resource is not significant, the SHPO historian will document the discovery in a report (including photographs of the discovery site). The



report must also include completed identification forms, and an explanation of why the resource is not significant. The SHPO historian will formally request permission from SHPO to inform the Project Manager when construction may resume.

- II. SHPO and identified tribal representatives will be invited to observe the implementation of any proposed work.
- III. If the resource is believed to be significant, the SHPO historian will document the discovery in a report (including photographs of the discovery site). The report must also include completed identification forms, and an explanation of why the resource is deemed significant. The SHPO historian will formally request permission from SHPO to inform the Project Manager of the extent to which construction may be impacted, an explanation of why the resource is significant and a proposal for mitigation or data recovery. Based on this information, SHPO will then begin to review mitigation efforts.

Archaeological discoveries will be identified and evaluated by a qualified professional who shall meet, at a minimum, the **Secretary of Interior's Professional Qualification Standards (44 FR 44738-9)** for archeologists. The professional archaeologist will examine the location of the discovery. All work to evaluate significance and project effects will be confined to the Project's potential area of impact. The costs of such professional services will generally be the responsibility of the Applicant/Developer.

- a) If the archaeologist determines that the discovery is not a cultural resource, the archaeologist will immediately advise SHPO and the Project Manager in writing and will notify them of related findings.
- b) If the archaeologist determines that the discovery is a cultural resource, the archaeologist will immediately advise SHPO and the Project Manager in writing and will notify them of related findings. The SHPO will assign an **Archaeological Site Number** to the discovery.
- IV. If the resource is not significant, the archaeologist will document the discovery in a report (including photographs of the discovery site). The report must also include completed identification forms, and an explanation of why the resource is not significant. The archaeologist will formally request permission from SHPO to inform the Project Manager when construction may resume.
- V. SHPO and identified tribal representatives will be invited to observe the implementation of any proposed work.



- VI. If the resource is believed to be significant, the archaeologist will document the discovery in a report (including photographs of the discovery site). The report must also include a completed site form for the discovery, and an explanation of why the resource is significant and a proposal for mitigation or data recovery. Based on this information, SHPO will then begin to review mitigation efforts.

#### 4) MITIGATE.

For resources that are deemed significant, the Applicant/Project Manager will consult with the SHPO on measures to avoid further impacts to the discovery. If the SHPO does not object to the consensus recommendation(s), SHPO will require the Applicant to modify the project design plans to implement any recommendation(s).

If either party objects to the recommendations, further consultation will be required to resolve the objection through actions including, but not limited to, identifying project alternatives that may result in the undertaking having no adverse effect on historic properties. The costs of such recovery and recordation will generally be the responsibility of the Applicant/Developer.

- a) When an Applicant's project cannot be modified and will have adverse effects on an archaeological property, SHPO may treat the adverse effect by providing for the recovery of significant information through archaeological data recovery or other scientific means. To accomplish this objective, SHPO will follow the **"Recommended Approach for Consultation on Recovery of Significant Information from Archaeological Sites"** published in the Federal Register (64 FR 27085, May 18, 1999); and consult with the other consulting parties to prepare a **data recovery plan**, including material and record curation provisions. A report of data recovery efforts must be completed and submitted to the SHPO for review.
- b) For sites where SHPO determines other treatment measures are appropriate, SHPO will consult further with the other consulting parties to develop an appropriate approach to resolving the adverse effects.

## Protocol:

### Discovery of Human Skeletal Materials & Associated Funerary Items

#### 1) STOP WORK.



If any employee, contractor, or subcontractor believes that he or she has uncovered skeletal remains at any point in the project, **all work at and adjacent to the discovery must stop**. The discovery location should be secured at all times. Minimize movement of vehicles and equipment in area immediately surrounding the discovery.



## 2) CONTACT.

The Site Superintendent shall notify the Project Manager and the appropriate local law enforcement agency immediately. The Project Manager shall notify the SHPO as soon as possible. Law enforcement will then determine if the remains are human, and whether the discovery constitutes a crime scene.

- a) If the police determine that human remains represent evidence of a crime or missing person, they will complete their investigation and determine if/when construction may resume.
- b) If skeletal remains are determined to be non-human and no archaeological association has been identified, then the Project Manager will notify the SHPO and upon receiving written confirmation, construction may proceed.
- c) If the police determine that human remains do not represent evidence of a crime or missing person, but an archaeological burial site, then the Project Manager will notify the SHPO and consult SHPO staff to develop a recovery plan. In most cases, it is preferred that burial sites be preserved, adequately documented, and maintained in place.

If this is not possible, the remains and any associated materials would need to be moved for their protection. The following sequence of steps will be employed if it is not possible to preserve and maintain an inadvertently discovered burial in place.

## 3) DOCUMENT:

A qualified archaeologist experienced in human remains recovery shall document and recover the remains and any related materials that may be present. Archaeological expertise is important in documenting the discovery context and evaluating whether the remains are isolated or if additional remains may be immediately present. Archaeological recovery may be done under the auspices of law enforcement. If law enforcement chooses not to be involved, a permit for disinterment must be obtained from the local Department of Public Health, or through a court order.

- a. Documentation and recovery shall be respectful and, to the extent possible, conducted out of public view.
- b. As soon as possible, the remains shall be examined by a physical anthropologist using standard non-invasive methods and procedures to create a basic biological profile and estimate ethnicity. Known or suspected Native American Ancestors or other materials subject to **Native American Graves Protection & Repatriation Act (NAGPRA)** will not be moved, touched, or further disturbed after discovery until completion of Tribal consultation or emergent circumstances arise.
- c. If it can be determined immediately that a discovery is, or has the potential to be, a Native American Ancestor and/or other materials subject to NAGPRA (i.e., associated or unassociated funerary objects, sacred objects, and objects of



cultural patrimony), the appropriate tribal officials will be notified within 48 hours of discovery and potential identification. Tribal notification and consultation will be coordinated by the SHPO.

- d. After notification and initial consultation, consulting Tribes may request that all federally recognized Tribes considered likely to be culturally affiliated with the discovery, be notified in writing by mail or email and further consultation initiated regarding the cultural affiliation, care, handling, excavation (if necessary), and/or disposition per NAGPRA.
- e. Accommodation will be made for traditional or ceremonial practices in association with discoveries. Consulting Tribes will be afforded opportunities to employ proper traditional cultural practices and treatments during periods of non-Tribal holding of discoveries.
- f. Photographs shall not be taken, except when necessary for identification and documentation. Tribes may request that any photographs of Native American Ancestors or other materials subject to NAGPRA be destroyed or repatriated at the end of the project.
- g. The permanent care of Native American Ancestors and materials subject to NAGPRA will be determined by the appropriate Tribe or Tribes in consultation with the SHPO.
- h. Pending consultations, documentation of the discovery will include a written description, mapping and sketching, and precise GPS coordinates. This documentation will be curated with other project records and not be published or made publicly available in any way.
- i. To ensure the protection, preservation, and proper respectful treatment of any discovered materials, pursuant to applicable law, the nature and location of any discovery shall remain confidential as best as reasonably possible given the circumstances and location.

Only those persons and entities identified in this plan shall be notified of the discovery or given information about the discovery. **The Applicant/Developer, Project Manager, Site Superintendent, and related contractors shall ensure all staff and consulting personnel are appropriately trained for their respective roles in implementing this plan.**

#### 4) REPORTING:

Draft and final archaeological reports, with related physical anthropological reports and law enforcement case documentation appended, will be submitted to SHPO, and consulting **Tribal Historic Preservation Officers (THPOs)**.





**All Appropriate Inquiry (AAI)  
Phase I Environmental Site Assessment  
Per EPA 40 CFR Part 312 & ASTM E1527-21**

**Project #**  
**2025282**

**Performed At:**

+/- 35 Acres West of S. Crystal Lake Road  
Portion of P.I.N. 14-09-100-001 & 14-08-200-002  
McHenry, Illinois 60050

**Performed For:**

Mr. Tej Patel  
McHenry Solar Farm LLC  
141 W. Jackson Boulevard, Suite 1692  
Chicago, Illinois 60604

**Performed By:**

Stateline Environmental Consulting Services, Inc.

**Completed On:**

January 21, 2026

**Completed By:**

Ms. Alexandra Cook  
Environmental Geologist  
Stateline Environmental Consulting Services, Inc.



*Subject Property*

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**ABBREVIATIONS AND ACRONYMS:**

<b>AAI</b>	All Appropriate Inquiry	<b>NFA / NFR</b>	No Further Action / No Further Remediation
<b>ACM</b>	Asbestos-Containing Material	<b>OSFM</b>	Office of the State Fire Marshal
<b>AST</b>	Above Ground Storage Tank	<b>OSHA</b>	Occupational Safety and Health Administration
<b>ASTM</b>	American Society for Testing and Materials	<b>PACM</b>	Possible Asbestos Containing Material
<b>BGS</b>	Below Grade Surface	<b>PCBs</b>	Polychlorinated Biphenyls
<b>BTEX</b>	Benzene, Toluene, Ethylbenzene and Xylenes	<b>PCE, PERC</b>	Perchloroethylene, Tetrachloroethylene, Tetrachloroethene
<b>CAP</b>	Corrective Action Plan	<b>PID</b>	Photo-Ionization Detector
<b>CDPH</b>	City of Chicago Department of Public Health	<b>PNA / PAH</b>	Polynuclear Aromatic Hydrocarbons
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act	<b>RAP</b>	Remedial Action Plan
<b>CESQGs</b>	Conditionally Exempt Small Quantity Generators	<b>RCRA</b>	Resource Conservation and Recovery Act
<b>CREC</b>	Controlled Recognized Environmental Condition	<b>REC</b>	Recognized Environmental Condition
<b>ERIS</b>	Environmental Risk Information Services	<b>RSRA</b>	Records Search with Environmental Risk Assessment
<b>ESA</b>	Environmental Site Assessment	<b>SQG</b>	Small Quantity Generator
<b>FOIA</b>	Freedom of Information Act	<b>SVOCs</b>	Semi-Volatile Organic Compounds
<b>GIS</b>	Geographic Information System	<b>TACO</b>	Tiered Approach to Corrective Action Objectives
<b>GPR</b>	Ground-Penetrating Radar	<b>TCE</b>	Trichloroethylene, Trichloroethene
<b>HREC</b>	Historical Recognized Environmental Condition	<b>TPH</b>	Total Petroleum Hydrocarbons
<b>HVAC</b>	Heating, Ventilation and Air Conditioning	<b>TSA</b>	Transaction Screen Environmental Site Assessment
<b>IEMA</b>	Illinois Emergency Management Agency	<b>USDA</b>	United States Department of Agriculture
<b>IEPA</b>	Illinois Environmental Protection Agency	<b>USEPA</b>	United States Environmental Protection Agency
<b>ISGS</b>	Illinois State Geological Survey	<b>USGS</b>	United States Geological Survey
<b>LQG</b>	Large Quantity Generator	<b>UST</b>	Underground Storage Tank
<b>LUST</b>	Leaking Underground Storage Tank	<b>VCP / SRP</b>	Voluntary Cleanup Program / Site Remediation Program
<b>MSDS</b>	Material Safety Data Sheet	<b>VOCs</b>	Volatile Organic Compounds
<b>MTBE</b>	Methyl Tertiary Butyl Ether	<b>VSQG</b>	Very Small Quantity Generator
<b>NESHAP</b>	National Emission Standards for Hazardous Air Pollutants		

**UNITS**

<b>µg/L</b>	Micrograms per Liter	<b>pCi/L</b>	PicoCuries per Liter
<b>mg/kg</b>	Milligrams per Kilogram	<b>ppb</b>	Parts per Billion
<b>mg/L</b>	Milligrams per Liter	<b>ppm</b>	Parts Per Million

## 1.0 Executive Summary:

As requested by Mr. Tej Patel of McHenry Solar Farm LLC, Chicago, Illinois, Stateline Environmental Consulting Services, Inc. (Stateline) performed an All Appropriate Inquiry (AAI) Phase I Environmental Site Assessment (ESA) at:

+/- 35 Acres West of S. Crystal Lake Road  
Portion of P.I.N. 14-09-100-001 & 14-08-200-002  
McHenry, Illinois 60050

This AAI ESA was performed in accordance with EPA 40 CFR Part 312 and ASTM E1527-21 in order to identify the potential for hazardous substances or petroleum products, which would be considered a “Recognized Environmental Condition.”

Mr. Adam K. Zakroczymski III, E.P., President of Stateline, and Ms. Alexandra Cook, Environmental Geologist of Stateline, conducted a visual site inspection of the subject property on January 15, 2026. Stateline personnel were unescorted throughout the subject property.

<b>General Property &amp; Building Characteristics</b>	
<b>Property Size:</b>	+/- 35 Acres within a 79 Acre Plot of Land Across Two (2) Parcels
<b>Building Size:</b>	Not Applicable
<b>Stories:</b>	Not Applicable
<b>Construction:</b>	Not Applicable
<b>Year Built:</b>	Not Applicable
<b>Use:</b>	Unimproved Agricultural Land / Vacant Land
<b>Occupant:</b>	Not Applicable
<b>Climate Control:</b>	Not Applicable
<b>Remaining Areas:</b>	Agricultural Land, Low-Lying Rock & Dirt Deposit Area Near the West Property Boundary and a Tree Line Along the South Property Boundary
<b>Staining:</b>	None

**Visual Observations:** Stateline personnel did not identify any RECs during the visual property inspection.

**Regulatory Database:** The subject property is not listed on any of the local, state or federal databases researched by Stateline as part of this AAI Phase I ESA.

**Historical Observations:** Based on a review of information dating back to 1939, the subject property originally consisted of unimproved agricultural land. Between 1939 and 1954, an area of land near the west property boundary became comprised of low-lying vegetation. The subject property has historically been used for unimproved land / agricultural purposes with no evidence of past structures. The subject property remains unimproved agricultural land with an area of low-lying vegetation near the west property boundary through present day. No evidence of prior structures such as foundations or building materials were noted. No indications of historical manufacturing, fuel storage, vehicle servicing or repair were noted. No RECs were noted as a result of the Historical Observations for the subject property.

*Executive Summary Continued on Next Page:*

*Executive Summary Continued:*

**1.1 Conclusions:**

<b>Topic</b>	<b>De Minimis</b>	<b>REC</b>	<b>CREC</b>	<b>HREC</b>	<b>Other</b>
<b>Visual Observations:</b>	No	No	No	No	No
<b>Historical Observations:</b>	No	No	No	No	No
<b>Database Review:</b>	No	No	No	No	No
<b>Adjacent Properties:</b>	No	No	No	No	No
<b>Significant Data Gaps:</b>	No	No	No	No	No
<b>Recommendations:</b>	No	No	No	No	No

After a review of available record sources, a visual inspection of the subject property and interviews with individuals with knowledge of the property, **NO “RECOGNIZED ENVIRONMENTAL CONDITIONS” ARE PRESENT** in conjunction with the subject property or immediately adjacent properties. Therefore, no additional environmental investigation is warranted at the present time.

## **2.0 Introduction:**

This report outlines the findings, opinions and conclusions of the AAI ESA performed at +/- 35 Acres West of S. Crystal Lake Road, Portion of P.I.N. 14-09-100-001 & 14-08-200-002, McHenry (McHenry County), Illinois 60050 as requested by Mr. Tej Patel of McHenry Solar Farm LLC, Chicago, Illinois under Project No. 2025282.

Property Index Numbers: 14-09-100-001 & 14-08-200-002

Abbreviated Legal Descriptions: The Abbreviated Legal Descriptions for the subject property are included within the McHenry County Assessor's Office Property Information Sheets, which are included in the Appendices section of this report.

Current Use of Subject Property: At the time of the visual property inspection, the subject property was unimproved agricultural land.

### **2.1 Purpose:**

The purpose of this AAI ESA was to identify any potential "Recognized Environmental Conditions" at the subject property, or surrounding properties, which may have an adverse impact to the subject property. Typically, the ESA is required as documentation for financial purposes.

### **2.2 Scope of Services:**

This ESA was conducted in accordance with EPA 40 CFR Part 312 and ASTM E1527-21, which are considered the common standard practices for ESAs. This ESA was contracted through a signed agreement between Stateline and its client on November 6, 2025 as Project No. 2025282.

The scope of services included in this assessment are:

*Site Reconnaissance:* Includes general building / property configurations (interior and exterior), building materials, current uses, etc., which identify the possibility of ASTs / USTs, hazardous substances / wastes and or petroleum products / wastes, wells, pits, buckets, containers, drums, air emissions, water sources and discharges and storm water discharges. The site reconnaissance section also includes descriptions of adjacent properties and observations of environmental significance associated with adjacent properties.

*Records Review:* Includes a review of physical setting sources (review of topographic, soil, wetland and other applicable reasonably ascertainable geologic maps), standard governmental environmental record resources (comprised of standard regulatory databases including local, state, federal and tribal listings for the subject property and adjoining sites), additional governmental record sources, historical use information regarding the subject property and adjacent properties. Includes previous ownership, usage and configurations from sources including, but not limited to; aerial photographs, Fire Insurance Maps, Assessor records, local building and fire department records, City Directories and personal interviews. An overview of the historical use of the subject property and adjoining properties will be provided within this section.

*Interviews:* Provides a summary of interviews conducted with present owners, operators and occupants, as well as key site manager(s) and persons with first-hand knowledge regarding the subject property. This section also includes interviews with state and / or local government officials.

*Non-Scope Considerations:* Provides information including, but not limited to; PACM, mold, Lead-based paint, PCB-containing building materials (interior fluorescent light ballasts, paint and caulk), Radon and wetlands. Other non-scope considerations such as biological agents, health and safety topics, Lead in drinking water and regulatory compliance are only included if requested by the user of this report.

*Findings and Opinions / Conclusions:* Documents the findings and opinions of this Phase I ESA. Stateline will also provide a discussion relating to Non-Scope Considerations, Significant Data Gaps, Business Environmental Risks and any deletions. Conclusions will be outline to include any applicable recommendations related to the findings and opinions of the Phase I ESA. The E.P.'s statement will also be included within this section along with a listing of applicable references used during the completion of the report.

*Appendices:* The Appendices section includes all supporting documentation used during the completion of this Phase I ESA, as well as the qualifications of all staff, including the E.P., who completed the site reconnaissance, interviews and report. This documentation includes a site drawing, a site setting map, aerial photographs, geologic maps, Fire Insurance Maps (as available) and any additional maps or documentation used during the course of this Phase I ESA such as City Directories, building permits / records, fire department permits / records, assessor's information, county G.I.S. information, etc.

### 2.3 Significant Assumptions:

Stateline has prepared this assessment in accordance with EPA 40 CFR Part 312 and ASTM E1527-21, as well as generally accepted industry methods. The format of this report follows the general recommended report format by ASTM with minor alterations to conform to our client's requirements. Stateline uses trained and knowledgeable Environmental Professionals using practical industry methods to identify potential environmental adversities, which would constitute a "Recognized Environmental Condition." The opinions and conclusions outlined in this AAI ESA are based off the visual inspection of the property and adjoining properties, readily available historical sources, interviews and any other records or information supplied to / or researched by Stateline during the course of this ESA.

## 2.4 Limitations, Exceptions & Deviations:

This AAI ESA is not limited to Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and may be used by those who have no CERCLA liability and may or may not be seeking Landowner Liability Protections (LLPs). This ESA is considered to be site specific. Any additional services within this ESA are outlined in the appropriate section of this report. No physical sampling is included as part of this ESA unless agreed upon by Stateline and its client. No ESA can completely eliminate the uncertainty of “Recognized Environmental Conditions” in connection with the subject property. AAI does not mean an exhaustive ESA of a subject property. Typically, the ESA includes information obtained within the cost and timeframe required to reduce uncertainties in connection with the subject property. The level of investigation and research varies based on the property, current usage and historical usage. Stateline determines the level of inquiry based on the characteristics of each individual site.

Stateline does not warrant that the past, current or future operations at the subject property are in full accordance with local, state, federal and tribal laws, regulations or codes. Furthermore, Stateline does not warrant any changes to the property after the completion of this ESA. Stateline will not be responsible for consequences based on factors that were withheld (either by the user of this ESA, property owners, managers, occupants or prospective purchasers) during the completion of this ESA. Additional limiting conditions may include safety concerns, weather, snow cover, flooding, vegetation, structures, asphalt, bodies of water, vehicles and / or equipment that may inhibit identifying potential “Recognized Environmental Conditions.” Stateline will not be held responsible for such limiting conditions that may be out of its control.

Stateline uses an independent third-party company to provide the database / regulatory report illustrated in this ESA. All information included in this regulatory report was assumed to be accurate unless otherwise noted by Stateline throughout the duration of this ESA. Similarly, Stateline obtains historical information from third-party record sources including, but not limited to; county G.I.S. websites, independent mapping websites, corporate websites, local governmental departments (village, city, county, etc.) and persons with specific knowledge of a property or industry. All information gathered by Stateline is assumed accurate unless otherwise noted by Stateline. Stateline cannot be held liable for errors in information obtained from any third-party sources.

Any title information within this ESA is considered to be for historical use information only. Stateline is not a professional title company and any title information should not be relied upon as such.

Stateline Environmental Consulting Services, Inc. has performed this All Appropriate Inquiry (AAI) Phase I Environmental Site Assessment in accordance with EPA 40 CFR Part 312 and ASTM E1527-21. Stateline is not aware of any deviations from the referenced standards.

## 2.5 Special Terms, Conditions & User Reliance:

This AAI ESA has been performed for the exclusive use of McHenry Solar Farm LLC and its affiliates. Any other uses of this assessment outside of Stateline and its contracted client must be agreed upon in writing by Stateline and its client. All users of this ESA understand that the subject property may change at any time and that Stateline cannot be held responsible for environmental issues that were withheld or hidden at the time this ESA was completed.

### **3.0 User Provided Information:**

#### **3.1 Title Records / Environmental Liens:**

McHenry Solar Farm LLC did not provide Stateline with any title records and / or environmental liens for use and / or consideration for this ESA. Stateline was not contracted to perform a Chain of Title search for the subject property, however, no evidence of title records of negative environmental consequence or environmental liens were revealed during the course of this ESA.

#### **3.2 Activity & Land Use Limitations:**

McHenry Solar Farm LLC did not provide any information regarding environmental liens or activity and use limitations to Stateline for use or consideration in this ESA.

#### **3.3 Specialized Knowledge or Experience of the User:**

McHenry Solar Farm LLC did not provide any specialized knowledge regarding the subject site to Stateline for use or consideration in this ESA. Stateline personnel conducted interviews with persons who have knowledge of the subject property. These interviews are outlined in Section 6 of this report.

#### **3.4 Actual Knowledge of the User:**

McHenry Solar Farm LLC did not provide any actual knowledge of any environmental lien or activity and use limitations encumbering the subject property or in connection with the subject property.

#### **3.5 Reason for Significantly Lower Purchase Price (Valuation Reduction):**

McHenry Solar Farm LLC indicated that the purchase price or refinance amount being paid for the subject property reasonably reflects the fair market value of the property. Based on the nature of this property, transaction and reason for performing this ESA, Stateline does not believe Valuation Reduction poses a concern regarding environmental issues.

#### **3.6 Commonly Known or Reasonably Ascertainable Information:**

McHenry Solar Farm LLC did not provide any additional Commonly Known or Reasonably Ascertainable Information pertaining to environmental concerns at the subject property.

#### **3.7 Degree of Obviousness (Obvious Releases from / to Subject Property):**

McHenry Solar Farm LLC did not indicate that any obvious releases have occurred from and / or to the subject property.

### 3.8 Other Information:

This AAI ESA was performed to adhere to the internal policies of McHenry Solar Farm LLC for real estate transactions. This assessment may also be required for financial and business documentation and this assessment will satisfy the requirements under the innocent landowner defense to Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability if necessary.

McHenry Solar Farm LLC provided Stateline with the general size, usage and overview of the subject property. Stateline personnel were informed that Mr. Michael Wolff is the representative for the property owner and that the subject property has historically been used as agricultural land.

McHenry Solar Farm LLC completed the ASTM E1527-21 User Questionnaire for this ESA. No information of environmental concern was noted on the User Questionnaire.

A copy of the ASTM E1527-21 User Questionnaire is included within the Appendices section of this report.

#### **4.0 Site Reconnaissance:**

Mr. Adam K. Zakroczymski III, E.P., President of Stateline, and Ms. Alexandra Cook, Environmental Geologist of Stateline, conducted a visual site inspection of the subject property on January 15, 2026. Stateline personnel were unescorted throughout the subject property. The weather was approximately 25 degrees Fahrenheit and partly cloudy.

##### **4.1 Methodology & Limiting Conditions:**

The site reconnaissance consists of a visual property inspection of any and all available portions of the property, buildings and improvements, which can be safely accessed through normal means of entry. Any unimproved areas are visually inspected in a perimeter and / or grid pattern of safely accessible areas. Stateline's visual inspection outlines general property characteristics and improvements including general building construction / materials, potential above ground storage tanks and underground storage tanks, potential hazardous wastes / materials and petroleum wastes / materials, possible asbestos containing materials, lead-based paint, air emissions, waste water discharges, business operations and / or processes, PCBs, ponds, pits, lagoons, wells and septic systems.

##### **4.2 General Site Setting:**

<b>General Property &amp; Building Characteristics</b>	
<b>Property Size:</b>	+/- 35 Acres within a 79 Acre Plot of Land Across Two (2) Parcels
<b>Building Size:</b>	Not Applicable
<b>Stories:</b>	Not Applicable
<b>Construction:</b>	Not Applicable
<b>Year Built:</b>	Not Applicable
<b>Use:</b>	Unimproved Agricultural Land / Vacant Land
<b>Occupant:</b>	Not Applicable
<b>Climate Control:</b>	Not Applicable
<b>Remaining Areas:</b>	Agricultural Land, Low-Lying Rock & Dirt Deposit Area Near the West Property Boundary and a Tree Line Along the South Property Boundary
<b>Staining:</b>	None

Stateline personnel did not observe any signs of subsurface soil staining and / or stressed vegetation at the subject property during the visual property inspection. Stateline did not observe any evidence of former structures during the visual property inspection.

A Site Drawing for the subject property is included in the Appendices section of this report.

#### 4.3 Current Uses of Adjoining Properties:

Stateline conducted a visual assessment of the surrounding properties to investigate any potential environmental adversities that may impact the subject property.

NORTH	Unimproved agricultural land.
SOUTH	Farmsteads and single-family residential homes (1315 & 1409 Crystal Lake Road & 6212 & 6220 Mason Hill Road) and a church (Fellowship of Faith, 6120 Mason Hill Road), beyond which is Mason Hill Road.
EAST	Crystal Lake Road, beyond which are a single-family residential home (1214 Crystal Lake Road) and a farmstead (1308 Crystal Lake Road).
WEST	Unimproved agricultural land.

After a visual inspection of the surrounding properties, Stateline does not believe there to be any environmental concerns, which may impact the subject site.

#### 4.4 Above Ground & Underground Storage Tanks:

*Visual Site Inspection Observations:* Stateline personnel did not observe any signs of current and / or previous UST emplacements and / or removals at the subject property.

*Historical Records Review:* Stateline did not reveal any historical evidence of previous or current underground storage tank emplacements, removals or usage at the subject property.

#### 4.5 Hazardous Wastes & Materials / Petroleum Wastes & Materials:

*Hazardous Wastes & Materials:* Stateline did not observe any evidence, storage, usage or disposal of hazardous wastes and / or materials at the subject property.

*Petroleum Wastes & Materials:* Stateline did not observe any evidence, storage, usage or disposal of petroleum wastes and / or materials at the subject property.

#### 4.6 Unidentified Substance Containers:

Stateline personnel did not observe any unidentified substance containers at the subject property.

#### 4.7 Odors:

Stateline personnel did not note any strong, pungent or noxious odors at the subject property during the visual property inspection.

#### 4.8 Stains and Corrosion on Floors, Walls or Ceilings:

The subject property was unimproved agricultural land at the time of the visual property inspection. No stains or corrosion were noted.

#### 4.9 Stained Soil and / or Pavement and Stressed Vegetation:

Stateline personnel did not observe any signs of surface soil / pavement staining and / or stressed vegetation at the subject property during the visual property inspection.

#### 4.10 Pools of Liquid, Ponds, Pits, Lagoons, Sumps & Wells:

Stateline did not observe any signs of pools of liquid, ponds, pits, lagoons, sumps or wells during the visual property inspection.

#### 4.11 Polychlorinated Biphenyls (PCBs):

Stateline did not observe any possible PCB containing transformers, lifts or equipment at the subject property. Therefore, PCBs do not pose an environmental concern at this time.

#### 4.12 Solid Waste:

At the time of the visual property inspection, the subject property was completely unimproved. Therefore, no solid waste is generated at the subject property.

#### 4.13 Water Sources, Waste Water Discharges & Storm Water Discharges:

*Water Sources:* Upon development, water for the subject property will be obtained from an onsite potable water well. No assumptions as to water quality can be made without proper laboratory analysis.

*Waste Water Discharges:* Upon development, it is assumed that mainly sanitary sewer wastes will be generated from the subject property. Wastewater will flow to an onsite septic system.

Stateline does not believe there to be any adverse impacts to the subject site as a result of the water sources and waste water discharges. No assumptions as to water quality can be made without proper laboratory analysis.

*Storm Water Discharges:* Based on observations made during the visual site inspection, storm water discharges do not appear to pose a concern at the present time and no permitting appears to be necessary. A storm water discharge permit may be required should any processes, discharges, construction or reconstruction be implemented at the subject property.

#### 4.14 Air Emissions / Heating & Cooling:

Air emissions concerns may be present in instances where spray paint booths, certain chemical burn offs are utilized and for furnaces, boilers or heaters with high BTU outputs. State and Federal laws regulate the usage and permitting of such devices.

*Visual Property Inspection:* At the time of the visual property inspection, the subject property consisted of unimproved land and no air emissions sources were present. Therefore, no air emissions concerns or violations appear to be present in conjunction with the subject property.

#### 4.15 Vapor Migration Screening:

Migration refers to the movement of hazardous substances or petroleum products in any form, including solid and liquid at the surface or subsurface, and vapor in the subsurface. Contaminants of concern usually associated with Vapor Migration concerns include, but are not limited to, Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs), which are known to have a negative impact on human health. Vapors may travel in the path of least resistance; originating from a source of contamination (soil or groundwater) and follow natural and / or manmade pathways thus impacting indoor air quality at concentrations known to be detrimental to occupants.

Stateline did not note any sites within the minimum search distance that would pose a Vapor Encroachment Condition / Vapor Migration concern to the subject property.

#### 4.16 Per- and Polyfluoroalkyl (PFAS) Screening:

The U.S. EPA recently classified perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) as hazardous substances under CERCLA/ Superfund. PFOA and PFOS are the most studied PFAS and have been used in a variety of manufacturing processes and products such as surface protectants for fabrics such as clothing, leather and carpets, paper and cardboard coating, nonstick cooking coatings, electric wire casings, tubing and aqueous film forming foam (AFFF). PFAs can also be found in hydraulic fluids, lubricants, grease, paints, varnishes, inks and adhesives. PFAS are known as “forever” chemicals that are highly resistant to degradation and stay present in the environment for extended periods of time. PFAS can also be present in wastewater discharges, stormwater discharges or air emissions.

Stateline personnel did not identify any potential operations at the subject property that would have directly used, handled or generated products or materials containing PFAs. It should be noted that PFAs have shown to be anthropogenically present in many environments, however, based on research and observations conducted during the course of this ESA, PFAs do not represent a REC at the present time.

## **5.0 Records Review:**

### **5.1 Physical Setting Sources:**

#### **Soil Description:**

The U.S. Department of Agriculture-Natural Resource Conservation Service (USDA-NRCS) classifies the subject property as being in the Proctor silt loam (148A), the Brenton silt loam (149A), the Warsaw loam (290C2), the Ringwood silt loam (297B), the Griswold loam (363C2) and the Orthents, loamy, undulating (802B) soil series.

The Proctor silt loam is a well drained soil formed on outwash plains and stream terraces. This soil consists of silt loam to a depth of 11 inches BGS, silty clay loam to a depth of 27 inches BGS, clay loam to a depth of 38 inches BGS and stratified loam to sand to a depth of 73 inches BGS. This soil is not prone to frequent ponding or frequent flooding.

The Brenton silt loam is a somewhat poorly drained soil formed on outwash plains and stream terraces. This soil consists of silt loam to a depth of 13 inches BGS, silty clay loam to a depth of 35 inches BGS, loam to a depth of 43 inches BGS and stratified loamy sand to silt loam to a depth of 60 inches BGS. This soil is not prone to frequent flooding or frequent ponding.

The Warsaw loam is a well drained soil formed on outwash plains and outwash terraces. This soil consists of loam to a depth of 26 inches BGS, gravelly clay loam to a depth of 35 inches BGS and very gravelly sand to a depth of 60 inches BGS. This soil is not prone to frequent flooding or frequent ponding.

The Ringwood silt loam is a well drained soil formed on ground moraines and end moraines. This soil consists of silt loam to a depth of 12 inches BGS, silty clay loam to a depth of 36 inches BGS and sandy loam to a depth of 60 inches BGS. This soil is not prone to frequent flooding or frequent ponding.

The Griswold loam is a well drained soil formed on ground moraines and end moraines. This soil consists of loam to a depth of 10 inches BGS, clay loam to a depth of 24 inches BGS sandy loam to a depth of 27 inches BGS and gravelly sandy loam to a depth of 60 inches BGS. This soil is not prone to frequent flooding or frequent ponding.

The Orthents, loamy, undulating soil series is a well drained soil consisting of earthy fill. This soil consists of loam to a depth of six (6) inches BGS and clay loam to a depth of 60 inches BGS. This soil is not to prone frequent flooding or frequent ponding.

Stateline personnel did not observe any signs of surface soil staining and / or stressed vegetation at the subject property during the visual property inspection.

*Physical Setting Sources Continued on Next Page:*

*Physical Setting Sources Continued:*

Topographic Information:

According to the McHenry County Topographic Map and the USGS Topographic Map provided within the ERIS Database Report, the subject property is at an approximate elevation of 785-825 feet above mean sea level with the highest point in elevation at the southeast corner of the property and the lowest point in elevation at the northwest corner of the property. A slight to moderate down-gradient slope is present from the southeast corner / south property boundary near the southeast corner toward the north. A moderate to significant down-gradient slope is present from the eastern edge of the low-lying vegetation rock and dirt deposit area toward the west. Stateline's observations during the visual property inspection parallel the observations made on the McHenry County Topographic Map and the USGS Topographic Map.

Groundwater, Bedrock and / or Surficial Geology Information:

Based on information deduced from available topographic maps, combined with regional geological characteristics, assumed groundwater flow is to the north and west toward Boone Creek. Actual groundwater flow direction may be different based on hydrogeologic conditions within the area of the subject property.

According to the Illinois Bedrock Geology of Illinois Map obtained from Illinois State Geological Survey (ISGS), the subject property is illustrated as being on Ordovician-dated bedrock. The Ordovician System undivided includes the Scales Shale, Fort Atkinson Limestone, Brainard Shale and the Neda Formation.

Copies of the above-mentioned available maps are included in the Appendices of this report.

5.2 Historical Records Review:

5.2.1 Aerial Photograph Review:

Aerial photographs from 1939 to 2024 were reviewed by Stateline for the subject site and surrounding area(s). Stateline reviewed aerials obtained from Google Earth, the USGS Earth Explorer website and the ISGS Geospatial Clearinghouse website. The following observations were made:

<b>1939 Aerial</b>	
<b>Property</b>	Unimproved agricultural land.
<b>North</b>	Unimproved agricultural land and an apparent farmstead.
<b>South</b>	Unimproved agricultural land and an apparent farmstead, beyond which is Mason Hill Road.
<b>East</b>	Crystal Lake Road, beyond which are unimproved agricultural land and an apparent farmstead.
<b>West</b>	Unimproved agricultural land.

<b>1954 &amp; 1961 Aerials</b>	
<b>Property</b>	Unimproved agricultural land with an area of low-lying vegetation near the west property boundary.
<b>North</b>	Unimproved agricultural land and an apparent farmstead.
<b>South</b>	Unimproved agricultural land and an apparent farmstead, beyond which is Mason Hill Road.
<b>East</b>	Crystal Lake Road, beyond which are unimproved agricultural land and an apparent farmstead.
<b>West</b>	Unimproved agricultural land.

<b>1967 Aerial</b>	
<b>Property</b>	Unimproved agricultural land with an area of low-lying vegetation near the west property boundary.
<b>North</b>	Unimproved agricultural land and an apparent farmstead.
<b>South</b>	Unimproved agricultural land, an apparent farmstead and apparent single-family residential homes, beyond which is Mason Hill Road.
<b>East</b>	Crystal Lake Road, beyond which are unimproved agricultural land and an apparent farmstead.
<b>West</b>	Unimproved agricultural land.

<b>1980, 1988, 1999 &amp; 2002 Aerials</b>	
<b>Property</b>	Unimproved agricultural land with an area of low-lying vegetation near the west property boundary.
<b>North</b>	Unimproved agricultural land and an apparent farmstead.
<b>South</b>	Unimproved agricultural land, an apparent farmstead and apparent single-family residential homes, beyond which is Mason Hill Road.
<b>East</b>	Crystal Lake Road, beyond which are apparent single-family residential homes and an apparent farmstead.
<b>West</b>	Unimproved agricultural land.

*Aerial Photograph Review Continued on Next Page:*

*Aerial Photograph Review Continued:*

<b>2005, 2009, 2014 &amp; 2018 Aerials</b>	
<b>Property</b>	Unimproved agricultural land with an area of low-lying vegetation near the west property boundary.
<b>North</b>	Unimproved agricultural land and an apparent farmstead.
<b>South</b>	Unimproved agricultural land, an apparent farmstead, an apparent commercial building and apparent single-family residential homes, beyond which is Mason Hill Road.
<b>East</b>	Crystal Lake Road, beyond which are apparent single-family residential homes and an apparent farmstead.
<b>West</b>	Unimproved agricultural land.

<b>2022 &amp; 2025 Aerials</b>	
<b>Property</b>	Unimproved agricultural land with an area of low-lying vegetation near the west property boundary.
<b>North</b>	Unimproved agricultural land and unimproved land comprised of low-lying vegetation with the remnants of an apparent driveway.
<b>South</b>	Unimproved agricultural land, an apparent farmstead, an apparent commercial building and apparent single-family residential homes, beyond which is Mason Hill Road.
<b>East</b>	Crystal Lake Road, beyond which are apparent single-family residential homes and an apparent farmstead.
<b>West</b>	Unimproved agricultural land.

No RECs associated with the subject property or immediately adjacent properties were revealed as a result of the review of aerial photographs.

Copies of the above referenced aerial photographs are included within the Appendices section of this report.

**5.2.2 Fire Insurance Maps Review:**

Stateline requested Fire Insurance Maps from Environmental Risk Information System, Inc. (ERIS). Stateline received a Fire Insurance Maps Research Results Letter indicating that there are no Fire Insurance Maps available for the subject property and / or surrounding area. Therefore, Fire Insurance Maps are considered not reasonably ascertainable.

A copy of the Fire Insurance Maps Research Results Letter is included within the Appendices section of this report.

### 5.2.3 Assessor Records:

*McHenry County Assessor's Office / Nunda Township Assessor's Office Websites:* Stateline personnel accessed the McHenry County Assessor's Office website and the Nunda Township Assessor's Office website in an effort to obtain information relating to the subject property. The following information was reviewed by Stateline:

#### P.I.N. 14-09-100-001:

- Address: 1207 S. Crystal Lake Road, McHenry, IL 60050
- Township: Nunda
- Owner: Michael J Wolff LIV TR
- Classification: Farmland without Buildings
- Property Size: 39.00 Acres

#### P.I.N. 14-08-200-002:

- Address: Not Listed
- Township: Nunda
- Owner: Michael J Wolff LIV TR
- Classification: Farmland without Buildings
- Property Size: 40.00 Acres

NOTE: The subject property consists of the southern half / portion of both parcels and totals approximately 35 acres.

Copies of the Property Information Sheets obtained from the McHenry County Assessor's Office website and the Property Information Sheets obtained from the Nunda Township Assessor's Office website are included within the Appendices section of this report.

#### 5.2.4 Building / Fire Department Records:

*McHenry County Planning & Development Department:* Stateline personnel submitted a FOIA Request to the McHenry County Planning & Development Department requesting any records relating to construction, renovations and / or alterations, as well as certificated of occupancy and violations for the subject property. Stateline were provided with a response from the McHenry County Planning & Development Department containing a permit for the demolition of a single-family residential home dated 11/6/2006. According to aerial photographs, no structures have ever been present on the subject property. The subject property is the southern half of two (2) parcels. This permit likely pertains to the residential structure that was historically located to the north of the subject property. No additional records available pertinent to our request.

*McHenry County Health Department:* Stateline personnel submitted a FOIA Request to the McHenry County Health Department requesting any records relating to the installation or abandonment of potable water wells, septic systems and any other information of environmental consequence for the subject property. Stateline were provided with a response from the McHenry County Health Department containing a Correction Notice for permit number 06-0642 for the sealing of a well and the abandonment of a septic system. According to aerial photographs, no structures have ever been present on the subject property. The subject property is the southern half of two (2) parcels. This permit likely pertains to the residential structure that was historically located to the north of the subject property. No additional records available pertinent to our request.

*McHenry Township Fire Protection District:* Stateline personnel submitted a FOIA Request to the McHenry Township Fire Protection District requesting any records relating to UST emplacements and / or removals, storage of hazardous materials, information of environmental consequence, as well as any violations for the subject property. Stateline were provided with a response from the McHenry Township Fire Protection District stating that there were no records available pertinent to our request.

Copies of the FOIA Requests submitted to the McHenry County Planning & Development Department, the McHenry County Health Department and the McHenry Township Fire Protection District and their applicable responses are included within the Appendices section of this report.

#### 5.2.5 City Directories:

Based on a review of other reasonably ascertainable records sources, which adequately documented the historical use of the subject property and adjoining sites, no City Directories were researched, nor deemed necessary for inclusion within this report.

#### 5.2.6 Other Historical Sources:

No other historical sources were researched or deemed necessary for research for this ESA.

5.3 Standard Environmental Record Sources (Database Review):

Stateline contracted Environmental Risk Information Services (ERIS) to provide the regulatory database search for this All Appropriate Inquiry Environmental Site Assessment. ERIS utilizes an updated listing of local, state, federal and tribal databases, which outline the reported releases of hazardous substances and / or petroleum products at the subject site and surrounding properties. This database report was reviewed and interpreted by Stateline and revealed the following information:

***Leaking Underground Storage Tank (LUST)*** – Illinois Environmental Protection Agency (IEPA) – Updated August 6, 2025 – **No sites** within a half-mile radius.

***Leaking Underground Storage Tank Document (LUST DOCUMENT)*** – Illinois Environmental Protection Agency (IEPA) – Updated June 20, 2025 – **No sites** within a half-mile radius.

***Underground Storage Tank Fund Payment Priority List (LUST TRUST)*** – Illinois Environmental Protection Agency – Updated November 1, 2016 – **No sites** within a half-mile radius.

***Delisted Leaking Underground Storage Tank Sites (DELISTED LUST)*** – Illinois Environmental Protection Agency – Updated August 6, 2025 – **No sites** within a half-mile radius.

***Underground Storage Tank (UST)*** – Office of the State Fire Marshal (OSFM) – Updated June 18, 2025 – **No sites** within a quarter-mile radius.

***Aboveground Storage Tank (AST)*** – Office of the State Fire Marshal (OSFM) – Updated June 30, 2025 – **One (1) site** within a quarter-mile radius. **One site (1)** within an eighth-mile radius.

Property	Address	Distance	Elevation
<sup>1</sup> Verizon Wireless	1207 Crystal Lake Rd.	0.03 mile ENE	- 8

<sup>1</sup>Verizon Wireless, addressed as 1207 Crystal Lake Road, is listed as an AST site. It is assumed that this AST is in conjunction with a cellular tower. This site shares an address with the east parcel of the subject property. The cellular tower is located approximately 3,221 feet (0.61 miles) north of the northeast corner of the subject property. Based on the actual distance from the subject property, Stateline would not consider this listing to represent a REC to the subject property.

***Resource Conservation and Recovery Act Generators (RCRA GEN)*** – Environmental Protection Agency (EPA) – Updated September 1, 2025 – **No sites** within a quarter-mile radius. VSQG = Very Small Quantity Generator; LQG = Large Quantity Generator; SQG = Small Quantity Generator.

***Resource Conservation and Recovery Act NonGen (RCRA NonGen / NLR)*** – Environmental Protection Agency (EPA) – Updated September 1, 2025 – **No sites** within a quarter-mile radius.

***RCRA Corrective Action (RCRA COR ACT)*** – Environmental Protection Agency (EPA) – Updated September 1, 2025 – **No sites** within a one-mile radius.

***RCRA Treatment, Storage and Disposal (RCRA TSD)*** – Environmental Protection Agency (EPA) – Updated September 1, 2025 – **No sites** within a half-mile radius.

***National Priorities List (NPL)*** – Environmental Protection Agency (EPA) – Updated September 6, 2025 – **No sites** within a one-mile radius.

***Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS)*** – Environmental Protection Agency (EPA) – Updated October 25, 2013 – **No sites** within a half-mile radius.

***CERCLIS No Further Remediation Action Plan (NFRAP)*** – Environmental Protection Agency (EPA) – Updated October 25, 2013 – **No sites** within a half-mile radius.

***Federal Brownfields*** – Environmental Protection Agency (EPA) Brownfield Management System (BMS) – Updated September 8, 2025 – **No sites** within a half-mile radius.

***Brownfields Redevelopment Assessment Database (BROWNFIELDS)*** – Illinois Environmental Protection Agency (IEPA) – Updated June 30, 2025 – **No sites** within a half-mile radius.

***Emergency Response Notification System (ERNS)*** – Environmental Protection Agency (EPA) – Updated September 7, 2025 – **No listings for the subject property.**

***State / Tribal Engineering Site Remediation Programs (VCP / SRP)*** – Illinois Environmental Protection Agency (IEPA) – Updated October 9, 2025 – **No sites** within a half-mile radius.

***State / Tribal Engineering and Institutional Controls (EC/IC)*** – Illinois Environmental Protection Agency (IEPA) – Updated October 9, 2025 – **No sites** within a half-mile radius.

***Document Explorer Remediation and Assessment (REM ASSESS)*** – Illinois Environmental Protection Agency (IEPA) – Updated June 20, 2025 – **No sites** within a half-mile radius.

***State / Tribal Solid Waste Landfills (SWL)*** – Illinois Environmental Protection Agency (IEPA) – Updated June 24, 2024 – **No sites** within a half-mile radius.

***State / Tribal Spills (Spills)*** – Illinois Emergency Management Agency (IEMA) – Updated June 20, 2025 – **No sites** within an eighth-mile radius.

***Emergency Response Releases & Spills Database (SPILLS OER)*** – Office of Emergency Response (OER) – Updated July 10, 2025 – **No sites** within an eighth-mile radius.

***Federal Dry Cleaners (FED DRYCLEANERS)*** – United States Environmental Protection Agency (USEPA) Licensed Dry Cleaners – Updated July 19, 2025 – **No sites** within a quarter-mile radius.

***Delisted Federal Dry Cleaners (DELISTED FED DRY)*** – United States Environmental Protection Agency (USEPA) Licensed Dry Cleaners – Updated July 19, 2025 – **No sites** within a quarter-mile radius.

***Dry Cleaners (DRYCLEANERS)*** – Drycleaner Environmental Response Trust Fund of Illinois – Updated July 7, 2025 – **No sites** within a quarter-mile radius.

***Delisted Drycleaners (DELISTED DRYCLEANERS)*** – Drycleaner Environmental Response Trust Fund of Illinois – Updated July 7, 2025 – **No sites** within a quarter-mile radius.

**Facility Index System / Facility Registry System (FINDS)** – Environmental Protection Agency (EPA) – Updated October 10, 2025 – **No sites** within an eighth-mile radius.

**Toxic Release Inventory Program (TRIS)** – USEPA Toxics Release Inventory (TRI) – Updated September 20, 2023 – **The subject property is not listed.**

**Integrated Compliance Information System (ICIS)** – Integrated Compliance Information System and Federal Enforcement and Compliance – Updated May 3, 2025 – **The subject property is not listed.**

**Northeastern Illinois Planning Commission Historical Inventory of Solid Waste Disposal Sites in Northeastern Illinois (NIPC)** – Updated December of 1987 – **No sites** within a half-mile radius.

**Alternative Fueling Stations (ALT FUELS)** – US Department of Energy’s Office of Energy Efficiency & Renewable Energy – Updated August 1, 2025 – **No sites** within a quarter-mile radius.

**Material Licensing Tracking System (MLTS)** – Nuclear Regulatory Commission (NRC) – Updated May 11, 2021 – **No sites** within an eighth-mile radius.

**Historical Material Licensing Tracking System (MLTS)** – Nuclear Regulatory Commission (NRC) – Updated January 31, 2010 – **No sites** within an eighth-mile radius.

**State Response Action Program Database (SSU)** – Illinois Environmental Protection Agency (IEPA) – Updated January 16, 2025 – **No sites** within a one-mile radius.

**Delisted State Response Action Program (DELISTED SSU)** – Illinois Environmental Protection Agency (IEPA) – Updated January 16, 2025 – **No sites** within a one-mile radius.

**SEMS List 8R Archive Sites (SEMS ARCHIVE)** – United States Environmental Protection Agency (EPA) – Updated June 26, 2025 – **No sites** within a half-mile radius.

**SEMS List 8R Active Sites (SEMS)** – United States Environmental Protection Agency (EPA) – Updated June 26, 2025 – **No sites** within a half-mile radius.

**Polychlorinated Biphenyl (PCB) Notifiers** – United States Environmental Protection Agency (USEPA) – Updated May 23, 2024 – **No sites** within a half-mile radius.

**Tier 2 Report (TIER2)** – Illinois Emergency Management Agency (IEMA) – Updated May 10, 2023 – **No sites** within an eighth-mile radius.

**Air Permits (AIR PERMITS)** – Illinois Emergency Management Agency (IEMA) – Updated June 20, 2025 – **No sites** within a quarter-mile radius.

**Air Facility System (AFS)** – United States Environmental Protection Agency (USEPA) – Updated October 17, 2014 – **No sites** within an eighth-mile radius.

**IEPA Document Explorer (IEPA DOCS)** – Illinois Environmental Protection Agency (IEPA) – Updated March 17, 2025 – **No sites** within an eighth-mile radius.

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***PFAS Industry Sectors (PFAS IND)*** – United States Environmental Protection Agency (USEPA)  
– Updated September 1, 2025 – **No sites** within a half-mile radius.

**NOTE:** Stateline also reviewed the ERIS Report for Unplottable Sites. No unplottable records were found that may be relevant for the search criteria.

A copy of the ERIS Report is included in the Appendices section of this report.

#### 5.3.1 Additional Environmental Records Sources:

No additional environmental records sources were researched or deemed necessary during the completion of this environmental site assessment.

## **6.0 Interviews:**

### **6.1 Interview with Owner:**

Stateline personnel were informed that Mr. Michael Wolff is the owner of the subject property. Stateline conducted an interview with Mr. Wolff who provided the following information:

- Mr. Wolff stated that he has owned the subject property for 4-5 years.
- Mr. Wolff stated that the subject property has always been farmland.
- Mr. Wolff stated that the buildings associated with the property to the north were razed prior to his purchase.
- Mr. Wolff stated that there may have been dumped farm garbage in the middle of the field.
- Mr. Wolff stated that he believes that the low-lying area on the west of the property is comprised of rock and dirt from farming practices. He is unsure of the exact contents.
- Mr. Wolff has no knowledge of any fly dumping on the subject property.
- Mr. Wolff has no knowledge of any additional current or historical usage of hazardous materials at the subject property.
- Mr. Wolff has no knowledge of any UST and / or AST emplacements and / or removals at the subject property.

### **6.2 Interview with Key Site Manager:**

Mr. Wolff, the representative for the owner of the subject property, is also considered the Key Site Manager. Therefore, no interviews with a different Key Site Manager were completed or deemed necessary.

### **6.3 Interview with Occupants:**

At the time of the completion of the visual property inspection, the subject property was unoccupied and vacant land. Therefore, no interviews with occupants could be performed.

### **6.4 Interview with State and / or Local Government Officials:**

Stateline contacted the McHenry Township Fire Protection District, the McHenry County Planning & Development Department, the McHenry County Health Department, the McHenry County Assessor's Office and the Nunda Township Assessor's Office to inquire about any information these departments may have on file for the subject property. A review of the information made available to Stateline can be found in sections 5.2.3 and 5.2.4 of this report.

### **6.5 Interviews with Past Owners, Operators and / or Occupants:**

No past owners, operators or occupants were available to interview during the completion of this Phase I ESA.

### **6.6 Interview(s) with Others:**

No additional interviews with other persons such as past owners, operators and / or occupants who may have knowledge of the subject property were conducted or deemed necessary.

## **7.0 Non-Scope Considerations:**

The following observations made during the visual property inspection are considered “Non-Scope Considerations” and the presence of any such considerations do not represent “Recognized Environmental Conditions;” however have been included due to potential health and safety concerns. Items noted below, were limited to only those areas visually accessible to Stateline during the visual property inspection or based on mapping applications researched during the completion of this report.

### **7.1 Possible Asbestos Containing Materials (PACM):**

At the time of the visual property inspection, the subject property was entirely unimproved. No PACM materials were observed at the subject property. Additionally, no PACM fill materials were observed during the visual property inspection.

### **7.2 Mold:**

At the time of the visual property inspection, the subject property was entirely unimproved. Therefore, no mold was observed at the subject property.

### **7.3 Lead-Based Paint:**

At the time of the visual property inspection, the subject property was entirely unimproved. Therefore, no lead-based paint was observed at the subject property.

### **7.4 Radon:**

According to the IEMA Public Radon Dashboard website, the average indoor radon level within the zip code of the subject property is 4.1 pCi/L and the average indoor radon level within McHenry County is 4.2 pCi/L. The national average is 1.3 pCi/L. According to the EPA Map of Illinois Radon Zones, McHenry County is in a Zone 2 area, which is considered a moderate potential for radon with averages between 2 pCi/L and 4 pCi/L. Based on information reviewed, Stateline would consider health risks relating to radon to be minimal. A radon test is beyond the scope of this report.

### **7.5 PCB-Containing Building Materials:**

At the time of the visual property inspection, the subject property was entirely unimproved. Therefore, no PCB-containing building materials were observed at the subject property.

## 7.6 Wetlands:

*Visual Property Inspection:* Stateline personnel did not observe any signs of wetlands and / or wetland vegetation at the subject property during the visual property inspection.

*McHenry County G.I.S. Wetland Inventory Map:* A review of the McHenry County G.I.S. Wetland Inventory Map did not illustrate any wetland areas being present at the subject property.

*U.S. Fish & Wildlife Service Wetland Inventory Map:* A review of the U.S. Fish & Wildlife Service Wetland Inventory Map did not illustrate any wetland areas being present at the subject property.

Copies of the above applicable maps are included in the Appendices of this report.

## **8.0 Findings and Opinions:**

This section outlines findings, which may or may not constitute “Recognized Environmental Conditions.” Stateline bases all findings on the visual site inspection, historical records review, database review, interviews and any other pertinent information obtained during the duration of this ESA. The opinions, conclusions and recommendations in this report are based on the severity and potential environmental (or health) impacts that may be present.

+/- 35 Acres West of S. Crystal Lake Road  
Portion of P.I.N. 14-09-100-001 & 14-08-200-002  
McHenry, Illinois 60050

Stateline Project No. 2025282

### **8.1 Data Gaps:**

Aerial photographs were not available in 5 to 10-year intervals. This represents a Data Gap, however, based on information obtained from other sources during the completion of this ESA, combined with the historical use of this property as unimproved land, this Data Gap does not represent a “Recognized Environmental Condition.”

Stateline did not encounter any additional significant Data Gaps, which would alter the outcome of the Findings, Opinions and Conclusions of this report during the course of this ESA.

### **8.2 Opinions:**

It is the opinion of Adam K. Zakroczymski, III, E.P., President of Stateline Environmental Consulting Services, Inc. that **NO “RECOGNIZED ENVIRONMENTAL CONDITIONS” ARE PRESENT AT THE SUBJECT PROPERTY.** This opinion has been based on information and documentation obtained during the visual site inspection, historical records review, interviews, database review and other readily available sources relating to the subject property. Therefore, no additional environmental investigation is warranted at the present time.

Stateline personnel did not reveal any *De Minimis* Conditions, Business Environmental Risks or Non-Scope Considerations that would require additional investigation during the completion of this Phase I ESA.

## **9.0 Conclusions:**

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of +/- 35 Acres West of S. Crystal Lake Road, Portion of P.I.N. 14-09-100-001 & 14-08-200-002, McHenry (McHenry County), Illinois 60050, the subject property. Any exceptions to, or deletions from this practice are described in Section 2.4 of this report. **This assessment has revealed No Recognized Environmental Conditions, Controlled Recognized Environmental Conditions, Historical Recognized Environmental Conditions or Significant Data Gaps in connection with the property.**

DEFINITION OF "RECOGNIZED ENVIRONMENTAL CONDITIONS:" (1) The presence of *hazardous substances* or *petroleum products* in, on, or at the *subject property* due to a *release* to the *environment*; (2) The likely presence of *hazardous substances* or *petroleum products* in, on or at the *subject property* due to a *release* or likely *release* to the *environment* or; (3) The presence of *hazardous substances* or *petroleum products* in, on or at the *subject property* under conditions that pose a *material threat* of a future *release* to the *environment*.

## **10.0 Additional Services:**

The nature of this scope of work may exceed the referenced standards, however, no additional services to the generally accepted methods and practices have been outlined in this ESA.

## **11.0 References:**

Stateline consulted the following references / sources for completion of this AAI Phase I ESA:

- ASTM E1527-21 Standard Practice
- Environmental Risk Information Service (ERIS)
- McHenry County G.I.S. Website
- McHenry County Assessor's Office
- McHenry County Planning & Development Department
- McHenry County Health Department
- McHenry Township Fire Protection District
- Nunda Township Assessor's Office
- Google Earth™
- Bing™ Maps
- USDA-NRCS (Soil Map)
- U.S. Fish & Wildlife Service (Wetland Maps)
- Illinois Emergency Management Agency (IEMA)
- Illinois State Geological Survey (ISGS)
- Personal Interviews

## 12.0 Signatures of Environmental Professionals:

As requested by Mr. Tej Patel of McHenry Solar Farm LLC, Chicago, Illinois, Stateline Environmental Consulting Services, Inc. (Stateline) performed an All Appropriate Inquiry (AAI) Phase I Environmental Site Assessment (ESA) at:

+/- 35 Acres West of S. Crystal Lake Road  
Portion of P.I.N. # 14-09-100-001 & 14-08-200-002  
McHenry, Illinois 60050

This AAI ESA was performed in accordance with EPA 40 CFR Part 312 and ASTM E1527-21 in order to identify the potential for hazardous substances or petroleum products, which would be considered a "Recognized Environmental Condition." I / we do certify that this All Appropriate Inquiry (AAI) Phase I ESA was performed in accordance with EPA 40 CFR Part 312 and ASTM E1527-21 and generally accepted industry methods.

"I / We declare that to the best of my / our professional knowledge and belief, I / we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312. I / We have the specific qualifications based on education, training and experience to assess a property of the nature, history, and setting of the subject property. I / we have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."



\_\_\_\_\_  
Adam K. Zakroczymski III, E.P.  
President  
Stateline Environmental Consulting Services, Inc.

January 21, 2026  
Date

### **13.0 Qualifications of Environmental Professionals:**

#### ***Adam K. Zakroczymski III, Environmental Professional (EP) – President***

Mr. Zakroczymski (Zak) has 26 years of experience in the environmental consulting field managing projects as a technician, senior environmental specialist and supervisor of environmental site assessments. In the industry, Mr. Zak has performed hundreds of environmental site inspections and been responsible for drawing conclusions regarding potential “Recognized Environmental Conditions” (REC’s), as well as developing a course of action to investigate and remediate contaminated properties. Additionally, Mr. Zak was responsible for training new employees and educating them about the laws and standards governing the industry. Mr. Zak has attended many seminars and independently studied the EPA 40 Part 312, ASTM E1527-13 and ASTM E1527-21 standards. From there, Mr. Zak conducted many training seminars to clients and potential clients regarding changes within the industry, as well as new standards and practices. Mr. Zak has experience in Phase II Subsurface Investigations, UST Removals, Remedial Activities, as well as hours logged in Asbestos Demolition Inspections.

#### **Education:**

- Carmel High School – Mundelein, Illinois
- College of Lake County – Grayslake, Illinois – General undergraduate studies with honors
- Trinity International University – Deerfield, Illinois – General undergraduate studies
- Columbia College – Chicago, Illinois – Graduated with a Bachelor’s of Arts with honors

#### **Additional Training:**

- OSHA 40 Hour Hazardous Material Training
- 8 Hour HAZWOPER Refresher Training
- American Petroleum Institute (API) WorkSafe Safety Key Certified

#### ***Sandi E. Zakroczymski – Vice President, Secretary***

Mrs. Zakroczymski (Zak) has over 12 years of experience in the environmental consulting field managing projects as an environmental technician and relations manager. Mrs. Zak has performed hundreds of onsite inspections and was responsible for composing various environmental site assessment reports. Mrs. Zak is well educated regarding the processes as it relates to various types of Phase I Environmental Site Assessments. Additionally, Mrs. Zak spent over two years as a relations manager in the environmental consulting industry keeping close contact with clients and educating them about new laws, standards and scopes of work.

#### **Education:**

- Carmel High School – Mundelein, Illinois
- College of Lake County – Grayslake, Illinois – General undergraduate studies
- Trinity International University – Deerfield, Illinois – General undergraduate studies

#### **Additional Training:**

- Cawley Chicago Seminar on Property Tax Incentives and Assessments

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***Alexandra Cook – Environmental Geologist***

Ms. Cook has nine (9) years of experience in the environmental consulting field managing projects as an Environmental Technician. In the industry, Ms. Cook has performed numerous Phase I Environmental Site Inspections, as well as completed various Records Search with Environmental Risk Assessment (RSRA) Reports, Transaction Screen Environmental Site Assessment Reports and AAI Phase I ESAs. Ms. Cook has attended many seminars and independently studied the EPA 40 Part 312, ASTM E1527-13 and ASTM E1527-21 standards. Ms. Cook has experience in Phase II Subsurface Investigations, UST Removals, Remedial Activities, as well as hours logged in Asbestos Demolition Inspections.

Education:

- Antioch Community High School – Antioch, Illinois
- University of Wisconsin Eau Claire – Eau Claire, Wisconsin – Graduated with a Bachelor’s of Science

Additional Training:

- MSHA 40 Hour Training
- NELAC Ethics Training

## **14.0 Appendices:**

APPENDIX A – Figure of Subject Property and Adjacent Sites

APPENDIX B – Subject Property Setting Map

APPENDIX C – Photographs of Subject Property

APPENDIX D – Aerial Photography (1939, 1954, 1961, 1967, 1980, 1988, 1999, 2002  
2005, 2009, 2014, 2018, 2022 & 2025)

APPENDIX E – Fire Insurance Maps Research Results – No Maps Available Notification

APPENDIX F – McHenry County G.I.S. Maps (Soil, Topographic & Wetland Maps)

APPENDIX G – USDA-NRCS Soil Survey Map

APPENDIX H – U.S. Fish & Wildlife Service Wetland Inventory Map

APPENDIX I – ISGS Bedrock of Illinois Map & Key

APPENDIX J – IEMA Radon Map

APPENDIX K – McHenry County Assessor's Office Property Information Sheets

APPENDIX L – Nunda Township Assessor's Office Property Information Sheets

APPENDIX M – FOIA Requests:

- McHenry Township Fire Protection District
- McHenry County Planning & Development Department
- McHenry County Health Department

APPENDIX N – FOIA Responses:

- McHenry Township Fire Protection District
- McHenry County Planning & Development Department
- McHenry County Health Department

APPENDIX O – ERIS Database Report



## **Appendix A**

***Figure of Subject Property and Adjacent Sites***

**Figure of Subject Property and Adjacent Sites – Not to Scale**



AAI Phase I Environmental Site Assessment  
 Performed at:  
 +/- 35 Acres West of S. Crystal Lake Road  
 Portions of P.I.N.s 14-09-100-001 & 14-08-200-002  
 McHenry, Illinois 60050

Performed For:  
 Mr. Tej Patel  
 McHenry Solar Farm LLC  
 141 W. Jackson Boulevard, Suite 1692  
 Chicago, Illinois 60604

Project # 2025282  
 Date: January 21, 2026  
 Drafted by: Alexandra Cook



## **Appendix B**

### ***Subject Property Setting Map***

# Subject Property Setting Map



AAI Phase I Environmental Site Assessment Performed At:

+/- 35 Acres West of S. Crystal Lake Road  
Portion of P.I.N.s 14-09-100-001 & 14-08-200-002  
McHenry, Illinois 60050

Stateline Project # 2025282



## **Appendix C**

### ***Photographs of Subject Property***

**Appendix C – Photographs of Subject Property:**



View of Property Facing South from the Access Driveway



View of Property Facing West from the Access Driveway



View of Property Facing East from Near the West-Central Property Boundary of Parcel 001



View of Property Facing South from Near the West-Central Property Boundary of Parcel 001



View of Property Facing West from Near the West-Central Property Boundary of Parcel 001



View of Low-Lying Rock & Dirt Deposit Area

**Appendix C – Photographs of Subject Property:**



View of Low-Lying Dirt & Rock Deposit Area



View of Low-Lying Dirt & Rock Deposit Area



View of Low-Lying Dirt & Rock Deposit Area



View of Low-Lying Dirt & Rock Deposit Area



View of Property Facing West from the West Side of the Low-Lying Area



View of Property Facing East from the Northwest Corner

**Appendix C – Photographs of Subject Property:**



View of Property Facing Southeast from the Northwest Corner



View of Property Facing Northeast from the Southwest Corner



View of Property Facing North from the Southwest Corner



View of Property Facing North / Northeast from the Southwest Corner



View of Property Facing North from the South-Central Property Boundary



View of Property Facing West from the Southeast Corner

**Appendix C – Photographs of Subject Property:**



View of Property Facing Northwest from the Southeast Corner



View of Property Facing North from the Southeast Corner



## **Appendix D**

### **Aerial Photography:**

***1939***

***1954***

***1961***

***1967***

***1980***

***1988***

***1999***

***2002***

***2005***

***2009***

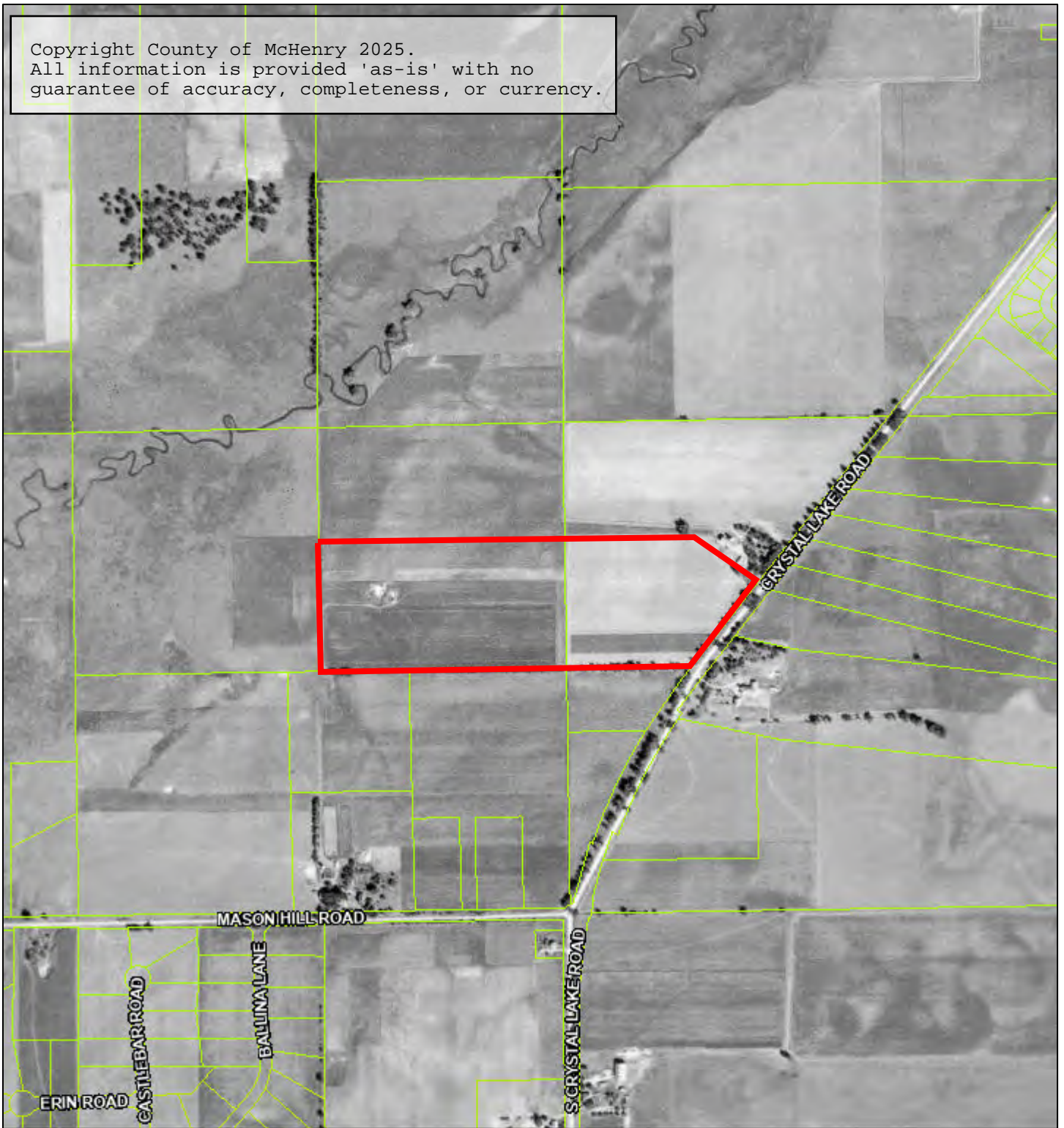
***2014***

***2018***

***2022***

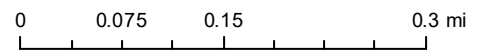
***2025***

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All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.

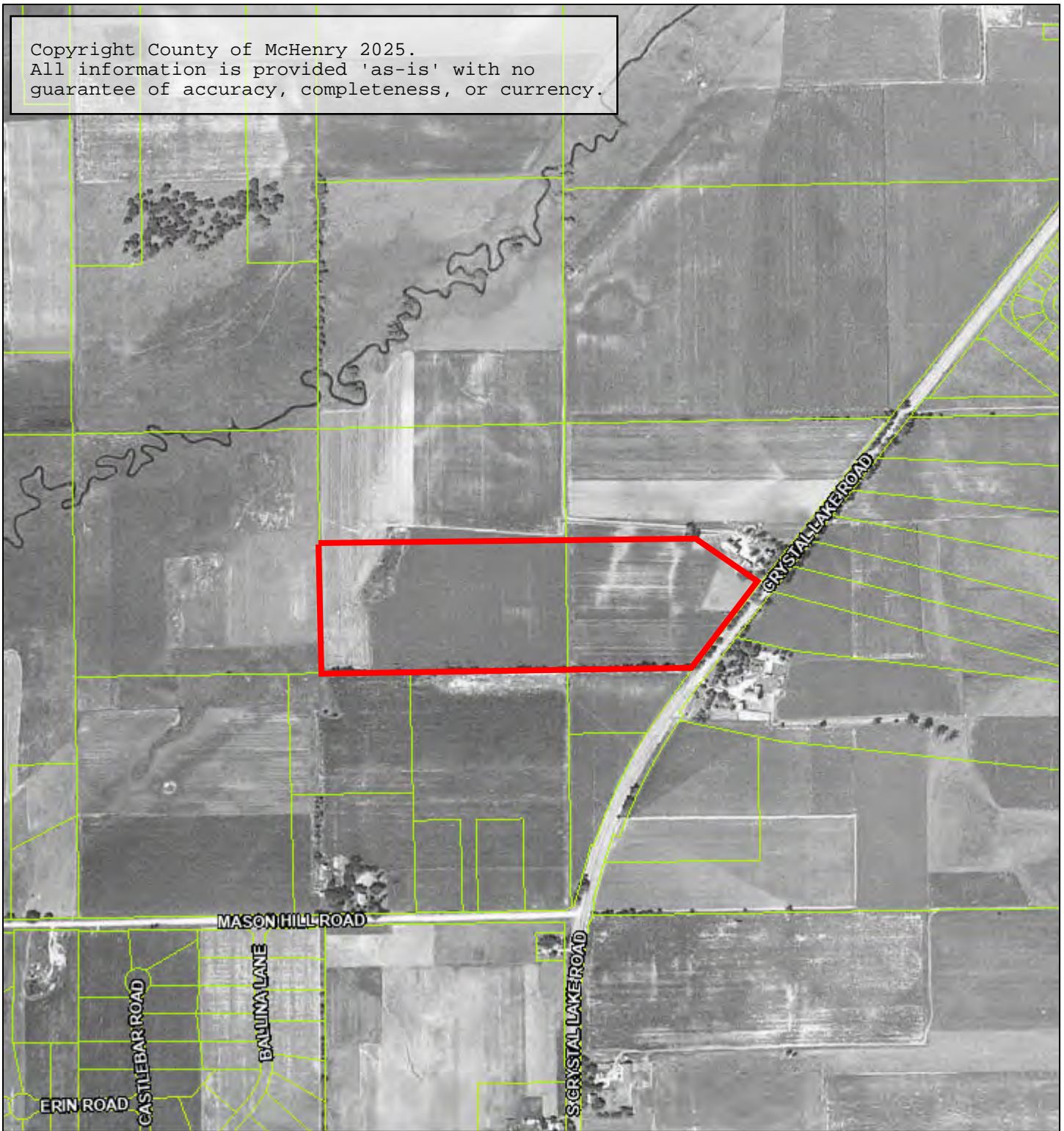


November 10, 2025

1 in = 752 ft

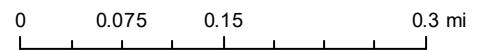


Copyright County of McHenry 2025.  
All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.



November 10, 2025

1 in = 752 ft



# 1961 Aerial Photograph



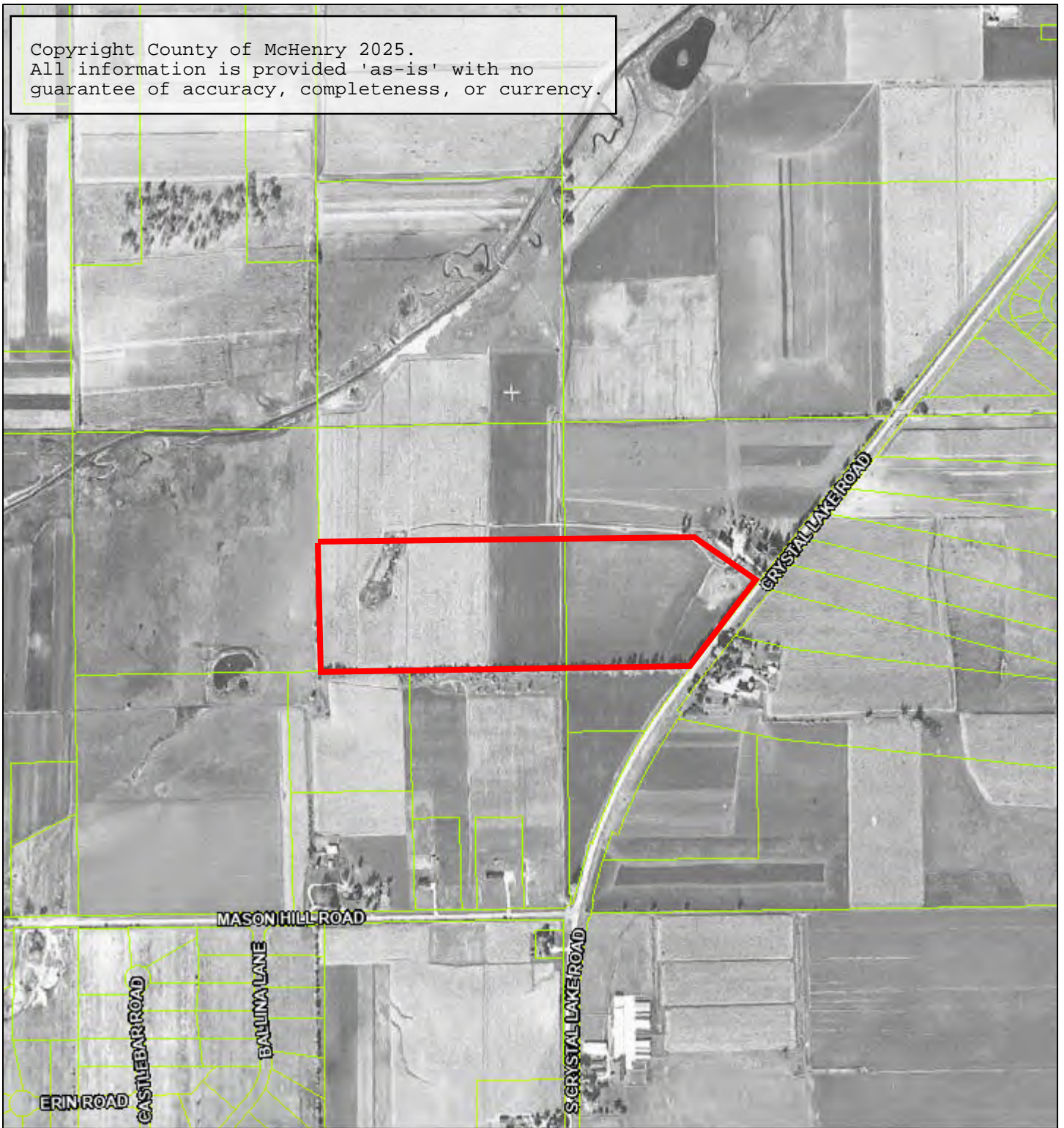
**Source:** ISGS Geospatial Clearinghouse Website

**Note:** Parcel Boundary is Approximate



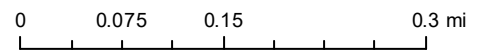
1967

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All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.



November 10, 2025

1 in = 752 ft



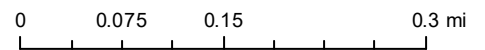
1980

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All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.



November 10, 2025

1 in = 752 ft



# 1988 Aerial Photograph



**Source:** Google Earth

**Note:** Site Boundaries are Approximate



# 2002 Aerial Photograph



**Source:** Google Earth

**Note:** Parcel Boundary is Approximate



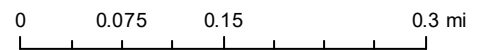
2005

Copyright County of McHenry 2025.  
All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.



November 10, 2025

1 in = 752 ft



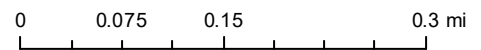
2009

Copyright County of McHenry 2025.  
All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.



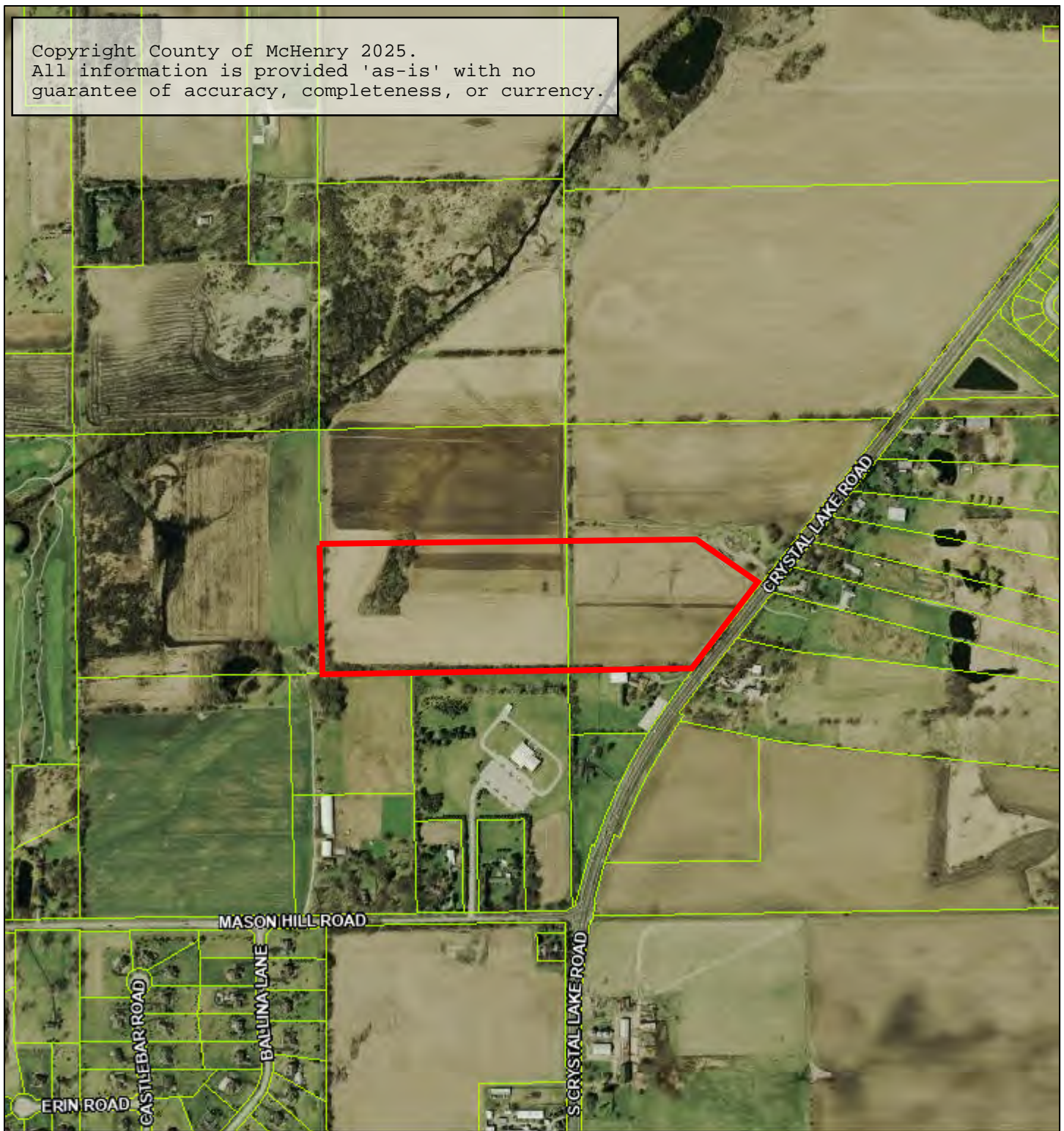
November 10, 2025

1 in = 752 ft



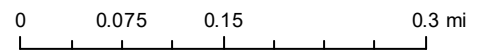
2014

Copyright County of McHenry 2025.  
All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.



November 10, 2025

1 in = 752 ft



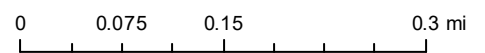
2018

Copyright County of McHenry 2025.  
All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.



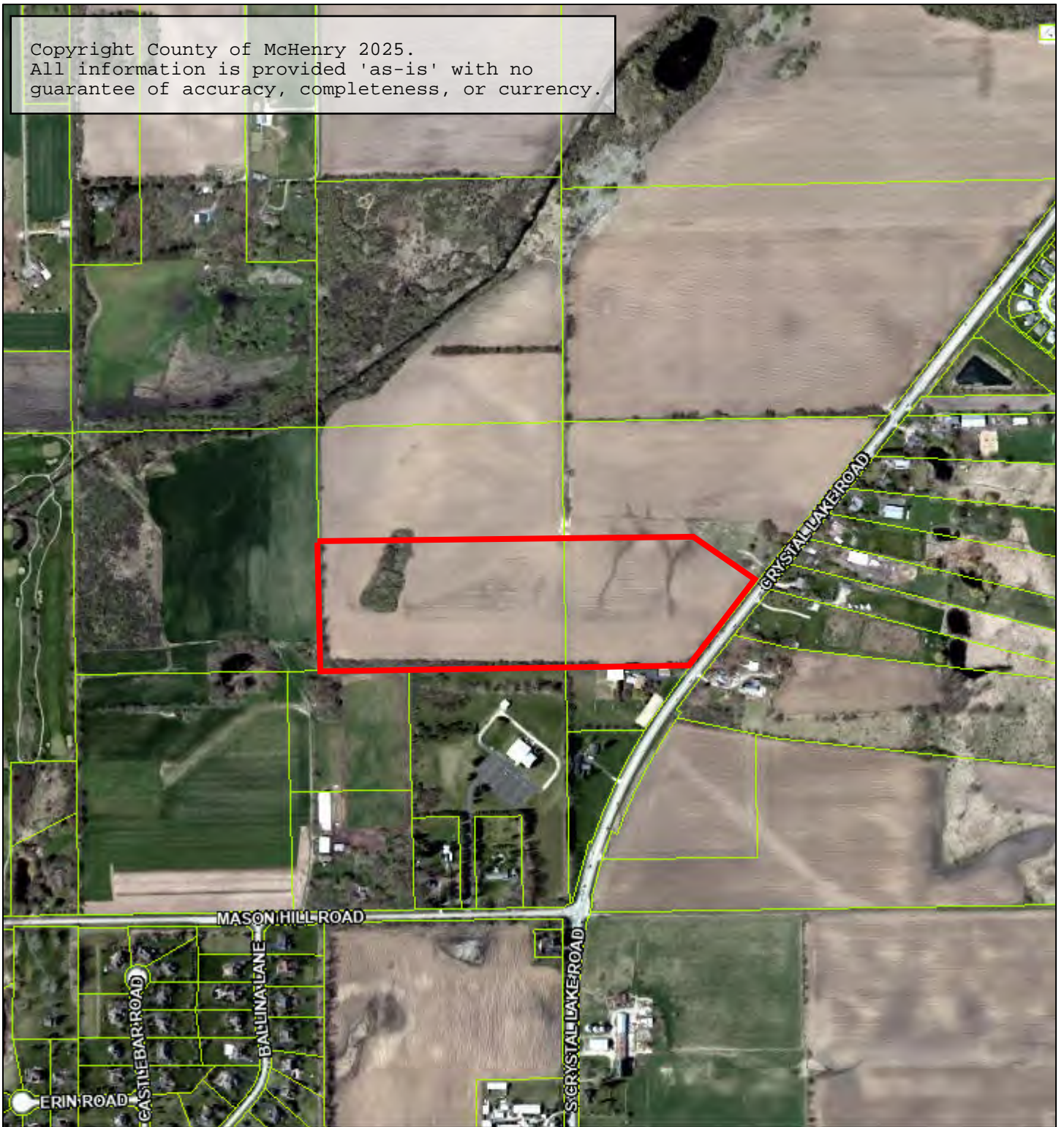
November 10, 2025

1 in = 752 ft



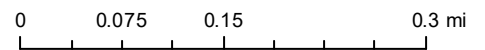
2022

Copyright County of McHenry 2025.  
All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.



November 10, 2025

1 in = 752 ft



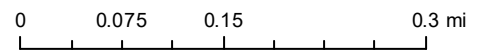
2025

Copyright County of McHenry 2025.  
All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.



November 10, 2025

1 in = 752 ft





## **Appendix E**

### ***Fire Insurance Maps Research Results – No Maps Available Notification***



—  
FIRE  
INSURANCE  
MAPS

**Project Property:** 2025282

+/- 35 Acres West of S. Crystal Lake Road McHenry IL 60050

**Project No:** 2025282

**Requested By:** Stateline Environmental Consulting Services, Inc.

**Order No:** 25110700194

**Date Completed:** November 08, 2025

---

**Please note that no information was found for your site or adjacent properties.**

**Environmental Risk Information Services**

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)



## **Appendix F**

***McHenry County G.I.S. Maps (Soil, Topographic & Wetland Maps)***



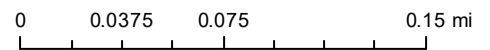
# McHenry Topographic Map

Copyright County of McHenry 2026.  
All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.



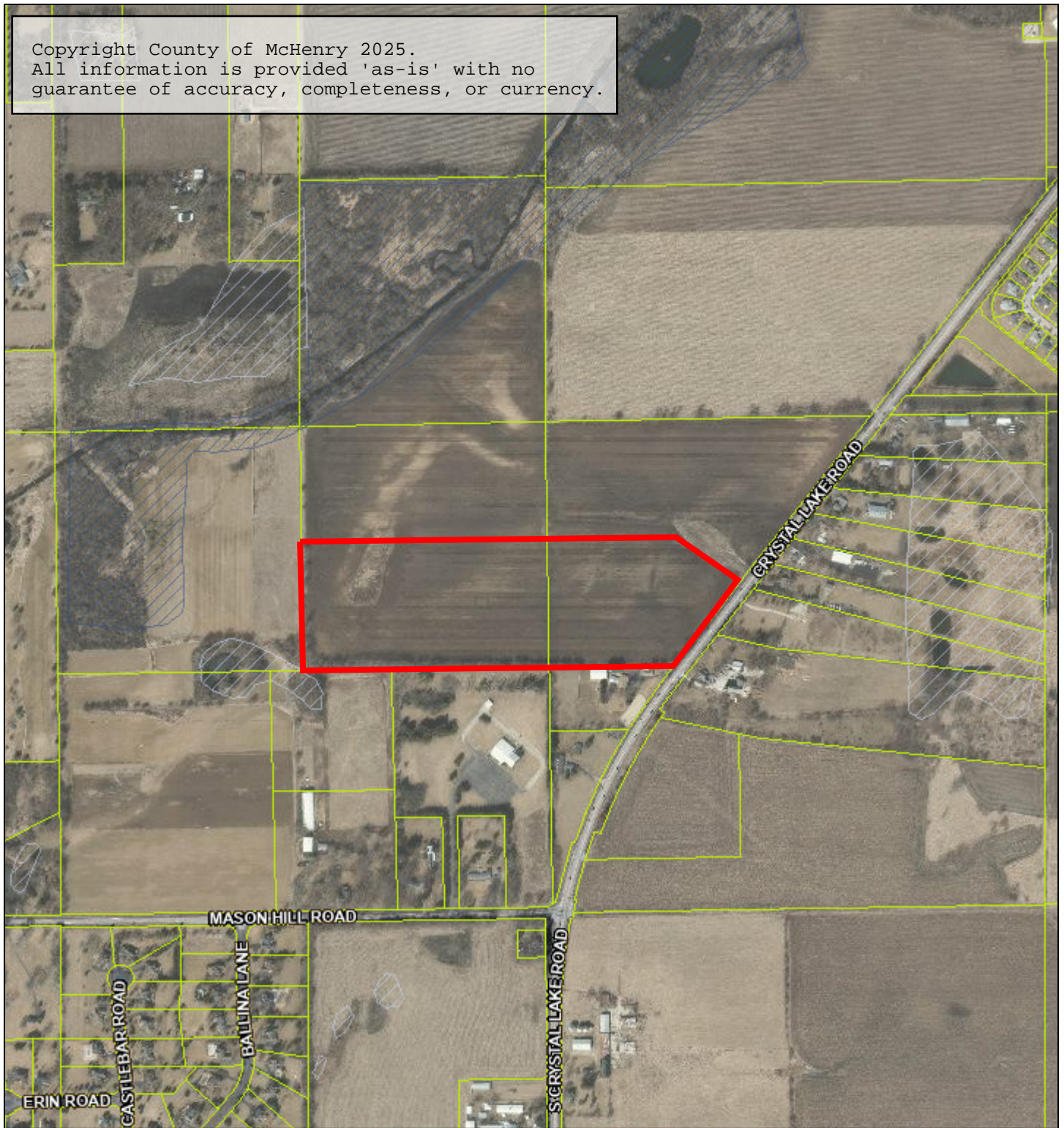
January 20, 2026

1 in = 376 ft



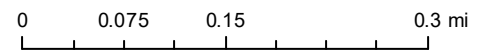
# McHenry County Wetland Inventory Map

Copyright County of McHenry 2025.  
All information is provided 'as-is' with no  
guarantee of accuracy, completeness, or currency.



November 10, 2025

1 in = 752 ft

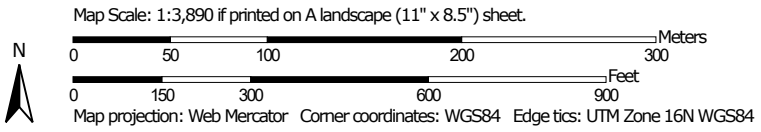
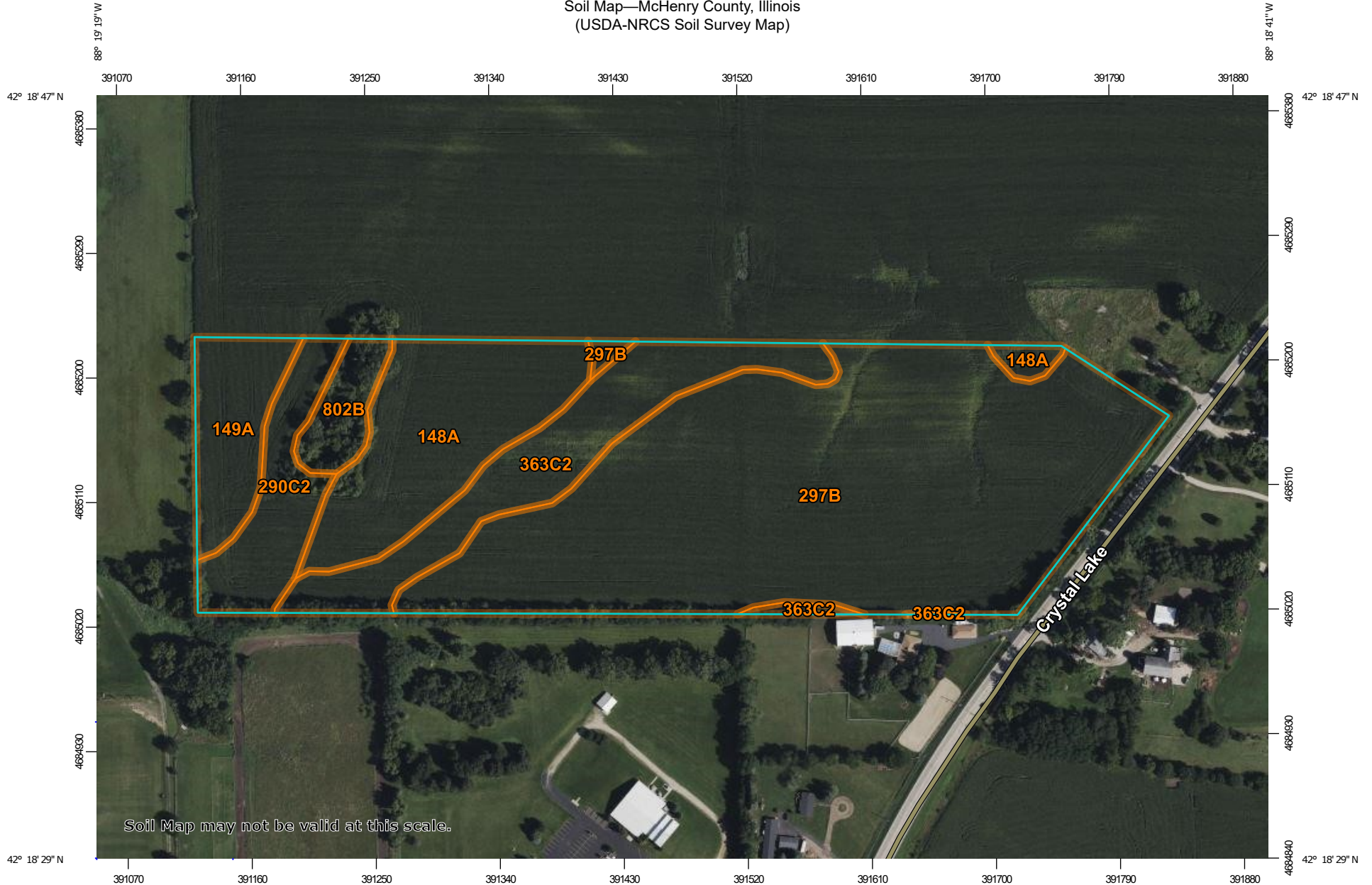




## **Appendix G**


***USDA-NRCS Soil Survey Map***

Soil Map—McHenry County, Illinois  
(USDA-NRCS Soil Survey Map)





## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: McHenry County, Illinois

Survey Area Data: Version 21, Aug 31, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 19, 2022—Sep 30, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
148A	Proctor silt loam, 0 to 2 percent slopes	4.7	14.8%
149A	Brenton silt loam, 0 to 2 percent slopes	2.0	6.1%
290C2	Warsaw loam, 4 to 6 percent slopes, eroded	2.2	6.9%
297B	Ringwood silt loam, 2 to 4 percent slopes	18.1	56.5%
363C2	Griswold loam, 4 to 6 percent slopes, eroded	4.1	12.7%
802B	Orthents, loamy, undulating	1.0	3.0%
<b>Totals for Area of Interest</b>		<b>32.0</b>	<b>100.0%</b>



## **Appendix H**

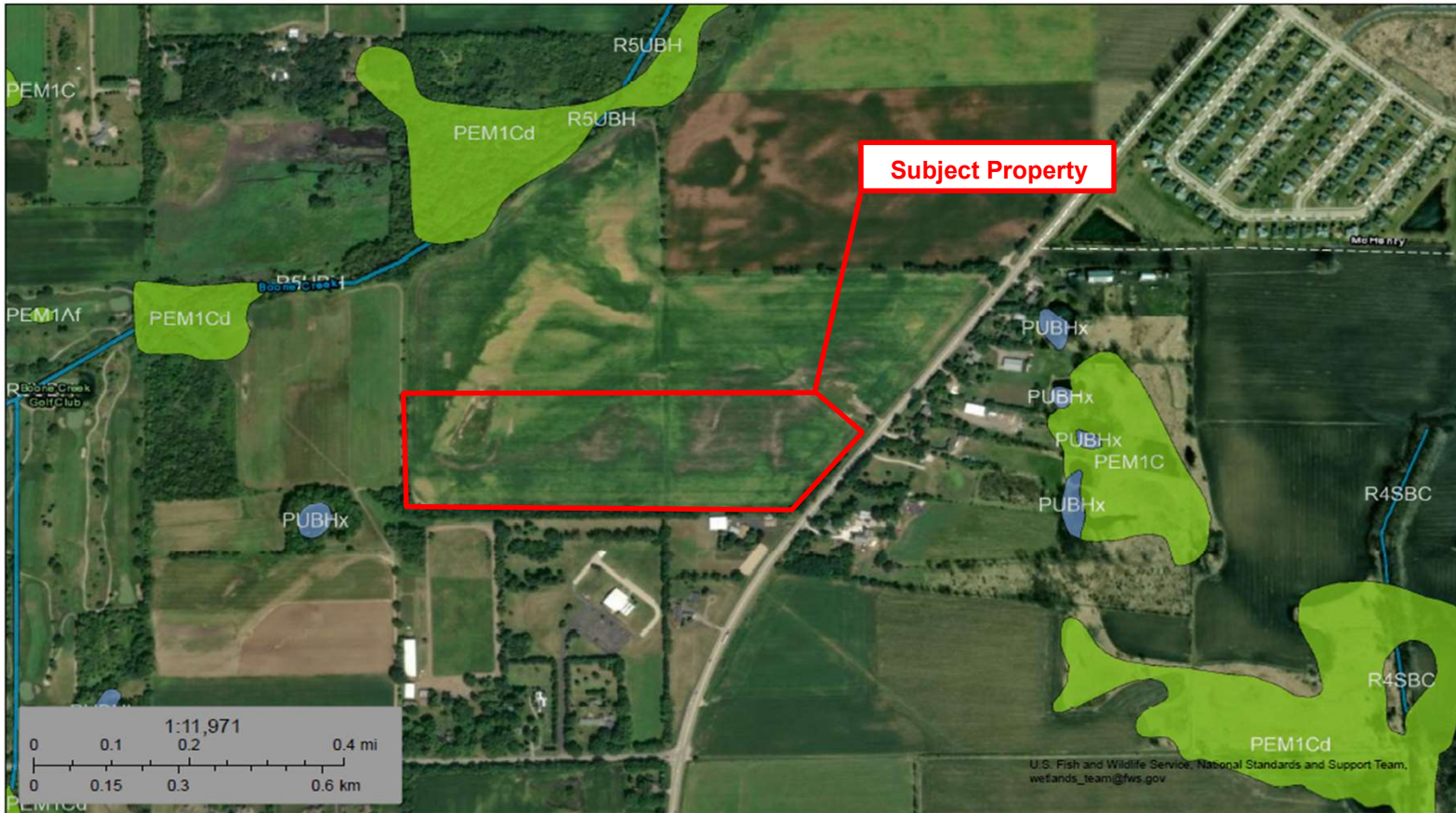
***U.S. Fish & Wildlife Service Wetland Inventory Map***

# U.S. Fish & Wildlife Service Wetland Inventory Map



U.S. Fish and Wildlife Service  
National Wetlands Inventory

USFW Wetland Inventory Map



November 19, 2025

**Wetlands**

- |                                |                                   |          |
|--------------------------------|-----------------------------------|----------|
| Estuarine and Marine Deepwater | Freshwater Emergent Wetland       | Lake     |
| Estuarine and Marine Wetland   | Freshwater Forested/Shrub Wetland | Other    |
|                                | Freshwater Pond                   | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

**Legend**

**North**

AAI Phase I Environmental Site Assessment  
 Performed at:  
 +/- 35 Acres West of S. Crystal Lake Road,  
 Portion of P.I.N.s 14-09-100-001 & 14-08-200-002,  
 McHenry, Illinois 60050

Performed For:  
 Mr. Tej Patel  
 McHenry Solar Farm LLC  
 141 W. Jackson Boulevard, Suite 1692  
 Chicago, Illinois 60604

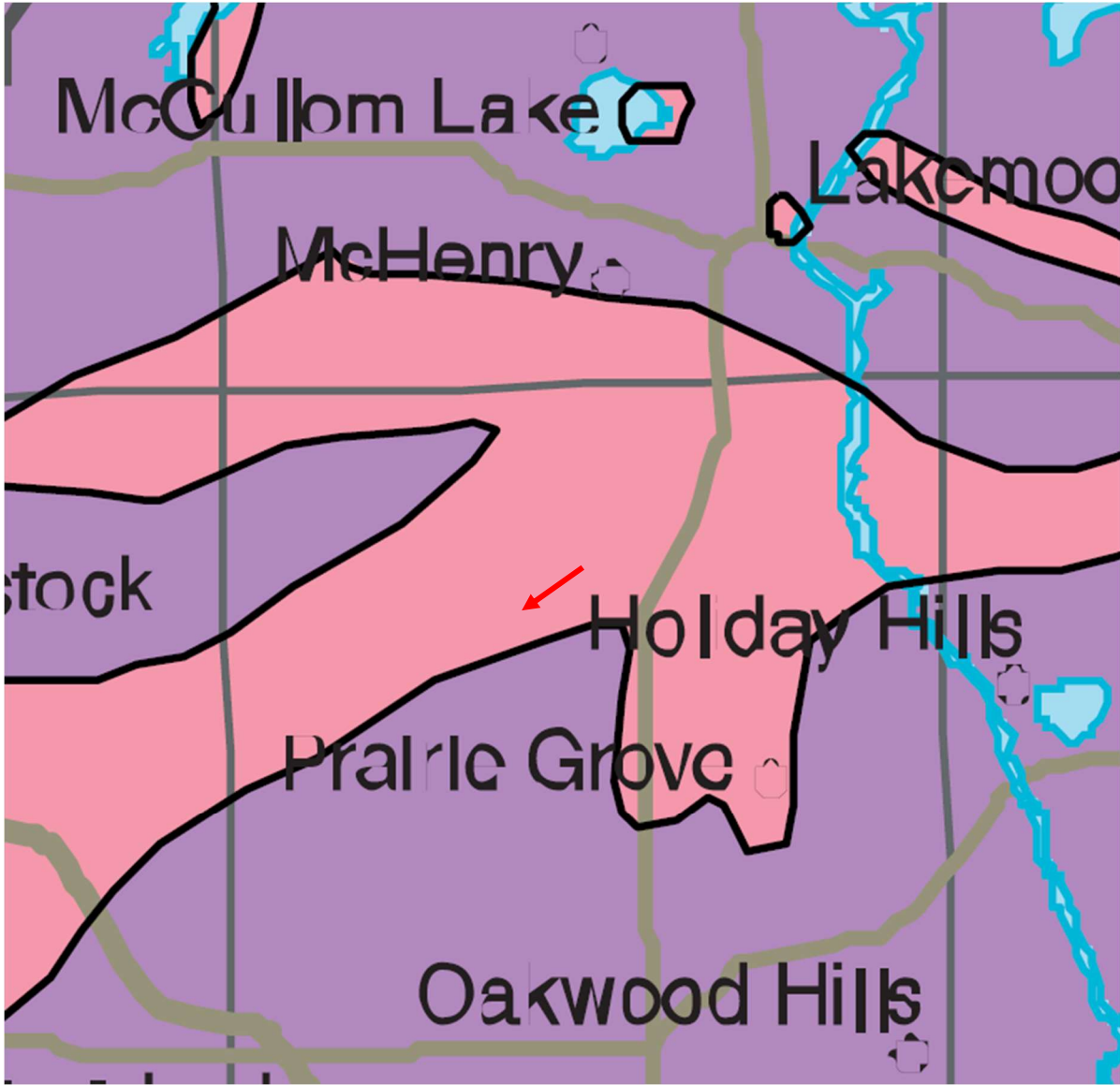
Project # 2025282  
 Date: November 25, 2025  
 Drafted by: Alexandra Cook



## **Appendix I**

### ***ISGS Bedrock of Illinois Map & Key***

# ISGS Bedrock of Illinois Map



**Source:** ISGS Website

**Note:** Site Location is Approximate



# ISGS Bedrock of Illinois Map Key



Om

## **Ordovician**

Maquoketa Formation or Group, includes Cape Limestone, Cape La Croix Shale, Thebes Sandstone, Orchard Creek Shale, Girardeau Limestone, and Leemon Formation in southern Illinois; includes Scales Shale, Fort Atkinson Limestone, Brainard Shale, and Neda Formation in northern Illinois; includes Noix Oolite in western Illinois

**Source:** ISGS Website

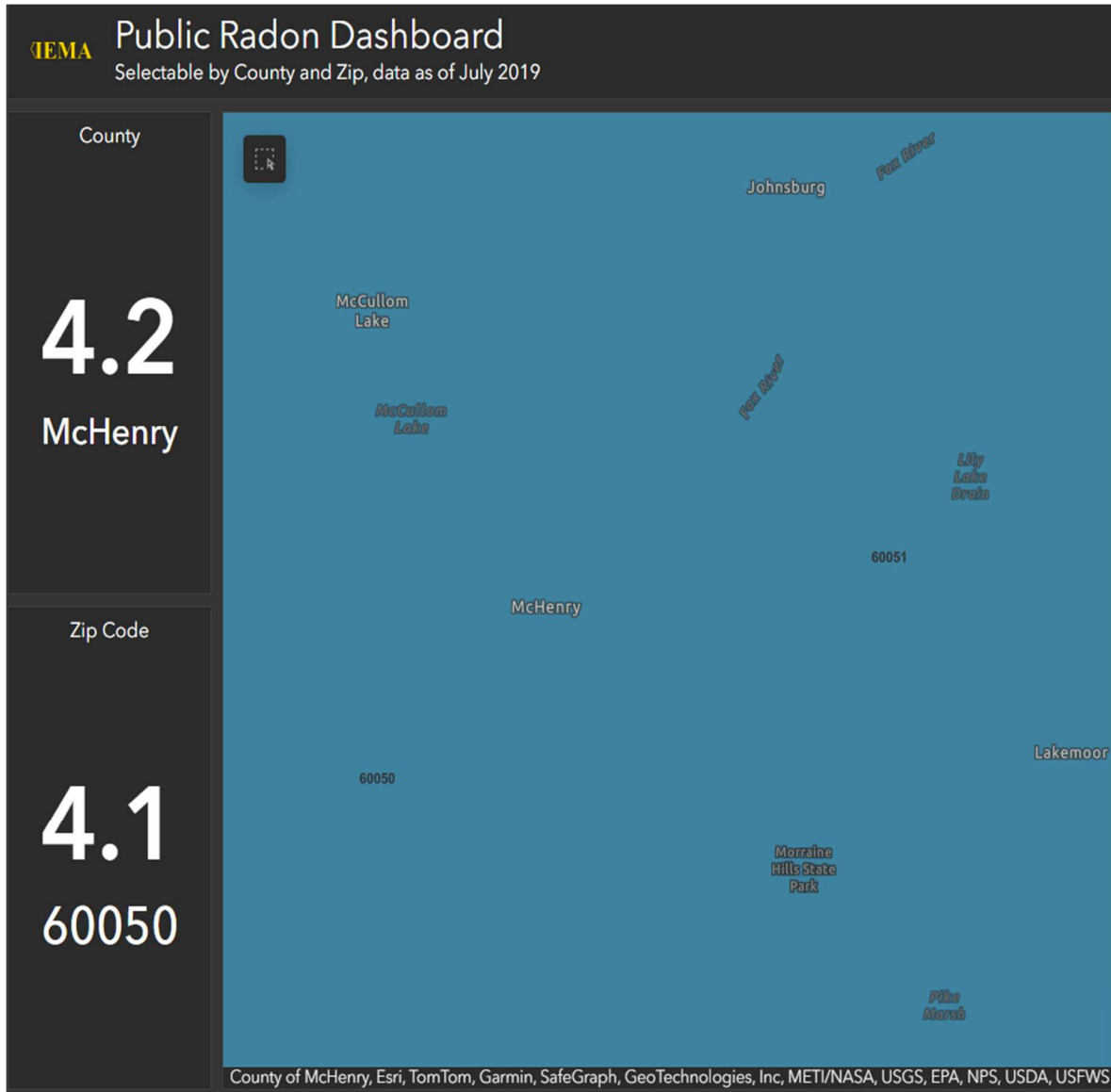




## **Appendix J**

### ***IEMA Radon Map***

# IEMA Radon Map



Source: IEMA Public Radon Dashboard Website





## **Appendix K**

***McHenry County Assessor's Office Property Information Sheets***



# McHENRY COUNTY

## ILLINOIS

### INFORMATION FOR 2024 PROPERTY TAXES PAYABLE IN 2025

Welcome McHenry County Taxpayer,

As you know, this is a great tool to obtain a duplicate tax bill and obtain other useful information about your property taxes, as well as to make payments. To access your property tax bill simply search by your PIN/ Parcel Number or Name or Address. Also, keep in mind that you will receive your property tax bill via mail in Mid-May. The mailed bill provides the same taxation data, along with more explanation and information.

Property Information		
<b>Parcel Number</b> 14-09-100-001	<b>Site Address</b> 1207 S CRYSTAL LAKE RD MCHENRY, IL 60050	<b>Owner Name &amp; Address</b> WOLFF, MICHAEL J LIV TR 321 NEVILLE DR GRAYSLAKE, IL, 60030
<b>Tax Year</b> 2024 (Payable 2025) ▼		
<b>Sale Status</b> None		
<b>Property Class</b> 0021 - Farmland	<b>Tax Code</b> 14002 -	<b>Tax Status</b> Taxable
<b>Net Taxable Value</b> 19,245	<b>Tax Rate</b> 7.955868	<b>Total Tax</b> \$1,531.12
<b>Township</b> NUNDA	<b>Acres</b> 39.0000	<b>Mailing Address</b> WOLFF, MICHAEL J LIV TR 321 NEVILLE DR GRAYSLAKE, IL, 60030
<b>Legal Description</b> DOC 2021R0049210 N1/2 NW1/4 LYING WLY CEN HWY MEMO: STRIP OF CRYSTAL LAKE ROAD DEDICATED PER DOC 148825		

[Pay Taxes](#)

[Tax Bill](#)

Assessments							
Level	Homesite	Dwelling	Farm Land	Farm Building	Mineral	Total	Partial Building
DOR Equalized	0	0	19,245	0	0	19,245	No
Department of Revenue	0	0	19,245	0	0	19,245	No
Board of Review Equalized	0	0	19,245	0	0	19,245	No
Board of Review	0	0	19,245	0	0	19,245	No
S/A Equalized	0	0	19,245	0	0	19,245	No
Supervisor of Assessments	0	0	19,245	0	0	19,245	No
Township Assessor	0	0	17,665	0	0	17,665	No
Prior Year Equalized	0	0	17,665	0	0	17,665	No

There are 8 levels of assessment in an assessment year. The assessed value is not final for the year until all levels of assessment are complete. The assessment year is complete when the DOR Equalized line appears at the top of the list shown above.

Billing									
Installment	Date Due	Tax Billed	Penalty Billed	Cost Billed	Drainage Billed	Total Billed	Amount Paid	Date Paid	Total Unpaid
1	06/10/2025	\$765.56	\$0.00	\$0.00	\$0.00	\$765.56	\$765.56	6/10/2025	\$0.00
2	09/10/2025	\$765.56	\$0.00	\$0.00	\$0.00	\$765.56	\$765.56	6/10/2025	\$0.00
<b>Total</b>		<b>\$1,531.12</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,531.12</b>	<b>\$1,531.12</b>		<b>\$0.00</b>

No Drainage / Special District Information

No Exemptions

Farmland		
Land Type	Acres	EAV
CROPLAND	32.9600	18,803
OTHER FARMLAND	4.7700	442
RIGHT OF WAY	1.2700	0
<b>Totals</b>	<b>39.0000</b>	<b>19,245</b>

Toggle Farmland Details

No Forfeiture Information

No Genealogy Information

Owner Names		
Name	Tax Bill	Address
MICHAEL J LIV TR WOLFF	Y	321 NEVILLE DR GRAYSLAKE, IL, 60030

No Redemptions

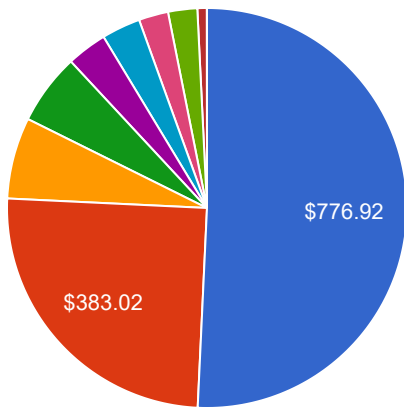
Sales History								
Year	Document #	Sale Type	Sale Date	Sold By	Sold To	Gross Price	Personal Property	Net Price
2021	2021R0049210	Farm Parcel	6/22/2021	OF THE JOHN G SCHULZ AND KATHRYN D. SCHULZ REVOCAB JOHN G. SCHULZ AND KATHRYN D. SCHULZ, CO TRUSTEES JOHN E. DALY RUST DATED FEBRUARY 12, 1996 DENNIS P. DALY, AS TRUSTEE OF THE DENNIS P. DALY T MARY M. GUSTAFSON	F LIVING TRUST DATED MAY 15, 2000 MICHAEL J WOLFF, AS TRUSTEE OF THE MICHAEL J. WOLF	\$870,000.00	\$0.00	\$870,000.00

Payment History			
Tax Year	Total Billed	Total Paid	Amount Unpaid
<a href="#">2024</a>	\$1,531.12	\$1,531.12	\$0.00
<a href="#">2023</a>	\$1,534.94	\$1,534.94	\$0.00
<a href="#">2022</a>	\$1,448.00	\$1,448.00	\$0.00
<a href="#">2021</a>	\$1,367.46	\$1,367.46	\$0.00
<a href="#">2020</a>	\$1,289.46	\$1,289.46	\$0.00

[Show 26 More \(26\)](#)

## Taxing Bodies

District	Tax Rate	Extension
SCHOOL DIST 15	4.036988	\$776.92
SCHOOL DIST 156	1.990230	\$383.02
MCHENRY COUNTY	0.523087	\$100.67
MCHENRY FIRE DIST	0.457204	\$87.99
COLLEGE DISTRICT 528 MCC	0.259651	\$49.97
MCHENRY LIBRARY	0.249819	\$48.08
NUNDA TWP RD & BR	0.189780	\$36.52
MCHENRY CO CONSV	0.187611	\$36.11
NUNDA TOWNSHIP	0.060097	\$11.57
NUNDA TWP CEMETERY	0.001401	\$0.27
<b>TOTAL</b>	<b>7.955868</b>	<b>\$1,531.12</b>



- SCHOOL DIST 15
- SCHOOL DIST 156
- MCHENRY COUNTY
- MCHENRY FIRE DIST
- COLLEGE DISTRICT 528 MCC
- MCHENRY LIBRARY
- NUNDA TWP RD & BR
- MCHENRY CO CONSV
- NUNDA TOWNSHIP
- Other

## Permits

For permit information and documents visit the [SmartGov Permit Portal](#).



# McHENRY COUNTY

## ILLINOIS

### INFORMATION FOR 2024 PROPERTY TAXES PAYABLE IN 2025

Welcome McHenry County Taxpayer,

As you know, this is a great tool to obtain a duplicate tax bill and obtain other useful information about your property taxes, as well as to make payments. To access your property tax bill simply search by your PIN/ Parcel Number or Name or Address. Also, keep in mind that you will receive your property tax bill via mail in Mid-May. The mailed bill provides the same taxation data, along with more explanation and information.

Property Information		
<b>Parcel Number</b> 14-08-200-002	<b>Site Address</b> NA IL	<b>Owner Name &amp; Address</b> WOLFF, MICHAEL J LIV TR 321 NEVILLE DR GRAYSLAKE, IL, 60030
<b>Tax Year</b> 2024 (Payable 2025) ▼		
<b>Sale Status</b> None		
<b>Property Class</b> 0021 - Farmland	<b>Tax Code</b> 14002 -	<b>Tax Status</b> Taxable
<b>Net Taxable Value</b> 20,951	<b>Tax Rate</b> 7.955868	<b>Total Tax</b> \$1,666.84
<b>Township</b> NUNDA	<b>Acres</b> 40.0000	<b>Mailing Address</b> WOLFF, MICHAEL J LIV TR 321 NEVILLE DR GRAYSLAKE, IL, 60030
<b>Legal Description</b> DOC 2021R0049210 NE1/4 NE1/4		

[Pay Taxes](#)[Tax Bill](#)

Assessments							
Level	Homesite	Dwelling	Farm Land	Farm Building	Mineral	Total	Partial Building
DOR Equalized	0	0	20,951	0	0	20,951	No
Department of Revenue	0	0	20,951	0	0	20,951	No
Board of Review Equalized	0	0	20,951	0	0	20,951	No
Board of Review	0	0	20,951	0	0	20,951	No
S/A Equalized	0	0	20,951	0	0	20,951	No
Supervisor of Assessments	0	0	20,951	0	0	20,951	No
Township Assessor	0	0	19,260	0	0	19,260	No
Prior Year Equalized	0	0	19,260	0	0	19,260	No

There are 8 levels of assessment in an assessment year. The assessed value is not final for the year until all levels of assessment are complete. The assessment year is complete when the DOR Equalized line appears at the top of the list shown above.

Billing									
Installment	Date Due	Tax Billed	Penalty Billed	Cost Billed	Drainage Billed	Total Billed	Amount Paid	Date Paid	Total Unpaid
1	06/10/2025	\$833.42	\$0.00	\$0.00	\$0.00	\$833.42	\$833.42	6/10/2025	\$0.00
2	09/10/2025	\$833.42	\$0.00	\$0.00	\$0.00	\$833.42	\$833.42	6/10/2025	\$0.00
<b>Total</b>		<b>\$1,666.84</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,666.84</b>	<b>\$1,666.84</b>		<b>\$0.00</b>

No Drainage / Special District Information

No Exemptions

Farmland		
Land Type	Acres	EAV
CROPLAND	35.2700	20,544
OTHER FARMLAND	4.7300	407
<b>Totals</b>	<b>40.0000</b>	<b>20,951</b>

Toggle Farmland Details ∨

No Forfeiture Information

No Genealogy Information

Owner Names		
Name	Tax Bill	Address
MICHAEL J LIV TR WOLFF	Y	321 NEVILLE DR GRAYSLAKE, IL, 60030

No Redemptions

### Sales History

Year	Document #	Sale Type	Sale Date	Sold By	Sold To	Gross Price	Personal Property	Net Price
2021	2021R0049210	Farm Parcel	6/22/2021	OF THE JOHN G SCHULZ AND KATHRYN D. SCHULZ REVOCAB JOHN G. SCHULZ AND KATHRYN D. SCHULZ, CO TRUSTEES JOHN E. DALY RUST DATED FEBRUARY 12, 1996 DENNIS P. DALY, AS TRUSTEE OF THE DENNIS P. DALY T MARY M. GUSTAFSON	F LIVING TRUST DATED MAY 15, 2000 MICHAEL J WOLFF, AS TRUSTEE OF THE MICHAEL J. WOLF	\$870,000.00	\$0.00	\$870,000.00

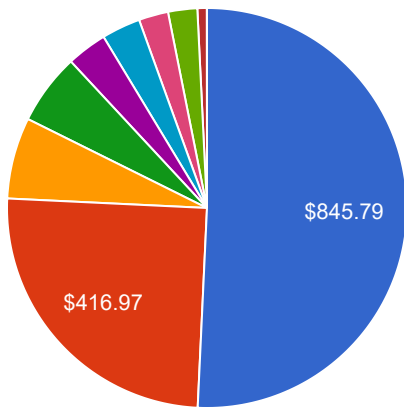
### Payment History

Tax Year	Total Billed	Total Paid	Amount Unpaid
<a href="#">2024</a>	\$1,666.84	\$1,666.84	\$0.00
<a href="#">2023</a>	\$1,673.54	\$1,673.54	\$0.00
<a href="#">2022</a>	\$1,581.58	\$1,581.58	\$0.00
<a href="#">2021</a>	\$1,496.70	\$1,496.70	\$0.00
<a href="#">2020</a>	\$1,413.88	\$1,413.88	\$0.00

Show 26 More (26)

## Taxing Bodies

District	Tax Rate	Extension
SCHOOL DIST 15	4.036988	\$845.79
SCHOOL DIST 156	1.990230	\$416.97
MCHENRY COUNTY	0.523087	\$109.60
MCHENRY FIRE DIST	0.457204	\$95.79
COLLEGE DISTRICT 528 MCC	0.259651	\$54.40
MCHENRY LIBRARY	0.249819	\$52.34
NUNDA TWP RD & BR	0.189780	\$39.76
MCHENRY CO CONSV	0.187611	\$39.31
NUNDA TOWNSHIP	0.060097	\$12.59
NUNDA TWP CEMETERY	0.001401	\$0.29
<b>TOTAL</b>	<b>7.955868</b>	<b>\$1,666.84</b>



- SCHOOL DIST 15
- SCHOOL DIST 156
- MCHENRY COUNTY
- MCHENRY FIRE DIST
- COLLEGE DISTRICT 528 MCC
- MCHENRY LIBRARY
- NUNDA TWP RD & BR
- MCHENRY CO CONSV
- NUNDA TOWNSHIP
- Other

## Permits

For permit information and documents visit the [SmartGov Permit Portal](#).



## **Appendix L**

***Nunda Township Assessor's Office Property Information Sheets***

# Property Record Card (Web Edition)

Parcel #: 14-09-100-001

## Property Information

**Address:** 1207 CRYSTAL LAKE ROAD  
**City:** MCHENRY, IL 60050  
**Subdivision:** None

## Owner Information

**Name:** WOLFF MICHAEL J LIVING TRUST  
**Address:** 321 NEVILLE DR  
**City:** GRAYSLAKE, IL 60030



## Legal Description

**Legal Description:** NONE ; W OF HWY N1/2 NW1/4; SEC 09 TWP44N RANGE 8 E; Also owns 14-05-400-003 & 14-08-200-002

**Lot Acres:** 39.00

**Property Class:** 0021 Farm Land without Buildings

**No Building Information Available**

## Sales Information

Sale Date	Amount	Doc #	Deed Type
06/22/2021	\$870,000	2021R0049210	Warranty Deed

## Assessment Information

Year	Type	U/Land	I/Land	O/Bldgs	Bldgs	Total
2025	Normal	20,989	0	0	0	20,989
2024	Normal	19,245	0	0	0	19,245

Our property information database is continually being updated. We cannot guarantee the accuracy or completeness of the information presented above.

# Property Record Card (Web Edition)

Parcel #: 14-08-200-002

## Property Information

**Address:**

**City:** MCHENRY, IL 60050

**Subdivision:** None

## Owner Information

**Name:** WOLFF MICHAEL J LIVING TRUST

**Address:** 321 NEVILLE DR

**City:** GRAYSLAKE, IL 60030



## Legal Description

**Legal Description:** NONE ; NE1/4 NE1/4; SEC 08 TWP44N RANGE 8 E; Also owns 14-05-400-003 & 14-09-100-001

**Lot Acres:** 40.00

**Property Class:** 0021 Farm Land without Buildings

**No Building Information Available**

## Sales Information

Sale Date	Amount	Doc #	Deed Type
06/22/2021	\$870,000	2021R0049210	Warranty Deed

## Assessment Information

Year	Type	U/Land	I/Land	O/Bldgs	Bldgs	Total
2025	Normal	22,811	0	0	0	22,811
2024	Normal	20,951	0	0	0	20,951

Our property information database is continually being updated. We cannot guarantee the accuracy or completeness of the information presented above.



## **Appendix M**

### **FOIA Requests:**

- McHenry Township Fire Protection District***
- McHenry County Planning & Development Department***
- McHenry County Health Department***

# McHenry Township FIRE PROTECTION DISTRICT

*Search*

---

## Freedom of Information Act (FOIA) Requests

### McHenry Township Fire Protection District

3610 W Elm Street

McHenry, IL 60050

**Phone:** (815) 385-0075

**Email:** [FOIA@fire.mtffd.org](mailto:FOIA@fire.mtffd.org)



---

## INSTRUCTIONS

To request records, complete this form and submit to McHenry Township Fire Protection District.

If you prefer to submit a Printable Request, please download the file in the supporting documents section.

Requests made for commercial purposes will be disclosed within 21 days, and within five business days for all other requests, unless the applicable response period is extended as provided by law or the request is denied.

The requester may seek review of a denial by the Public Access Counselor of the Office of the the Illinois Attorney General. Judicial review is available under Section 11 of the Illinois Freedom of Information Act, 51LCS 140/1 et seq.

Requested items will be delivered electronically unless a different method is requested (copy or certification fees may apply).

**Please do not use this form to solicit products or services. Thank you.**

## Supporting Documents



### Printable FOIA Request Form

240.67 KB

Requester Name

Alexandra Cook

Organization or Business Name

Address P.O. Box 495

City, State ZIP Antioch

Daytime Phone Number

8473664828

Email Address

allie@statelineenvironmental.com

Is this request for records for Commercial Purposes?

No



"Commercial purpose" means the use of any part of a public record or records, or information derived from public records, in any form for sale, resale, or solicitation or advertisement for sales or services.

Description of Records Requested

Please be specific, include approximate date range, record type, etc.

Any records relating to underground storage tanks, hazardous materials storage, as well as any historical violations for +/- 35 acres West of S. Crystal Lake Rd., McHenry, Illinois 60050 (PIN 14-09-100-001 & 14-08-200-002).

## File Upload

If you have a file that supports your request, feel free to upload it here.

No file chosen

One file only.

5 MB limit.

Allowed types: gif jpg jpeg png pdf doc doc xls xlsx.

This site is protected by reCAPTCHA and the Google [Privacy Policy](#) and [Terms of Service](#) apply.

## About Us

### Contact Information

---



#### Phone Number

(815) 385-0075

#### Address

McHenry Township Fire Protection District  
3610 W Elm Street  
McHenry, IL 60050

[Staff Login](#) [Accessibility](#)

3610 W. Elm St. | McHenry, IL 60050 | Ph: (815) 385-0075 | Fax: 815-385-9419

Government Websites by CivicPlus®



---

**\*NEW SUBMISSION\* Planning & Development FOIA**

---

McHenry County, IL Website <webmaster@mchenrycountyil.gov>

Mon, Nov 10, 2025 at 1:44 PM

To: allie@statelineenvironmental.com

**Planning & Development FOIA**

**Submission #:** 4448487  
**IP Address:** 73.22.220.117  
**Submission Date:** 11/10/2025 1:44 PM  
**Survey Time:** 3 minutes, 37 seconds

You have a new online form submission.  
Note: all answers displaying "\*\*\*\*\*" are marked as sensitive and can be viewed after you login.

**Full Name:**

Alexandra Cook

**Mailing Address:**

P.O. Box 495  
Antioch, Illinois 60002-1423

**Email Address:**

[allie@statelineenvironmental.com](mailto:allie@statelineenvironmental.com)

**Phone Number (will be used if clarification of this request is needed):**

(847) 366-4828

**Desired Response Type:**

Email

**Records Requested:**

Any permits for construction, alterations or renovations, as well as certificates of occupancy and historical violations for +/- 35 acres West of South [Crystal Lake Road, McHenry, Illinois 60050](#) (PIN 14-09-100-001 & 14-08-200-002).

**Read-Only Content**

**Is this request for a commercial purpose?**

No

**Read-Only Content**

Thank you,  
McHenry County, IL



---

**\*NEW SUBMISSION\* Health FOIA**

1 message

---

**McHenry County, IL Website** <webmaster@mchenrycountyil.gov>  
To: allie@statelineenvironmental.com

Mon, Nov 10, 2025 at 1:47 PM

**Health FOIA**

**Submission #:** 4448505  
**IP Address:** 73.22.220.117  
**Submission Date:** 11/10/2025 1:47 PM  
**Survey Time:** 2 minutes, 10 seconds

You have a new online form submission.  
Note: all answers displaying "\*\*\*\*\*" are marked as sensitive and can be viewed after you login.

**Full Name:**

Alexandra Cook

**Mailing Address:**

P.O. Box 495  
Antioch, Illinois 60002

**Email Address:**

[allie@statelineenvironmental.com](mailto:allie@statelineenvironmental.com)

**Phone Number (will be used if clarification of this request is needed):**

(847) 366-4828

**Desired Response Type:**

Email

**To which division of the Department of Health would you like to send your request?**

Environmental Health

**Records Requested:**

Any information relating to the installation or abandonment of potable water wells, septic systems and any other information of environmental consequence for +/- 35 acres West of S. [Crystal Lake Rd., McHenry, Illinois 60050](#) (PIN 14-09-100-001 & 14-08-200-002).

**Read-Only Content**

**Is this request for a commercial purpose?**

No

**Read-Only Content**

Thank you,  
**McHenry County, IL**

---

**This is an automated message generated by Granicus. Please do not reply directly to this email.**



## **Appendix N**

### **FOIA Responses:**

- McHenry Township Fire Protection District***
- McHenry County Planning & Development Department***
- McHenry County Health Department***



## MCHENRY TOWNSHIP FIRE PROTECTION DISTRICT

### FIRE AND RESCUE SERVICES

3610 West Elm Street • McHenry, Illinois 60050

(815) 385-0075 • FAX (815) 385-9419

[www.mtfd.org](http://www.mtfd.org)

#### Trustees

Allen R. Miller, President  
Robert J. Meyer, Secretary  
Christopher J. Bennett, Treasurer  
Joseph Doherty, Trustee  
Kurt Rodewald, Trustee

#### Commissioners

Anthony T. Huemann, Chairman  
Francis 'Jack' Stanaszek, Secretary  
Ron Waytula

#### Chief

Rudy Horist

#### Station One

3610 W. Elm Street  
McHenry, IL 60050

#### Station Two

3710 N. Johnsburg Road  
Johnsburg, IL 60051

#### Station Three

809 Rand Road  
Lakemoor, IL 60051

#### Station Four

6300 Dartmoor Drive  
McHenry, IL 60050

#### Station Five

3705 Ringwood Road  
Ringwood, IL 60072

November 13, 2025

#### Via: email

[allie@statelineenvironmental.com](mailto:allie@statelineenvironmental.com)

Stateline Environmental

Alexandra Cook

P.O. Box 495

Antioch, IL 60002

Dear Alexandra,

The McHenry Township Fire Protection District has received your request for information pursuant to the Illinois Freedom of Information Act regarding the properties located west of Crystal Lake Road., McHenry, Illinois 60050, PIN 14-08-200-002 and 14-09-100-001.

We have no records related to underground storage tanks, hazardous materials storage, or any historical violations for these parcels.

The only record on file for these parcels is the presence of a Verizon cell tower at parcel 14-09-100-001.

Sincerely,

A handwritten signature in black ink, appearing to read "Rudy Horist", is written over a light blue horizontal line.

Rudy Horist  
Fire Chief



**[EXTERNAL] \*NEW SUBMISSION\* Planning & Development FOIA Response**

Shannon Jackson <SAJackson@mchenrycountyil.gov>  
To: "allie@statelineenvironmental.com" <allie@statelineenvironmental.com>  
Cc: Plandev <Plandev@mchenrycountyil.gov>

Wed, Nov 12, 2025 at 1:56 PM

Thank you for contacting **McHenry County Planning and Development** with your request for information pursuant to the **Illinois Freedom of Information Act, 5 ILCS 140/1 et seq.**

On November 10, 2025, you requested **information concerning Parcel #'s: 14-09-100-001 & 14-08-200-002: Any permits for construction, alterations or renovations, as well as certificates of occupancy and historical violations.**

The McHenry County Planning and Development Department partially grants your request and has attached one building permit. The remainder of the request is denied as there are no records responsive to your request.

You have a right to seek a review of this response by the Public Access Counselor (PAC) at the Office of the Illinois Attorney General. You can file your request for your review with the PAC within 60 Calendar days of the date of this letter by writing to:

Public Access Counselor

Office of the Attorney General

500 South 2nd Street

Springfield, IL 62706

Telephone: (877)299-3642

Email: [Publicaccess@atg.state.il.us](mailto:Publicaccess@atg.state.il.us)

You also have a right to seek judicial review of this response under **5ILCS 140/11.**

Please let me know if I can assist with anything further.



**Shannon Jackson**

*Administrative Specialist II*

Department of Planning and Development  
2200 N. Seminary Ave, Woodstock, IL 60098

Direct: (815) 334-4213

Email: [sajackson@mchenrycountyil.gov](mailto:sajackson@mchenrycountyil.gov)



McHenry County is *always* [hiring!](#) #Work4McH

**NOTE: All McHenry County permits are now ONLINE. This includes Building, Stormwater, and Zoning Applications. Go to <https://co-mchenry-il.smartgovcommunity.com/Public/Home>**

---

**From:** McHenry County, IL Website <[webmaster@mchenrycountyil.gov](mailto:webmaster@mchenrycountyil.gov)>  
**Sent:** Monday, November 10, 2025 1:44 PM  
**To:** Plandev <[Plandev@mchenrycountyil.gov](mailto:Plandev@mchenrycountyil.gov)>  
**Subject:** [EXTERNAL] \*NEW SUBMISSION\* Planning & Development FOIA

**Planning & Development FOIA**

**Submission #:** 4448487  
**IP Address:** 73.22.220.117  
**Submission Date:** 11/10/2025 1:44  
**Survey Time:** 3 minutes, 37 seconds

You have a new online form submission.

Note: all answers displaying "\*\*\*\*\*" are marked as sensitive and must be viewed after your login.

**Full Name:**

Alexandra Cook

**Mailing Address:**

P.O. Box 495  
Antioch, Illinois 60002-1423

**Email Address:**

[allie@statelineenvironmental.com](mailto:allie@statelineenvironmental.com)

**Phone Number (will be used if clarification of this request is needed):**

(847) 366-4828

**Desired Response Type:**

Email

**Records Requested:**

Any permits for construction, alterations or renovations, as well as certificates of occupancy and historical violations for +/- 35 acres West of South [Crystal Lake Road, McHenry, Illinois 60050](#) (PIN 14-09-100-001 & 14-08-200-002).

**Read-Only Content**

**Is this request for a commercial purpose?**

No

**Read-Only Content**

Thank you,  
McHenry County, IL

---

This is an automated message generated by Granicus. Please do not reply directly to this email.

**CAUTION:** This email originated from outside of the County network. Do not click links or open attachments unless you recognize the sender and know the content is safe.

While mismatches between the actual SENDER field and the FROM field are common. It is also a common spoofing tactic. For additional reference, this email was actually sent from [0101019a6f4cbfee-9a4bf09b-dbae-49bd-8cf3-abf22259fd54-000000@us-west-2.amazonses.com](mailto:0101019a6f4cbfee-9a4bf09b-dbae-49bd-8cf3-abf22259fd54-000000@us-west-2.amazonses.com)

If you have any questions about the legitimacy of this email, please call the helpdesk at extension 4828.

---

 **I7337 - 645 - 1207 S CRYSTAL LAKE RD - DENNIS DALEY - 10-31-2006 - PD-Building Permits-Application.pdf**  
298K

# McHenry County Planning and Development Building Permit

# I7337

(815) 334-4560

**Owner Name:** DANNIS DALEY

**Contractor Name:** CORNERSTONE MATERIAL RECOVERY

**Address:** PO BOX 241

**Address:** 4172 BULL VALLEY

**City:** GURNEE IL 60031

**City:** MCHENRY IL 60050

**Phone:** (847) 336-0080

**Phone:** (815) 344-8777

**Parcel Location:**

**Application Date:** 10/31/2006      **Zoning:** A1

**Address:** 1207 S CRYSTAL LAKE RD

**Township:** NUNDA

**City:** MCHENRY IL 60050

**Sec 09      Twp 44      Range: 08**

**Phone:**

**Subdivision:**

**Parcel Number:** 14-09-100-001

**Mail Permit To:** PICKUP

**Legal Description**

**Category #:** 645 - SINGLE-FAMILY HOUSES (WRECKING)

**Const Type:** Alteration

**Stories:** 0

**Electrical Wire:** N

**Wall Type:**

**Building Type:** Residential

**Rooms:** 0

**Type of Heat:** None

**Chimney:**

**Public/Private:** PRI

**Bedrooms:** 0

**Central Air:** N

**Basement:** N

**Bathrooms:** 0

**Heat Accessories:** 0

**Garage:** None 0

**Plumbing Fixtures:** 0

**Itemized Plumbing:**

**New Roof:** N

**Fencing Fee:** N

**Wrecking:** Y

**Flood / Stormwater:** Y

**Siding Fee:** N

**Pool Type:** None

**Red Tag:** N

**Health Review:** N

**New Foundation:** N

**Amps of Panel:**

**Ag Exempt:** N

**Roofer:**

**Architect:**

**Electrician:**

**Engineer:**

**Plumber:**

**Concrete Contractor:**

**Plumber License:**

**Stormwater Engineer:**

**Plumber Registration:**

**HVAC Contractor:**

**Septic/Well Installer:**

**Excavator:**

**Water Supply:**

**Water Supply Desc:**

**Sewage Type:** N/A

**Sewage Disposal:**

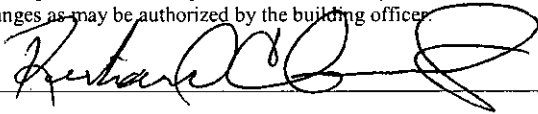
**Sq Feet:** 0

**Garage Sq.Ft.:** 0

**Deck Sq Ft.:** 0

On consideration of this application and attached forms being made a part thereof, and the issuance of permits, I/we will conform to the regulations set forth in the McHenry County Building Ordinance. I/we also agree that all work performed under said permit will be in accordance with the plans and plot diagram which accompanied this application, except for such changes as may be authorized by the building officer.

(Signature of Owner or Authorized Agent)



**Permit Fee:** \$114.00

**Penalty Fee:** \$0.00

**Service Fee:** \$0.00

**Misc Fee:** \$0.00

**Health Fee:** \$0.00

**Permit Total:** \$114.00


**Fee Paid:** \$114.00

**Balance Due:** \$0.00

**Approx Value of Work Covered By Permit:** \$15,850.00

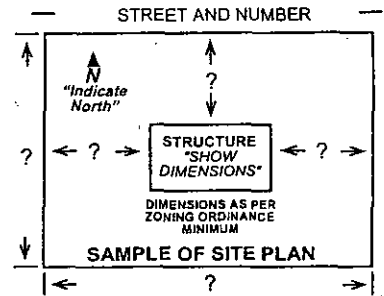
**Misc Fee Explanation:**

**Date Issued:** 11-6-06

**Building Officer:** 

# SITE PLAN

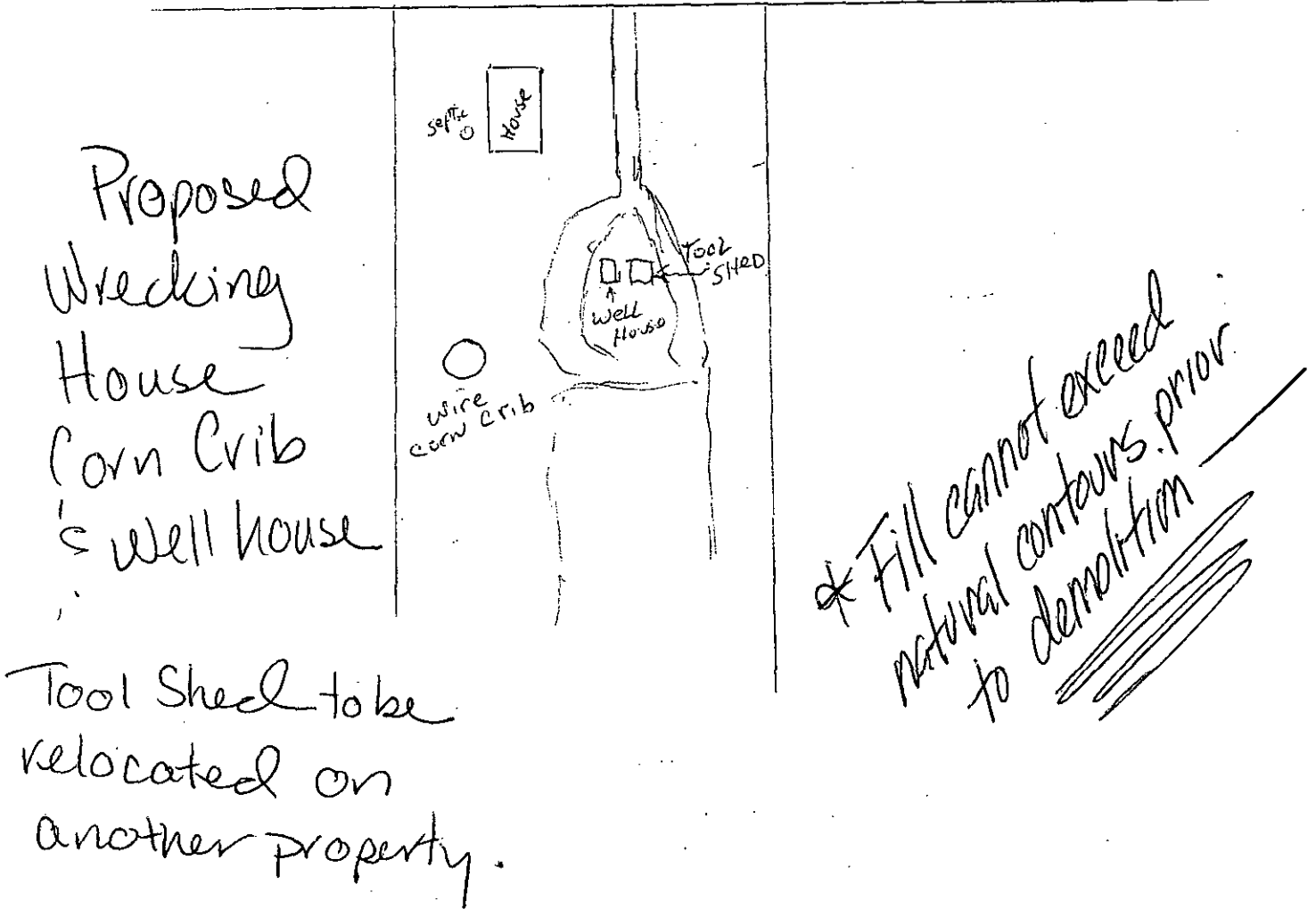
- Parcel stakes *must* be visible
- Show *all* structures existing on parcel at present time (incl. well & septic)
- Note if your facility is *existing* or *proposed*
- Note parcel size and building location
- Indicate *north* direction
- Indicate *all* adjacent roads/streets (both improved & unimproved)



**ALL SETBACKS ARE MEASURED FROM THE OVERHANG TO THE PROPERTY LINE!**

SKETCH YOUR SITE PLAN BELOW - SUPPLY COMPLETE INFORMATION  
LOCATE BUILDINGS ON PARCEL BY DIMENSIONS TO PARCEL LINES - NOTE ABOVE SKETCH

1207 S CRYSTAL LAKE RD.



**NOTE:** FRAUDULANT MISREPRESENTATIONS ON THE SITE PLAN MAY RESULT IN FORFEITURE OF ANY PERMIT ISSUED BY MCHENRY COUNTY PURSUANT TO A REVIEW OF THE APPLICATION.

**NO INSPECTIONS UNTIL CULVERT IS INSTALLED AND ACCESS TO SITE IS AVAILABLE**

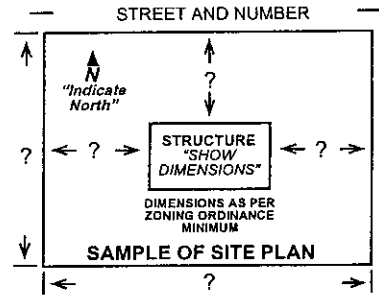
P.I.N. 14-09-100-001 PERMIT # I7337 DATE ISSUED 11-6-06

LOT/S # \_\_\_\_\_ BLOCK # \_\_\_\_\_ SUBDIVISION \_\_\_\_\_ UNIT # \_\_\_\_\_

ADDRESS 1207 S CRYSTAL LAKE ROAD McHENRY IL 60050

# SITE PLAN

- Parcel stakes *must* be visible
- Show *all* structures existing on parcel at present time (incl. well & septic)
- Note if your facility is *existing* or *proposed*
- Note parcel size and building location
- Indicate *north* direction
- Indicate *all* adjacent roads/streets (both improved & unimproved)

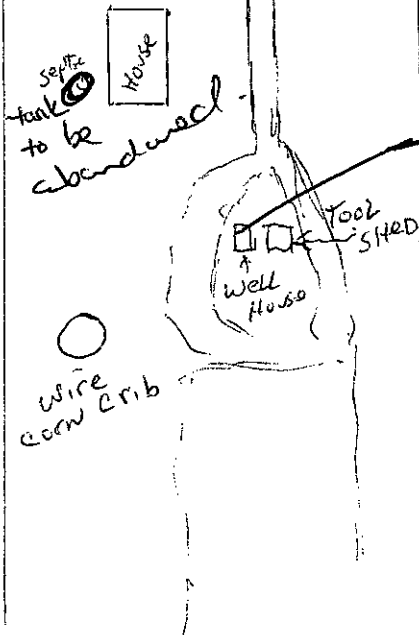


**ALL SETBACKS ARE MEASURED FROM THE OVERHANG TO THE PROPERTY LINE!**

SKETCH YOUR SITE PLAN BELOW - SUPPLY COMPLETE INFORMATION  
LOCATE BUILDINGS ON PARCEL BY DIMENSIONS TO PARCEL LINES - NOTE ABOVE SKETCH

1207 S CRYSTAL LAKE RD.

PUMP, CRACK AND FILL  
OR PUMP AND REMOVE  
EXISTING TREATMENT UNIT(S)



Well house to be removed + well to meet current code requirements.  
Well to be abandoned.

APPROVED  
McHenry County Dept. of Health  
Staff: \_\_\_\_\_  
Date: 10-30-06  
Permit #: 06-0642  
Comp. #: 3008.170

**NOTE:** FRAUDULANT MISREPRESENTATIONS ON THE SITE PLAN MAY RESULT IN FORFEITURE OF ANY PERMIT ISSUED BY MCHENRY COUNTY PURSUANT TO A REVIEW OF THE APPLICATION.

**NO INSPECTIONS UNTIL CULVERT IS INSTALLED AND ACCESS TO SITE IS AVAILABLE**

P.I.N. \_\_\_\_\_ PERMIT # \_\_\_\_\_ DATE ISSUED \_\_\_\_\_  
 LOT/S # \_\_\_\_\_ BLOCK # \_\_\_\_\_ SUBDIVISION \_\_\_\_\_ UNIT # \_\_\_\_\_  
 ADDRESS \_\_\_\_\_

**McHenry County Department of Planning & Development**

McHenry County Government Center - Administrative Building

2200 North Seminary Avenue

Woodstock, IL 60098

815-334-4560 fax 815-337-3720

Date

10/31/06

Received of (Name and Address)

Cornerstone Material Rec.

4172 Burr Valley Rd

McHenry, IL

Owner (Name and Address)

1207 S Crystal Lake Rd

McHenry, IL

Check #

23683

Cash

Check Amount

114.00

Description

Wrecking

Permit #

F-7337

Parcel #

14 09 100-001

**ABOVE AMOUNT INCLUDES:**

Building Fee

Publication

Review Fee

Motel License

Added Fee

Motel Insp. Fee

Re-Inspection Fee

Gravel Pit Fee

Flood Plain

Sign Permit

Red Tag

Admin. Variance

Postage

Copies

Site Evaluation

Miscellaneous

ZBA Fee

Subdivision Fee

09924

By:

[Signature]

This is a receipt only. This is not a permit.

Permit Date  
10/31/2006

McHenry County Planning and Development Building Permit  
(815) 334-4560

I7337

Owner: DONNIS DALEY  
Phone: (847) 336-0080

Parcel Numbe 14-09-100-001  
Prop Address 1207 S CRYSTAL LAKE RD  
MCHENRY  
645 - SINGLE-FAMILY HOUSES (WRECKING)

1. Erosion Control Inspect	
2. Footing Inspection	
3. Backfill Inspection	
4. Service Inspection	
5. Slab Plumbing Inspection	
6. Rough Plumbing Inspection	
7. Rough Framing Inspection	
8. Rough Electric Inspection	
9. Rough HVAC Inspection	
10. Final Bld. Inspection	OK 1-11-08
11. Final Site Eng. Inspect	

Septic System Inspection  
Well Inspection  
Culvert Requirements

Please contact the Health Department for all  
septic and well inspections.  
815-334-4582

Culvert Approved: \_\_\_\_\_

"Let nothing  
be wasted."  
John 6:12



# CORNERSTONE

**MATERIAL RECOVERY, INC.**

4172 BULL VALLEY ROAD McHENRY, IL 60050  
PH: 815-344-8777 • FAX 815-344-7772

10/27/06

Re: 1207 S. Crystal Lake Rd.  
McHenry, IL.

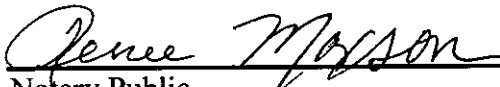
To Whom It May Concern:

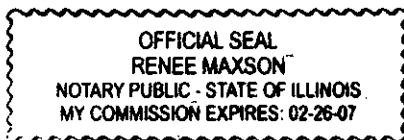
The gas and electric have been safely disconnected at 1207 S. Crystal Lake Rd.  
Illinois.

Thank you,

Richard Clements  
V.P. Cornerstone Material Recovery, Inc.

Signed and sworn before me on this 27<sup>th</sup> day of October, 2006

  
\_\_\_\_\_  
Notary Public



McHenry County Department of Health  
Division of Environmental Health  
2200 N. Seminary Ave  
Woodstock, IL 60098  
815-334-4585

PERMIT #: 06-0642

PROJECT: Abandon well/septic

LOCATION: 1207 S Crystal Lake Rd

DATE ISSUED: 10-30-06

PERMIT EXPIRES: 10-30-08

Septic System Inspection
Date Approved: _____
Health Dept. Staff: _____
Well Installation Inspection
Date Approved: _____
Health Dept. Staff: _____

PERMIT MUST BE CONSPICUOUSLY DISPLAYED ON PROJECT SITE

24 HOUR ADVANCE NOTICE REQUIRED FOR INSPECTION

Use of a septic system prior to installation approval is prohibited.

McHenry County Department of Planning and Development

Permit #

17337

STORMWATER MANAGEMENT PERMIT APPLICATION

Owner: DANNIS DALEY  
PO BOX 241  
GURNEE IL 60031  
8473360080

Permit Date 10/31/2006  
Township NUNDA  
Property: 1207 S CRYSTAL LAKE RD  
MCHENRY IL 60050

Contractor CORNERSTONE MATERIAL RECOV  
4172 BULL VALLEY  
MCHENRY IL 60050  
8153448777

Parcel Number 14-09-100-001  
Legal

APPLICANT'S SIGNATURE

*[Handwritten Signature]*

DATE 10-31-06

OFFICE USE ONLY

Community Status

*Unincorporated*  
*Certified*

Stormwater Management Fee

[ ]

Payment Amt

[ ]

Date:

[ ]

DEVELOPMENT CLASSIFICATION

Minor  Intermediate  Major  Special Flood Hazard

Public Road  No Stormwater Management Permit Required

REGULATED DEVELOPMENT

SFHA  5000 SF Impervious  5000 SF Hydrologic Disturbance

Runoff Direction Change  500 SF Disturbance Witin 25' of Body Water

100 CY of Cut And/Or Fill  Wetland Impact  No SMO Received

FLOOD HAZARD CHECK

Firm# *170732-0225* USGS HA Map *255* Wetland Map *Nunda*

Out of SFHA/Wetlands  Portion of Property in SFHA or Wetlands

Entire Property in SFHA or Wetlands  Additional Data Required (See Comments)

ADDITIONAL PERMITS

DNR/OWR Permit Required  USACE Permit Required

Local/State/Federal Permit Required  Other Description: [ ]

Comments

*Wrecking*

Date Received *10/31/06* Date Completed/Forwarded *11/2/06* By *DL*

ReCheck Date [ ] Comments: [ ]

# CERTIFICATE OF COMPLETION

## FOR NON-HABITABLE OR OCCUPIABLE STRUCTURES

COUNTY OF McHENRY  
DEPARTMENT OF PLANNING AND DEVELOPMENT  
Division of Permitting, Inspection & Enforcement

Name of Owner Dennis Daley Permit No. I 7337

Address 1207 S. Crystal Lake Rd  
McHenry 60050

Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_

Construction Project Wrecking

Permanent Parcel Index No. (PPI) 14-09-100-003

This is to certify that the construction project listed above has been inspected and completed in accordance with the current ordinances and building codes of McHenry County.

Date 1-11-08 By Jem Johnson

Enforcement Officer (Deputy)

McHENRY COUNTY  
DEPARTMENT OF HEALTH  
Division of Environmental Health  
McHenry County Government Center  
2200 N. Seminary Ave. - Rt. 47 N  
Woodstock, Illinois 60098  
815/334-4585

### CORRECTION NOTICE

Building Permit No. 06-0642

An inspector has this day inspected this system. The following items must be corrected prior to approval of the installation.

- OK TO BACKFILL
- DO NOT BACKFILL
- CONNECT TANK INLET
- MORTAR TANK, DISTRIBUTION BOX
- INSTALL PUMP IN LIFT STATION
- PROVIDE PUMP MAKE, MODEL NUMBER
- INSTALL HIGH WATER ALARM
- STAKE OUT PROPERTY LINES
- STAKE OUT WATER SERVICE/MAIN
- ENGINEER MUST VERIFY ELEVATIONS
- REVISED PRINTS REQUIRED
- ABANDON EXISTING SEPTIC SYSTEM COMPONENTS
- SUBMIT WELL LOG
- SUBMIT SATISFACTORY WATER SAMPLE
- SUBMIT WELL SEALING FORM
- CALL FOR REINSPECTION

Septic Abandon as per  
plan of

You are hereby notified that the above items must be corrected by \_\_\_\_\_. When corrections have been made, call for inspection and mention permit number.

Date/Inspector 2/11/09 C. Jones

**DO NOT REMOVE THIS TAG**

McHENRY COUNTY  
DEPARTMENT OF HEALTH  
Division of Environmental Health  
McHenry County Government Center  
2200 N. Seminary Ave. - Rt. 47 N  
Woodstock, Illinois 60098  
815/334-4585

## CORRECTION NOTICE

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- SUBMIT WELL SEALING FORM
- CALL FOR REINSPECTION

Well abandoned as per plan

You are hereby notified that the above items must be corrected by \_\_\_\_\_. When corrections have been made, call for inspection and mention permit number.

Date/Inspector 5/15/07 MS

**DO NOT REMOVE THIS TAG**

**McHENRY COUNTY DEPARTMENT OF HEALTH**  
**McHENRY COUNTY GOVERNMENT CENTER**  
 2200 N. SEMINARY AVENUE - ROUTE 47 N.  
 WOODSTOCK, ILLINOIS 60098  
 TELEPHONE 815-334-4510  
 FAX 815-334-4637  
 www.mcdh.info

N/S

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 McHenry, Illinois

Virginia Peschke  
 Woodstock, Illinois

Public Health Administrator  
 Patrick J. McNulty

PERMIT# 06-0642

SETUP DATE FOR INSPECTION/REINSPECTION: Aband (w) 5/14/07 (Abw + Abs)  
2/10/09 (Abs)

SEPTIC INSTALLER: \_\_\_\_\_

SEPTIC INSTALLER'S STATE LICENSE NUMBER \_\_\_\_\_

WELL DRILLER: Snelton, Corey  
Draig

**1. SEWAGE DISPOSAL SYSTEM INSPECTION:**

Septic abandon per  
plan of 2/10/09

**2. WELL INSTALLATION INSPECTION:**

Well abandon ment as  
per plan per MS  
on 5/15/07 of  
2/10/09 SB Abandonment  
APP.

WELL INFORMATION-DATE RECEIVED:	
1A) SATISFACTORY WATER SAMPLE	_____
1B) SATISFACTORY WATER SAMPLE	_____
IF VARIATION IS GRANTED	
2) WELL SEALING FORM	<u>12/1/06</u>
3) WELL DRILLER'S LOG	_____
VARIANCE INFORMATION	_____

REMARKS/NOTES: 2/9/09 Called for abandon septic status. Left  
message for Richard Clements (R) called Rita 12:10 PM, 2/9/09 -  
Richard will ck records for pumping receipt. SIV Insp.  
though,

O:env123/sewage/swinspec



06-0642

**McHenry County Department of Health - Division of Environmental Health**  
**2200 North Seminary Ave Woodstock, IL 60098**  
**815-334-4585**

**Permit Information**

**Environmental Permit Number**

**Onbase Permit Number**

**Parcel Pin Number**

**Owner / Applicant**

**Parcel Street Address**

**Parcel City, State, Zip**  , IL

**Inc. City/Village:**

<b>New Well</b>	<input type="text" value="NO"/>	<b>New Septic</b>	<input type="text" value="NO"/>
<b>Replace Well</b>	<input type="text" value="NO"/>	<b>Replace Septic</b>	<input type="text" value="NO"/>
<b>Repair Well</b>	<input type="text" value="NO"/>	<b>Repair Septic</b>	<input type="text" value="NO"/>
<b>Abandon Well</b>	<input type="text" value="YES"/>	<b>Abandon Septic</b>	<input type="text" value="YES"/>
<b>Acc. Structure / Addition</b>		<input type="text" value="NO"/>	

**PLAN REVIEW**

REVIEW	DATE RECEIVED	DATE REVIEWED	RESULT
INITIAL REVIEW	<input type="text" value="10/10/06"/>	<input type="text" value="10/24/06"/>	<input type="text" value="N"/>
REVISION 1	<input type="text" value="10/27/06"/>	<input type="text" value="10/30/06"/>	<input type="text" value="A"/>
REVISION 2	<input type="text"/>	<input type="text"/>	<input type="text"/>
REVISION 3	<input type="text"/>	<input type="text"/>	<input type="text"/>
REVISION 4	<input type="text"/>	<input type="text"/>	<input type="text"/>
REVISION 5	<input type="text"/>	<input type="text"/>	<input type="text"/>
REVISION 6	<input type="text"/>	<input type="text"/>	<input type="text"/>
REVISION 7	<input type="text"/>	<input type="text"/>	<input type="text"/>
REVISION 8	<input type="text"/>	<input type="text"/>	<input type="text"/>

**INSPECTION REQUESTED**

INSPECTION	DATE	TYPE	RESULT	INSPECTED BY
1	<input type="text" value="12/06/06"/>	<input type="text" value="W"/>	<input type="text" value="N"/>	<input type="text" value="MS"/>
2	<input type="text" value="5/15/07"/>	<input type="text" value="W"/>	<input type="text" value="N"/>	<input type="text" value="MS"/>
3	<input type="text" value="2/10/09"/>	<input type="text" value="S"/>	<input type="text" value="A"/>	<input type="text" value="CJ"/>
4	<input type="text" value="2/20/09"/>	<input type="text" value="W"/>	<input type="text" value="A"/>	<input type="text" value="SB"/>
5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

COMMENTS:

<b>Plan Review Status</b>	<input type="text" value=""/>	<b>Plan Review Initial Approval Date</b>	<input type="text" value=""/>	<b>Plan Review Initial Approval Staff</b>	<input type="text" value=""/>
<b>Initial Septic Inspection Date</b>	<input type="text" value=""/>	<b>Initial Well Inspection Date</b>	<input type="text" value=""/>		
<b>Inspection Bring up Date</b>	<input type="text" value=""/>				
<b>Septic Installation Approval Date</b>	<input type="text" value=""/>	<b>Well Installation Approval Date</b>	<input type="text" value=""/>		
<b>Permit Inspection Status</b>	<input type="text" value=""/>				
<b>Septic Installation Approval Staff</b>	<input type="text" value=""/>	<b>Well Installation Approval Staff</b>	<input type="text" value=""/>		

Private Water Well/Septic System Inspection Report  
 McHenry County Department of Health

Address: 1207 S. Crystal Lake Rd. Well Inspection Date: 5/15/07  
 Permit#: 06-0672 Septic Inspection Date: 2/11/09  
 Well Driller: \_\_\_\_\_ Well Log Submitted: \_\_\_\_\_  
 Abandoned well on site: (Y)N Properly Sealed? (Y)N Sealing letter sent: yes  
 Well Type: Domestic Semi-Public Irrigation Geothermal

*Well abandonment ok per US on 5/15/07*

Location \_\_\_\_\_  
 Distance From: \_\_\_\_\_ ft. Direction \_\_\_\_\_  
 Permit Holders Septic Field \_\_\_\_\_ ft. Direction \_\_\_\_\_  
 Neighboring Septic Field \_\_\_\_\_ ft. Direction \_\_\_\_\_  
 \_\_\_\_\_ ft. Direction \_\_\_\_\_  
 \_\_\_\_\_ ft. Direction \_\_\_\_\_  
 Other Contamination Sources \_\_\_\_\_ ft. Direction \_\_\_\_\_  
 Property lines or Right of Way \_\_\_\_\_ ft. Direction \_\_\_\_\_

Subject to Flooding? \_\_\_\_\_ Constructed Distance from nearest Overhang \_\_\_\_\_  
 Construction: Well type \_\_\_\_\_ Rig Type: Rotary \_\_\_\_\_  
 Driven \_\_\_\_\_ Cable Tool \_\_\_\_\_  
 Dug \_\_\_\_\_ Other \_\_\_\_\_

Casing: ASTM Plast " Steel " Terminates " above grade  
 #F480-81/NSF #14-1980 ASTM #A-53-81A, A-120-82, A5589-8  
 Approximate Well Head Elevation \_\_\_\_\_ Well Grouted Y/N \_\_\_\_\_ Annulus Sealed/Backfilled Y/N \_\_\_\_\_  
 Casing: Welded: \_\_\_\_\_ Threaded: \_\_\_\_\_ Glued \_\_\_\_\_  
 Pitless Adapter: Installed \_\_\_\_\_ Welded \_\_\_\_\_ Threaded \_\_\_\_\_  
 Clamped \_\_\_\_\_  
 Casing Properly Vented Y/N \_\_\_\_\_ Approved Well Cap \_\_\_\_\_

Septic Tank Abandonment  
 \_\_\_\_\_ Inspect Inlet Connection To Tank/Grouted \_\_\_\_\_ Verify Tank Size  
 \_\_\_\_\_ Verify Riser if Required/Grouted \_\_\_\_\_ Inspect Tank Outlet Connection

- Septic Field
- \_\_\_\_\_ Measure Distance Residence to Tank, Residence to Field
  - \_\_\_\_\_ Verify Field is located in area shown on design
  - \_\_\_\_\_ Measure Distance property lines to field
  - \_\_\_\_\_ Measure lineal footage of septic trenches, center to center
  - \_\_\_\_\_ Measure length of solid headers
  - \_\_\_\_\_ Verify field not located in septic restricted area/easement
  - \_\_\_\_\_ Verify depth of stone in trenches/depth of sand if required
  - \_\_\_\_\_ Verify size of stone, washed condition
  - \_\_\_\_\_ Verify building paper or filter fabric used
  - \_\_\_\_\_ Verify trench width for appropriate system
  - \_\_\_\_\_ Verify lift station; size, alarm, prevention from freezing
  - \_\_\_\_\_ Verify aerobic unit; size, type, hookup complete, alarm
  - \_\_\_\_\_ Blue Tag Date. no blue tag left on site (cf)
  - \_\_\_\_\_ Reinspection Dates. 2/11/09

Sanitarian cf Septic Approval Date: \_\_\_\_\_

Water Sample Results: Positive Negative  
 Well Approval Date: \_\_\_\_\_  
 Sanitarian \_\_\_\_\_

# Well and Septic Permit Application

Remember - Use the Tab Key and the Application Date is Required!

06-0642

Environmental Permit Number

Onbase Permit Number

Application Date

New Well

Owner / Applicant

Replace Well

Parcel Street Address

Repair Well  *was NO*

Parcel City

Abandon Well  *YES*

Parcel Pin Number

New Septic

Lot

Replace Septic

Subdivision

Repair Septic

Septic Installer Name

Abandon Septic

Septic Engineer

Accessory Structure

Well Driller

FEE \$

Zoning

Inc. City/Village

Residential or Commercial

Variance

Save

Reset

McHenry County Department of Health  
WELL AND/OR SEPTIC PERMIT APPLICATION

Phone: 815-334-4585

Fax: 815-334-4637



Owner/Applicant: Dennis Daly / Richard Clements

CORNESTONE MATERIAL RECOVERY, 4172 BULL VALLEY RD -

Owner/Applicant Mailing Address: P.O. Box

McHenry, IL 60050

Office Use Only:	
Permit Number:	<u>06-0643</u>
Staff Initials:	<u>RP</u>
Fee Collected:	<u>200-</u>
Application Date:	<u>10/10/06</u>

Owner City: P.O. Box 241 Gurnee

Project Site Address: 1207 S Crystal Lake Rd

Owner State & Zip: IL 60031

Project Site City & Zip: McHenry, IL 60050

Phone Number: ~~815-334-4585~~  
815-378-8188 cell

Parcel Pin Number: \_\_\_\_\_

Fax Number: 815-344-7772

Subdivision: \_\_\_\_\_

Lot Number: \_\_\_\_\_

Circle One: Incorporated Unincorporated

Circle One: Residential Property Non-Residential Property

**PERMIT CATEGORY \***  
(Circle All That Apply)

<input type="checkbox"/> New Well	<input type="checkbox"/> New Septic
<input type="checkbox"/> Replacement Well	<input type="checkbox"/> Replacement Septic
<input checked="" type="checkbox"/> <u>Repair Well</u>	<input type="checkbox"/> Repair Septic
<input type="checkbox"/> Abandon Well	<input checked="" type="checkbox"/> <u>Abandon Septic</u>
<input type="checkbox"/> Accessory Structure	<input type="checkbox"/> Variance

Well Driller: Snetton + Sons Well Drilling

Septic Contractor Name: Ray Craft Septic

Septic Designer: \_\_\_\_\_

\* Fee Schedule on Back

Circle One: Permit to be - Picked Up or Mailed

Applicant Signature: Richard Clements v.l.

Date: 10-10-06

# WATER WELL SEALING FORM

McHenry County Health Department  
Division of Environmental Health  
2200 N. Seminary Avenue  
Woodstock, IL 60098  
(815) 334-4585

Permit # 06-0642

111-0642-06

This form shall be submitted to the McHenry County Health Department at the time of sealing potable wells, irrigation, boring or monitoring wells. Such wells are to be sealed no more than thirty (30) days after they are abandoned in accordance with the sealing requirements of the Illinois Water Well Construction Code. Note: Prior to the sealing of an abandoned well, twenty-four (24) hour notice must be given to the Department.

- Owner of Property DALY LTD. PARTNERSHIP PO BOX 341 GURNEE, IL.  
name address phone #
- Well Location 1207 S. CRYSTAL LAKE RD. MCHENRY MCHENRY  
street city county
- General Description: Section 9, Township 44N, Range 8E, P.I.N. # 14-09-100-001
- Drilling Permit No. (and date, if known) \_\_\_\_\_
- Type of Well: Drilled , Driven \_\_\_\_\_, Dug \_\_\_\_\_, Other \_\_\_\_\_  
N 42° 18.699'  
W 088° 18.758'
- Total Depth 160' Static Level 42' Diameter (inches) 5"-STEEL
- Reason for Abandonment? municipal water, vacant property, etc.  
VACANT PROPERTY DEMOLITION
- Formation clear of obstruction? yes  no \_\_\_\_\_ Depth 160' NE 1/4 NW 1/4 NW 1/4
- Details of Plugging:  
From 160' to 3' feet  
Kind of Plug BENTONITE  
From 3' to 0' feet  
Kind of Plug CLAY BACKFILL  
From \_\_\_\_\_ to \_\_\_\_\_ feet  
Kind of Plug \_\_\_\_\_
- Casing Record:  
Type of Casing: PVC \_\_\_\_\_, Steel   
Upper three (3) feet of casing removed? yes  no \_\_\_\_\_  
Is well in pit? yes  no \_\_\_\_\_ Well pit abandoned? yes \_\_\_\_\_ no   
If well casing consists of brick, stone, concrete blocks, porous tile or other porous material, casing was removed to a depth of ten (10) feet below the surface?  
yes \_\_\_\_\_ no \_\_\_\_\_
- Date well was sealed: 11 / 21 / 06  
month / day / year
- Licensed water well driller or other person approved by the Department performing well sealing:  
Greg Snelter name (print) Jeffrey A. Snelter signature  
25000 S. OLD RAND RD. WAUCONDA, IL. 60084  
address city state zip  
092-006972  
license number

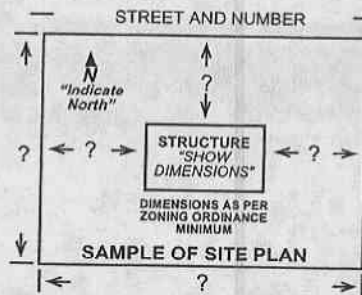
Sealing was observed by

[Signature]  
signature

McHenry County Health Department  
Environmental Health Division

# SITE PLAN

- Parcel stakes *must* be visible
- Show *all* structures existing on parcel at present time (incl. well & septic)
- Note if your facility is *existing* or *proposed*
- Note parcel size and building location
- Indicate *north* direction
- Indicate *all* adjacent roads/streets (both improved & unimproved)

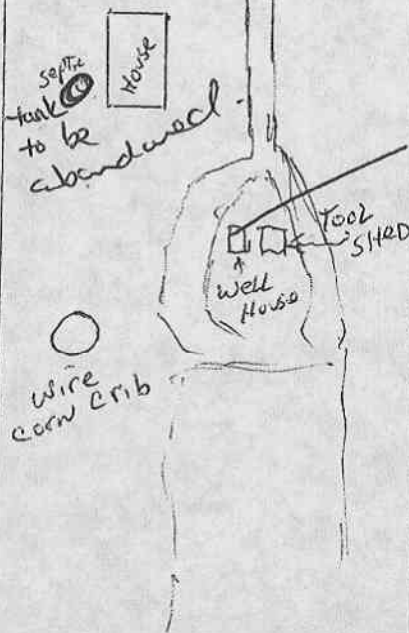


**ALL SETBACKS ARE MEASURED FROM THE OVERHANG TO THE PROPERTY LINE!**


SKETCH YOUR SITE PLAN BELOW - SUPPLY COMPLETE INFORMATION  
LOCATE BUILDINGS ON PARCEL BY DIMENSIONS TO PARCEL LINES - NOTE ABOVE SKETCH

1267 S CRYSTAL LAKE RD.

PUMP, CRACK AND FILL  
OR PUMP AND REMOVE  
EXISTING TREATMENT UNIT(S)



well house to be removed + well to meet current code requirements.

APPROVED  
McHenry County Dept. of Health  
Staff:   
Date: 10-30-06  
Permit #: 06-0042  
Comp. #: 300870

HEALTH INSPECTION COPY

**NOTE:** FRAUDULANT MISREPRESENTATIONS ON THE SITE PLAN MAY RESULT IN FORFEITURE OF ANY PERMIT ISSUED BY MCHENRY COUNTY PURSUANT TO A REVIEW OF THE APPLICATION.

**NO INSPECTIONS UNTIL CULVERT IS INSTALLED AND ACCESS TO SITE IS AVAILABLE**

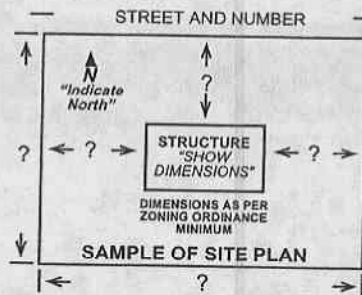
P.I.N. \_\_\_\_\_ PERMIT # \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

LOT/S # \_\_\_\_\_ BLOCK # \_\_\_\_\_ SUBDIVISION \_\_\_\_\_ UNIT # \_\_\_\_\_

ADDRESS \_\_\_\_\_

# SITE PLAN

- Parcel stakes *must* be visible
- Show *all* structures existing on parcel at present time (incl. well & septic)
- Note if your facility is *existing* or *proposed*
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- Indicate *north* direction
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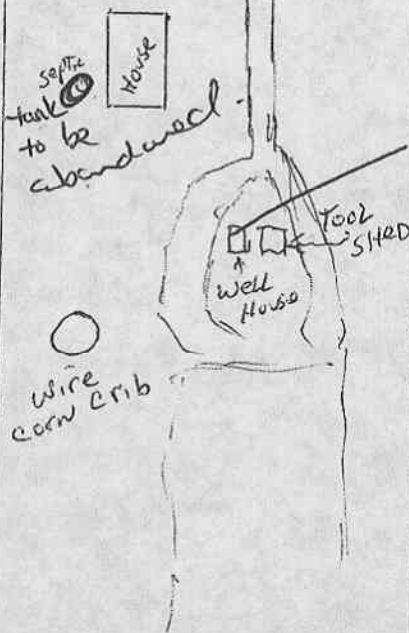


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LOCATE BUILDINGS ON PARCEL BY DIMENSIONS TO PARCEL LINES - NOTE ABOVE SKETCH

1267 S CRYSTAL LAKE RD.

PUMP, CRACK AND FILL  
OR PUMP AND REMOVE  
EXISTING TREATMENT UNIT(S)



Well house to be  
Removed + well  
to meet current code  
requirements.

APPROVED

McHenry County Dept. of Health

Staff: \_\_\_\_\_

Date: 10-30-06

Permit #: 06-0042

Comp. #: 300870

HEALTH INSPECTION COPY

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P.I.N. \_\_\_\_\_ PERMIT # \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

LOT/S # \_\_\_\_\_ BLOCK # \_\_\_\_\_ SUBDIVISION \_\_\_\_\_ UNIT # \_\_\_\_\_

ADDRESS \_\_\_\_\_

# Well and Septic Permit Application

Remember - Use the **Tab Key** and the **Application Date is Required!**

**Environmental Permit Number**

**Onbase Permit Number**

**Application Date**

**New Well**

**Owner / Applicant**

**Replace Well**

**Parcel Street Address**

**Repair Well**

**Parcel City**

**Abandon Well**

**Parcel Pin Number**

**New Septic**

**Lot**

**Replace Septic**

**Subdivision**

**Repair Septic**

**Septic Installer Name**

**Abandon Septic**

**Septic Engineer**

**Accessory Structure**

**Well Driller**

**FEE \$**

**Zoning**

**Inc. City/Village**

**Residential or Commercial**

**Variance**

# Well and Septic Permit Application

Remember - Use the Tab Key and the Application Date is Required!

Environmental Permit Number

Onbase Permit Number

Application Date

New Well

Owner / Applicant

Replace Well

Parcel Street Address

Repair Well  *was NO*

Parcel City

Abandon Well  *YES*

Parcel Pin Number

New Septic

Lot

Replace Septic

Subdivision

Repair Septic

Septic Installer Name

Abandon Septic

Septic Engineer

Accessory Structure

Well Driller

FEE \$

Zoning

Inc. City/Village

Residential or Commercial

Variance

McHENRY COUNTY DEPARTMENT OF HEALTH  
McHENRY COUNTY GOVERNMENT CENTER  
2200 N SEMINARY AVENUE – ROUTE 47 N.  
WOODSTOCK IL 60098  
TELEPHONE 815-334-4510  
FAX 815-338-7661  
[www.mcdh.info](http://www.mcdh.info)

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Woodstock, Illinois

Roger McGregor  
Algonquin, IL

Virginia Peschke  
Woodstock, Illinois

Public Health Administrator  
Patrick J. McNulty

October 30, 2006

RICHARD CLEMENTS  
4172 BULLVALLEY RD  
MCHENRY IL 60050

RE: Permit #06-0642, 1207 S Crystal Lake Rd, McHenry, IL

Dear Owner:

The permit for a well repair and septic abandonment has just been approved by the McHenry County Department of Health. This permit is good for a period of one (1) year from date of issuance.

The well must be repaired by a Licensed Water Well Driller. Also a representative from our Department must go onsite to do an inspection of the well once it is completed. The Department also requires a satisfactory water sample prior to sign off on the permit.

The septic tank must be pumped out by a licensed septic pumper. A wall and base of the tank must be collapsed then filled in with porous granular material or pea gravel. If the tank is removed from the ground, the excavation shall be filled with soil. An inspection must be made from this Department to verify that the tank has been filled in.

Any questions, please feel free to contact me at this Department.

Regards,



Daniel E. Guif  
Water Well Specialist

**MCDH**

McHenry County Department of Health  
WELL AND/OR SEPTIC PERMIT APPLICATION

Phone: 815-334-4585

Fax: 815-334-4637



Owner/Applicant: Dennis Daly / RICHARD CLEMENTS

CONCRETE MATERIAL RECOVERY, 4172 BULLVALLEY RD -

Owner/Applicant Mailing Address: P.O. BOX

McHenry, IL 60050

Office Use Only:	
Permit Number:	<u>06-0642</u>
Staff Initials:	<u>RP</u>
Fee Collected:	<u>200-</u>
Application Date:	<u>10/10/06</u>

Owner City: P.O. Box 241 Gurnee

Project Site Address: 1207 S Crystal Lake Rd

Owner State & Zip: IL 60031

Project Site City & Zip: McHenry, IL Gurnee

Phone Number: ~~815-376-2188~~  
815-376-2188 CA

Parcel Pin Number: \_\_\_\_\_

Fax Number: 815-344-7772

Subdivision: \_\_\_\_\_

Lot Number: \_\_\_\_\_

Circle One: Incorporated Unincorporated

Circle One: Residential Property Non-Residential Property

**PERMIT CATEGORY \***  
(Circle All That Apply)

<input type="checkbox"/> New Well	<input type="checkbox"/> New Septic
<input type="checkbox"/> Replacement Well	<input type="checkbox"/> Replacement Septic
<input checked="" type="checkbox"/> <u>Repair Well</u>	<input type="checkbox"/> Repair Septic
<input type="checkbox"/> Abandon Well	<input checked="" type="checkbox"/> <u>Abandon Septic</u>
<input type="checkbox"/> Accessory Structure	<input type="checkbox"/> Variance

Well Driller: Snatch & Sons Well Drilling

Septic Contractor Name: Raycraft Septic

Septic Designer: \_\_\_\_\_

\* Fee Schedule on Back

Circle One: Permit to be - Picked Up or Mailed

Applicant Signature: Richard Clements

Date: 10-10-06



APPLICATION FOR PERMIT TO CONSTRUCT, MODIFY OR ABANDON A WATER WELL

DO NOT SEND CASH

PERMIT FEE: \$ 100

Local Health Department <u>MCHENRY COUNTY DEPT. OF HEALTH</u>	FOR OFFICIAL USE ONLY  TYPE OR PLACE LABEL WITH NEEDED INFORMATION
Address <u>2200 N. SEMINARY AVE.</u>	
City/State/Zip Code <u>WOODSTOCK, IL. 60098</u>	
Phone Number _____ Fax Number _____	

If this box is checked, the permitting authority plans to complete a comprehensive inspection and shall be notified of any scheduling changes.

Owner <u>DALY LTD. PARTNERSHIP</u>	Owner Phone Number _____
Mailing Address <u>P.O. BOX 341</u>	Owner Fax Number _____
City <u>GURNEE</u> State <u>IL.</u> Zip Code <u>60031</u>	

Well Site: Property Address 1207 S. CRYSTAL LAKE RD. Township Name NUNDA

City MCHENRY Zip Code 60050 County Property Identification # 14-09-100-001

County MCHENRY Subdivision ACRES & BOUNDS Lot # \_\_\_\_\_

Township 44N Range 8E Section 9 NE 1/4 of the NW 1/4 of the NW 1/4

Directions to the Site SOUTH OF BULL VALLEY RD ON WEST SIDE OF CRYSTAL LAKE RD.

WATER WELL INFORMATION

Permit To:  Construct  Deepen  Repair Seal well type:  Dug  Driven  Bored  Drilled

for a:  A. Private Well  B. Semi-Private Well  C. Non-Community Well  D. Non-Potable Well

use:  Residential  Commercial  Livestock  Irrigation  Other \_\_\_\_\_

Complete if B or C checked: Number of people served \_\_\_\_\_ Type of facility \_\_\_\_\_

(If C is checked, an application For Permit to Construct, Alter or Extend a Non-Community Public Water Supply must be submitted.)  
 Check if anticipated pumping capacity is greater than 100,000 gallons per day.

WELL CONSTRUCTION OR ABANDONMENT INFORMATION

1. If well log is available, attach the log to this form.
2. If well log is not available, well must be sealed from bottom to top.

Borehole: Size (in/ft) \_\_\_\_\_ depth (ft) \_\_\_\_\_ Size (in/ft) \_\_\_\_\_ depth (ft) \_\_\_\_\_

Aquifer:  Sand & Gravel  Limestone  Sandstone  Other \_\_\_\_\_

Casing: Type \_\_\_\_\_ Size (in/ft) \_\_\_\_\_ Estimated Amount (ft) \_\_\_\_\_

Liner: Type \_\_\_\_\_ Size (in/ft) \_\_\_\_\_ Estimated Amount (ft) \_\_\_\_\_

Top of Liner (ft) \_\_\_\_\_ Type Seal \_\_\_\_\_ Bottom of Liner (ft) \_\_\_\_\_ Type Seal \_\_\_\_\_

Existing water well on property?  Yes  No Will it be used?  Yes  No Is it to Code?  Yes  No

Existing well to be sealed:  Well in building Well in pit  Pit retained Pit eliminated by:  Contractor  Owner

Is well free of obstruction?  Yes  No If No, at what depth is obstruction? \_\_\_\_\_ ft

FOR OFFICIAL USE ONLY		Construction Permit Number
	<u>10-30-06</u>	<u>11</u> / <u>0642</u> / <u>06</u>
		FIPS Code Number Year
Approved by	Date	Sealing Permit Number
		____ / ____ / ____
		FIPS Code Number Year



**APPLICATION FOR PERMIT TO CONSTRUCT, MODIFY OR ABANDON A WATER WELL**

**ATTACH A SHEET WITH DIAGRAM OF WELL SITE SHOWING DIMENSIONS**

Furnish septic system plot or draw the proposed construction site with dimensions showing the water well, direction of slope, distances to buildings and property lines, sewer lines, all septic system components including septic tanks and seepage fields, and other sources of contamination, e.g., abandoned wells, storm water dry wells and underground storage tanks. Indicate distance to community water supply, if available. If there is an existing well on the property, indicate location and status.

**WATER WELL PUMP INFORMATION**

Pump Type \_\_\_\_\_ Capacity \_\_\_\_\_ gpm Storage/Pump Cycle \_\_\_\_\_ gallons

**WORK SCHEDULE\***

Estimated scheduled date to start work on water well (MM/DD/YR): ASAP

**\*NOTE:**

*Illinois Water Well Construction Code, Section 920.130 g) Notification. Any person who contracts or deepens a water well for which a permit has been issued under this Part, shall notify the Department, or approved local health department, or approved unit of local government by telephone or in writing at least two days prior to commencement of the work.*

**LICENSED CONTRACTOR CERTIFICATION**

I certify that the attached information is complete and correct and that the work will conform to the current Illinois Water Well Construction Code and to the current Illinois Water Well Pump Installation Code.

**Licensed Water Well Contractor**

JEFF SNETEN \_\_\_\_\_ 102-004256 \_\_\_\_\_  
 Print Name of Licensed Water Well Contractor License Number

25000 S. OLD RAND RD. \_\_\_\_\_ WAUCONDA, IL. 60084 \_\_\_\_\_  
 Address City, State, Zip Code

847-526-3500 \_\_\_\_\_ 847-381-0048 \_\_\_\_\_  
 Office Phone Number Fax Number

Jeffrey A. Sneten \_\_\_\_\_ 10-27-06 \_\_\_\_\_  
 Signature Licensed Water Well Contractor / Property Owner Date

**Licensed Water Well Pump Installation Contractor**

JEFF SNETEN \_\_\_\_\_ 102-004256 \_\_\_\_\_  
 Print Name of Licensed Water Well Pump Installation Contractor License Number

25000 S. OLD RAND RD. \_\_\_\_\_ WAUCONDA, IL. 60084 \_\_\_\_\_  
 Address City, State, Zip Code

847-526-3500 \_\_\_\_\_  
 Office Phone Number Fax Number

Jeffrey A. Sneten \_\_\_\_\_ 10-27-06 \_\_\_\_\_  
 Signature Licensed Water Well Pump Installation Contractor / Property Owner Date

**COPIES**

**THREE COPIES ARE RETURNED TO THE LOCAL HEALTH DEPARTMENT WHERE THE PERMIT IS ISSUED**  
 One copy is retained by the health department where the permit is issued  
 One copy of the approved application is sent to Illinois State Water Survey  
 One copy is sent to the water well contractor

**IMPORTANT NOTICE**

This state agency is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under Public Act 85-0863. Disclosure of the information is mandatory. This form has been approved by the Forms Management Center

**MCHENRY COUNTY HEALTH DEPARTMENT - ENVIRONMENTAL DIVISION  
2200 NORTH SEMINARY - NORTH ROUTE 47  
WOODSTOCK, IL 60098 - 815-334-4585 FAX# 815-338-7661**

**MEMORANDUM**

**RE:** PERMIT 06-0642 **DATE:** October 24, 2006  
**FROM:** Danel E. Guif, Field Staff Supervisor  
**SUBJECT:** Permit To Abandon Septic  
**LOCATION:** 1207 S Crystal Lake Rd., McHenry, IL.

**TO:** **CORNERSTONE MATERIAL RECOVERY**  
**4172 BULL VALLEY RD**  
**MCHENRY IL 60050**

**THE DEPARTMENT HAS REVIEWED THE ABOVE REFERENCED FILE FOR COMPLIANCE WITH ARTICLES IX AND X OF THE PUBLIC HEALTH ORDINANCE FOR MCHENRY COUNTY. THE FOLLOWING ITEMS MUST BE ADDRESSED:**

The well will be allowed to remain once the following items are addressed:

1. Apply for permit to repair well.
2. Contract with a Licensed Water Well Driller to bring well into current standards. (Install an approved well cap, demolish well house, install a yard hydrant or buried tank that meets code requirements, raised casing to a minimum of 8 inches above grade, remove surface lines running next to well, if there is a well pit that must be abandoned).

RICHARD CLEMENTS  
CORNERSTONE MATERIAL Recovery, Inc.  
4172 BULLVALLEY RD.  
McHENRY, IL. 60050

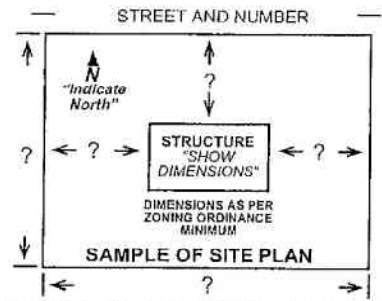
We are requesting that the well at 3208 Franklinville Rd.  
& 1207 S. Crystal Lake Rd. be left in tact. Dennis Harms  
(Harms) uses site to store farm equipment + keep plants and requested  
the well be kept to water plants. The Franklinville  
Rd well is only 10 years old and we are trying to get a  
buyer for lots to rebuild. We should know by the time  
we begin to demolish building if sale will work out.  
we have to apply for a variance for set back.

thank you,

Richard Clements

# SITE PLAN

- Parcel stakes *must* be visible
- Show *all* structures existing on parcel at present time (incl. well & septic)
- Note if your facility is *existing* or *proposed*
- Note parcel size and building location
- Indicate *north* direction
- Indicate *all* adjacent roads/streets (both improved & unimproved)

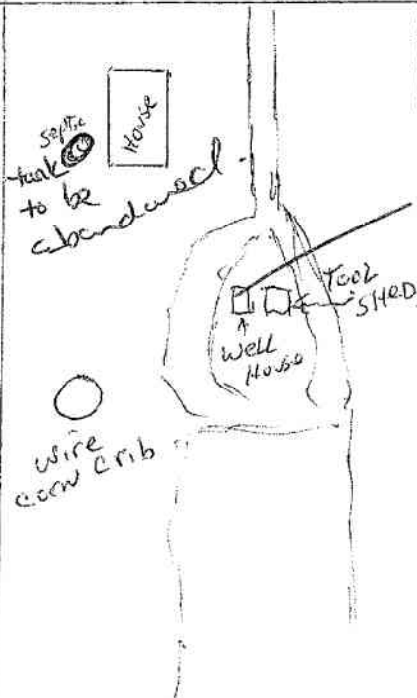


**ALL SETBACKS ARE MEASURED FROM THE OVERHANG TO THE PROPERTY LINE!**

SKETCH YOUR SITE PLAN BELOW - SUPPLY COMPLETE INFORMATION  
LOCATE BUILDINGS ON PARCEL BY DIMENSIONS TO PARCEL LINES - NOTE ABOVE SKETCH

1207 S CRYSTAL LAKE RD.

PUMP, CRACK AND FILL  
OR PUMP AND REMOVE  
EXISTING TREATMENT UNIT(S)



Well house to be  
Removed + well  
to meet current code  
requirements

APPROVED

McHenry County Dept. of Health:

Staff: \_\_\_\_\_

Date: \_\_\_\_\_

Permit #: \_\_\_\_\_

Comp. #: \_\_\_\_\_

10-30-06  
06-0042  
3008170

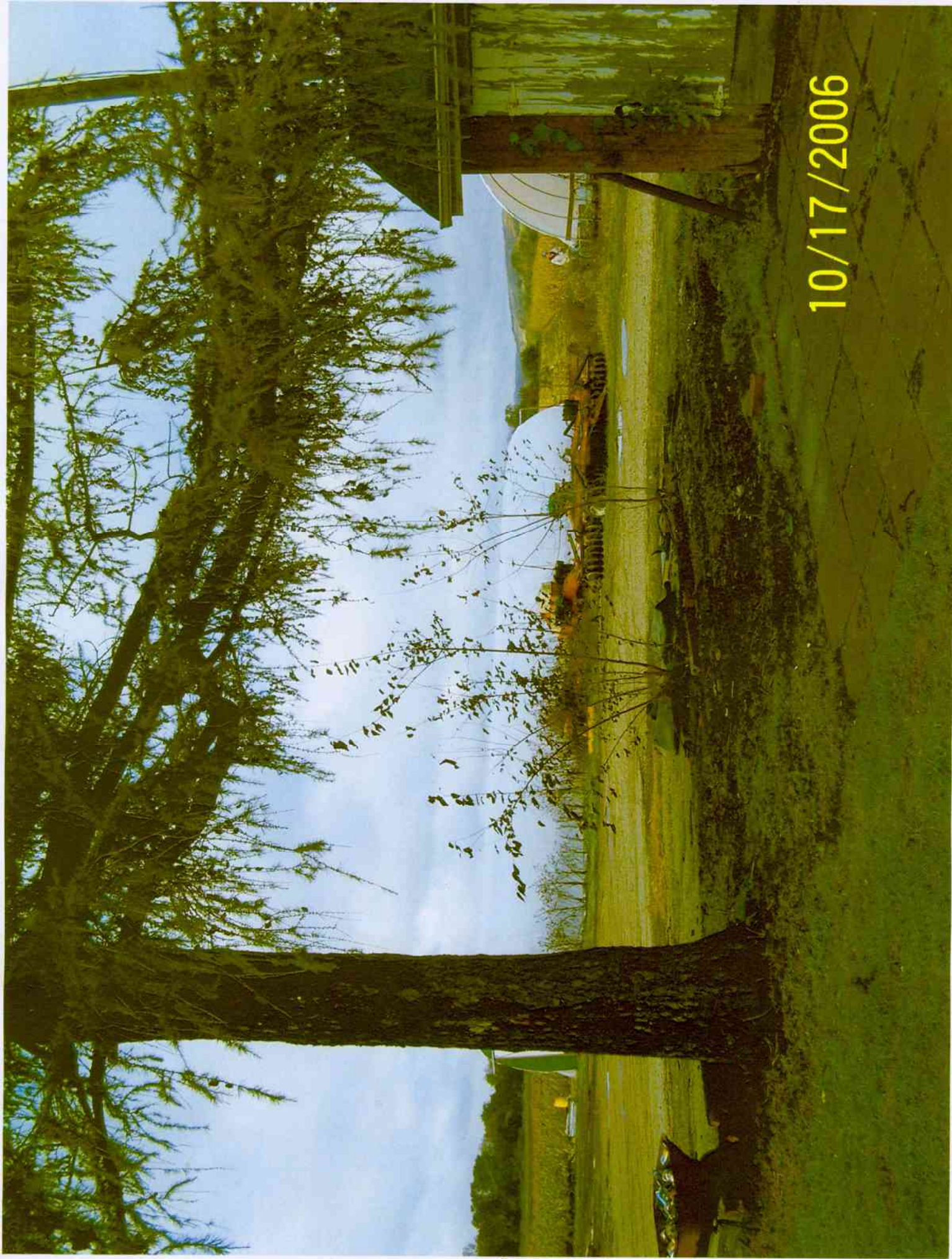
**NOTE:** FRAUDULANT MISREPRESENTATIONS ON THE SITE PLAN MAY RESULT IN FORFEITURE OF ANY PERMIT ISSUED BY MCHENRY COUNTY PURSUANT TO A REVIEW OF THE APPLICATION.

**NO INSPECTIONS UNTIL CULVERT IS INSTALLED AND ACCESS TO SITE IS AVAILABLE**

P.I.N. \_\_\_\_\_ PERMIT # \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

LOT/S # \_\_\_\_\_ BLOCK # \_\_\_\_\_ SUBDIVISION \_\_\_\_\_ UNIT # \_\_\_\_\_

ADDRESS \_\_\_\_\_



10/17/2006



10/17/2006

AI-1642 100172

10/17/2006





10/17/2006



10/17/2006



10/17/2006



10/17/2006



## **Appendix O**

### ***ERIS Database Report***



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# DATABASE REPORT

**Project Property:** 2025282  
+/- 35 Acres West of S. Crystal Lake Road  
McHenry IL 60050

**Project No:** 2025282

**Report Type:** Database Report

**Order No:** 25110700194

**Requested by:** Stateline Environmental Consulting  
Services, Inc.

**Date Completed:** November 11, 2025

**Environmental Risk Information Services**

A division of Glacier Media Inc.

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

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## **Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY**

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# Executive Summary

## Property Information:

**Project Property:** 2025282  
+/- 35 Acres West of S. Crystal Lake Road McHenry IL 60050

**Project No:** 2025282

### **Coordinates:**

**Latitude:** 42.31081133  
**Longitude:** -88.31715346  
**UTM Northing:** 4,685,126.18  
**UTM Easting:** 391,448.01  
**UTM Zone:** 16T

**Elevation:** 817 FT

## Order Information:

**Order No:** 25110700194  
**Date Requested:** November 7, 2025  
**Requested by:** Stateline Environmental Consulting Services, Inc.  
**Report Type:** Database Report

## Historicals/Products:

**ERIS Xplorer** [ERIS Xplorer](#)  
**Excel Add-On** Excel Add-On  
**Fire Insurance Maps** US Fire Insurance Maps

# Executive Summary: Report Summary

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
<b><u>Standard Environmental Records</u></b>								
<b>Federal</b>								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

<b>Database</b>	<b>Searched</b>	<b>Search Radius</b>	<b>Project Property</b>	<b>Within 0.12mi</b>	<b>0.125mi to 0.25mi</b>	<b>0.25mi to 0.50mi</b>	<b>0.50mi to 1.00mi</b>	<b>Total</b>
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
<b>State</b>								
SSU	Y	1	0	0	0	0	0	0
DELISTED SSU	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
SWF/LF SPECIAL	Y	0.5	0	0	0	0	-	0
NIPC	Y	0.5	0	0	0	0	-	0
CCDD	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	0	-	0
LUST DOCUMENT	Y	0.5	0	0	0	0	-	0
DELISTED LUST	Y	0.5	0	0	0	0	-	0
LUST TRUST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
AST	Y	0.25	0	1	0	-	-	1
DELISTED TANK	Y	0.25	0	0	0	-	-	0
ENG	Y	0.5	0	0	0	0	-	0
INST	Y	0.5	0	0	0	0	-	0
AUL	Y	0.5	0	0	0	0	-	0
SRP	Y	0.5	0	0	0	0	-	0
REM ASSESS	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
BROWN MBRGP	Y	0.5	0	0	0	0	-	0
<b>Tribal</b>								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0

**County**

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

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
<b>Additional Environmental Records</b>								
<b>Federal</b>								
PFAS GHG	Y	0.5	0	0	0	0	-	0
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
PFAS ERNS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0



## Executive Summary: Site Report Summary - Project Property

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

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

## Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<a href="#">1</a>	AST	Verizon Wireless	1207 CRYSTAL LAKE Road North MCHENRY IL 60050 <i>Type / Tank:</i> Tank - Above Ground Bulk Generator   TANK#1-190	ENE	0.03 / 134.22	-8	<a href="#">16</a>

## Executive Summary: Summary by Data Source

### **Standard**

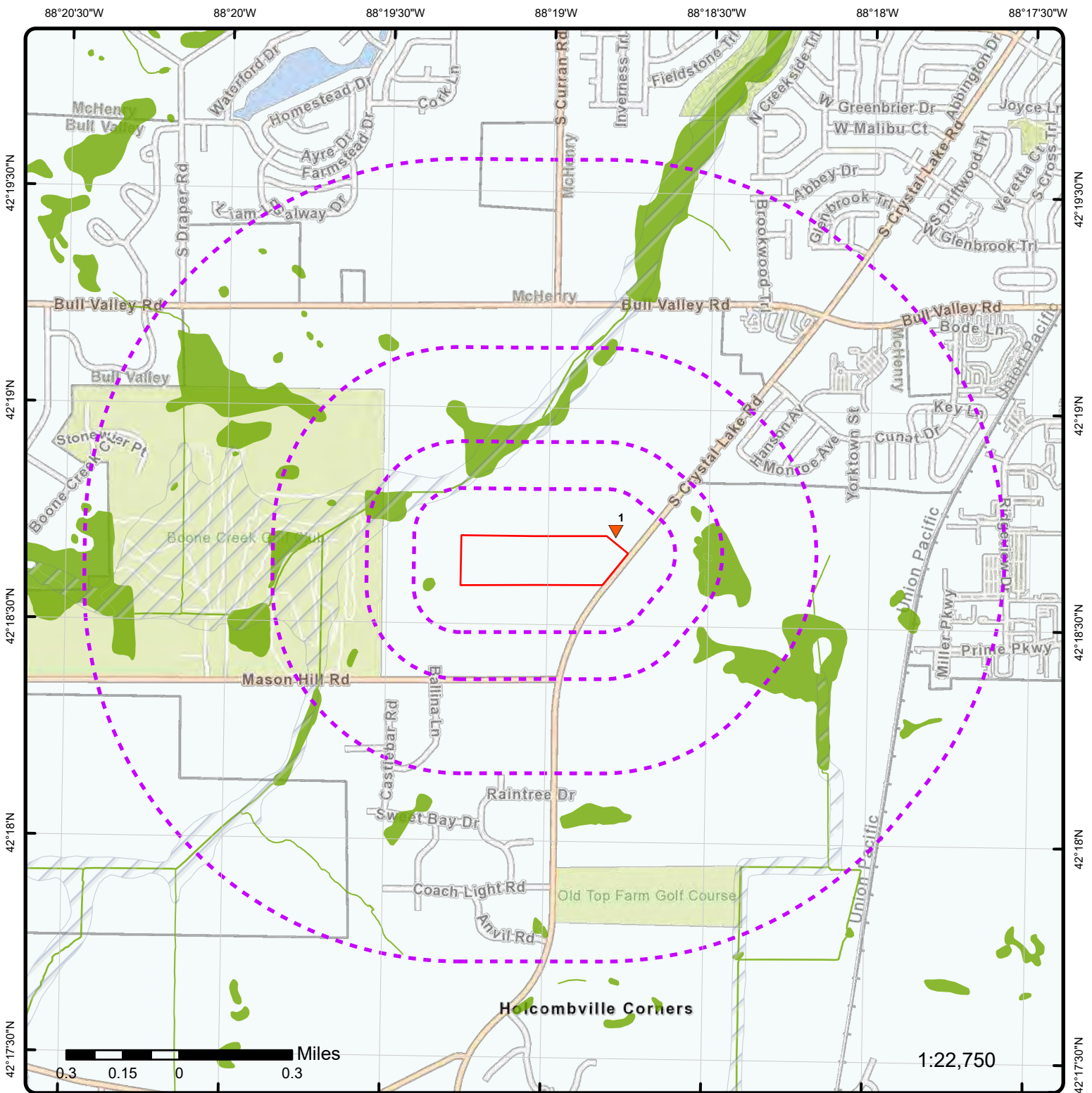
### **State**

#### **AST - Aboveground Storage Tanks (AST)**

A search of the AST database, dated Jun 30, 2025 has found that there are 1 AST site(s) within approximately 0.25miles of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
Verizon Wireless	1207 CRYSTAL LAKE Road North MCHENRY IL 60050	ENE	0.03 / 134.22	<a href="#">1</a>

**Type / Tank:** Tank - Above Ground Bulk Generator | TANK#1-190



### Map: 1.0 Mile Radius

Order Number: 25110700194

Address: +/- 35 Acres West of S. Crystal Lake Road, McHenry, 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)



**Map: 0.5 Mile Radius**

Order Number: 25110700194

Address: +/- 35 Acres West of S. Crystal Lake Road, McHenry, 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)

88°19'30"W

88°19'W

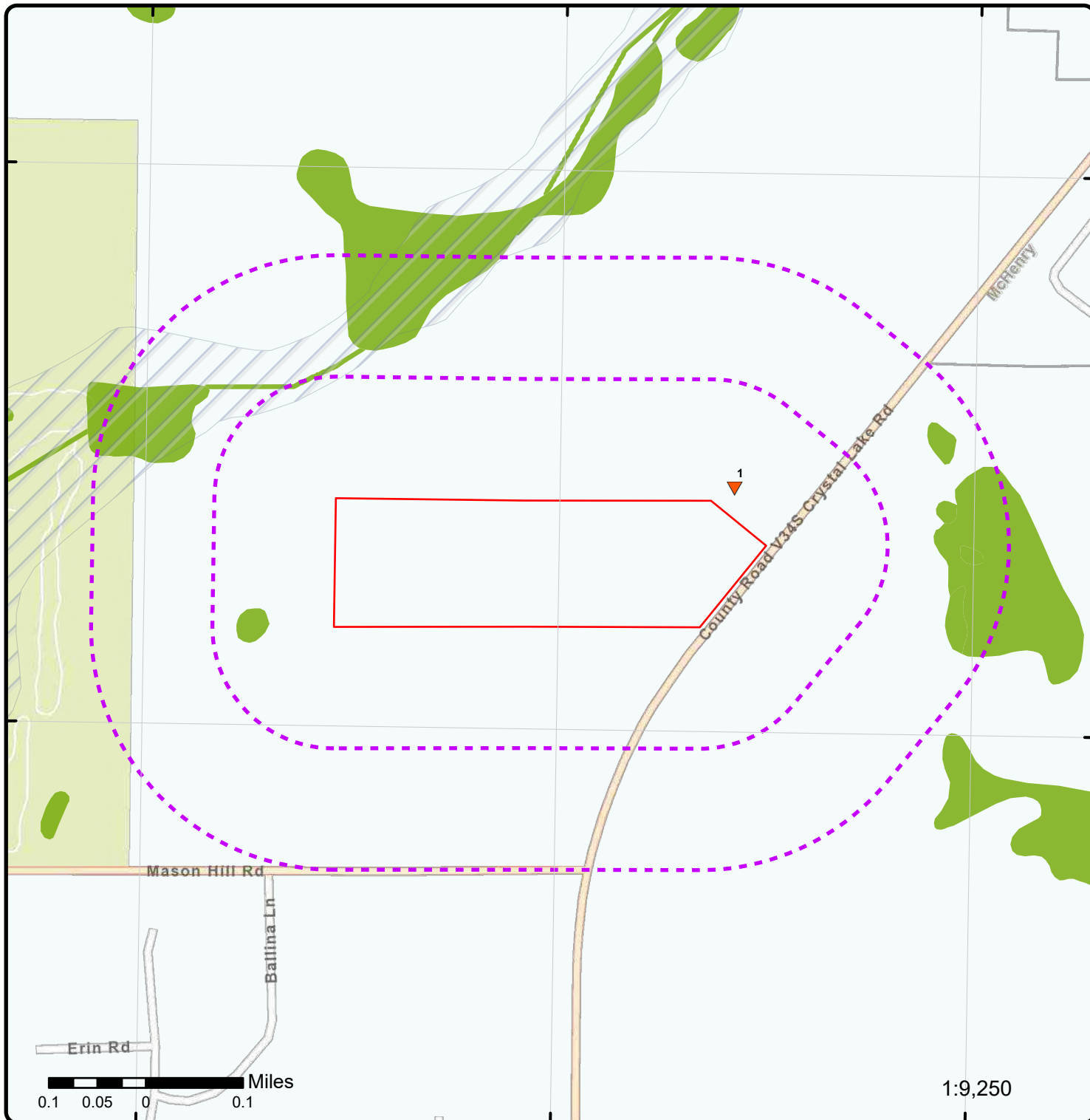
88°18'30"W

42°19'N

42°19'N

42°18'30"N

42°18'30"N



### Map: 0.25 Mile Radius

Order Number: 25110700194

Address: +/- 35 Acres West of S. Crystal Lake Road, McHenry, 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 PRIORITYS List (Active, Delisted, Proposed, Institutional Control)

88°19'30"W

88°19'W

88°18'30"W

42°19'N

42°19'N

42°18'30"N

42°18'30"N



1:10,000

Vantor

**Aerial** Year: 2024

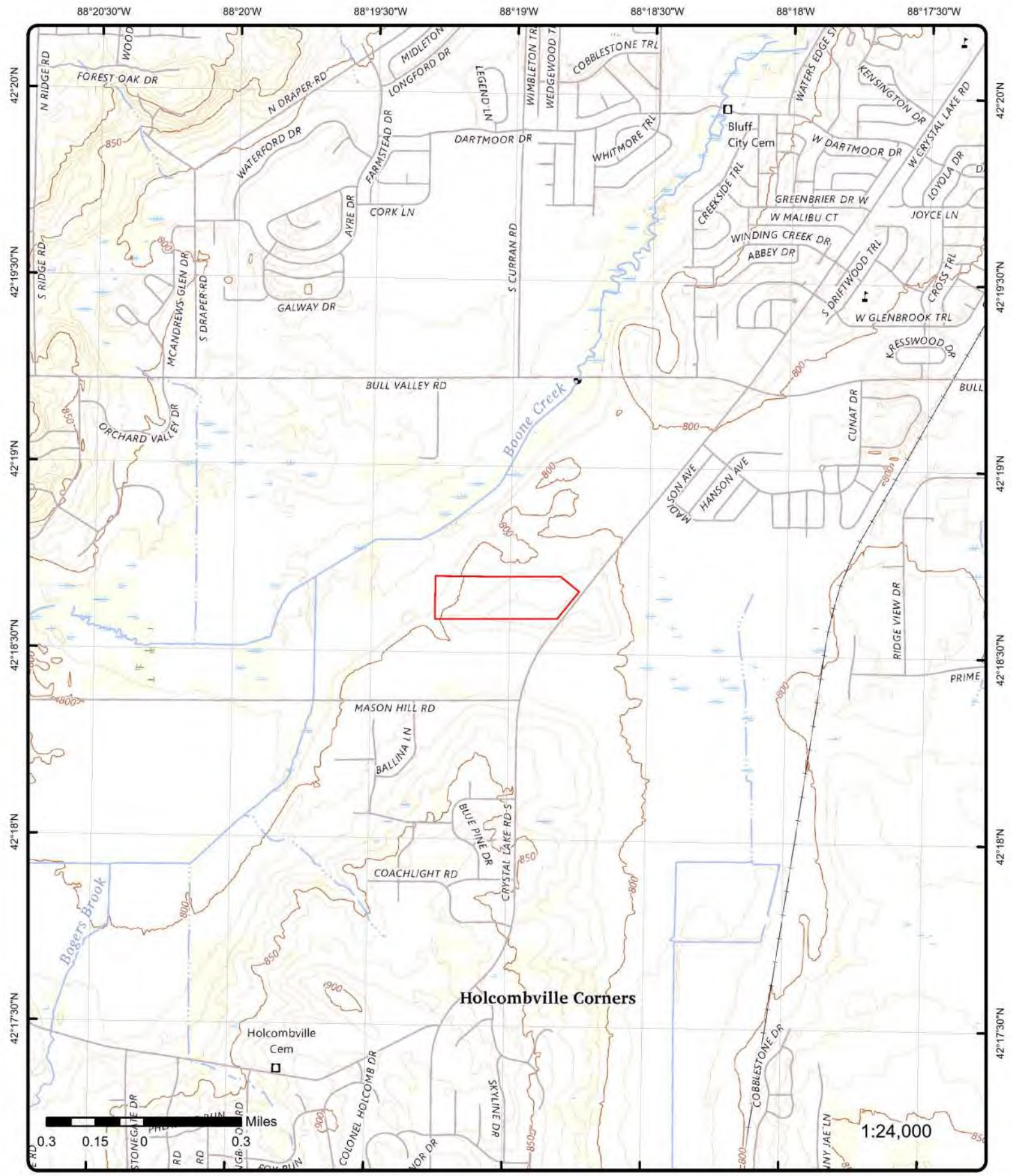
Order Number: 25110700194

**Address: +/- 35 Acres West of S. Crystal Lake Road, McHenry, IL**



Source: ESRI World Imagery

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**Topographic Map**

Year: 2024

Order Number: 25110700194

Address: +/- 35 Acres West of S. Crystal Lake Road, IL



Quadrangle(s): McHenry IL

© ERIS Information Inc.

Source: USGS Topographic Map

# Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>1</u>	1 of 1	ENE	0.03 / 134.22	809.21 / -8	Verizon Wireless 1207 CRYSTAL LAKE Road North MCHENRY IL 60050	AST

<b>Type:</b>	Tank - Above Ground Bulk Generator	<b>Date:</b>	11/6/17
<b>NOVs:</b>	2 NOVs	<b>Inspector:</b>	F.Richter
<b>Tank 2:</b>		<b>Row:</b>	156
<b>Occupant 2:</b>		<b>Section:</b>	MJ
<b>Occupancy No:</b>	MJ-059-1508445475817		
<b>Occupant Type:</b>	059 - ABOVE GROUND BULK STORAGE		
<b>Tank:</b>	TANK#1-190		
<b>Building:</b>			
<b>Location Comment:</b>			

# Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
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No unplottable records were found that may be relevant for the search criteria.

# Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

## 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

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, 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. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Currently on the Final NPL (F)' and/or the 'Site is Part of NPL Site (A)'. These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Sep 6, 2025**

##### **National Priority List - Proposed:**

PROPOSED NPL

Sites proposed by the U.S. 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 represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Sep 6, 2025**

##### **Deleted NPL:**

DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). 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 represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Sep 6, 2025**

**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: Jun 26, 2025**

**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: Jun 26, 2025**

**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: Sep 1, 2025**

**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: Sep 1, 2025**

**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. This list also includes RCRAInfo sites that have notified as LQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

**Government Publication Date: Sep 1, 2025**

**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. This list also includes RCRAInfo sites that have notified as SQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

**Government Publication Date: Sep 1, 2025**

**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: Sep 1, 2025**

**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: Sep 1, 2025**

**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: Sep 1, 2025**

**Federal Engineering Controls-ECs:**

[FED ENG](#)

List of Engineering controls (ECs) made available 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: Sep 29, 2025**

**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: Sep 29, 2025**

**Land Use Controls Information System:**

LUCIS

The Land Use Controls Information System (LUCIS) database is sourced from the U.S. Department of the Navy (DON). This data contains information for former Base Realignment and Closure (BRAC) properties across the United States. DON's BRAC office was tasked with tracking certain base closures while requiring the prevention of risks to human health and the environment of those properties with LUCs in place. Regarding currently available LUC Sites data, the sites listing is limited to centroid point locations for the overall installation property boundaries. Formerly obtained LUC Sites data may reflect site details that applied previously for a BRAC property.

**Government Publication Date: Jun 13, 2024**

**Institutional Control Boundaries at NPL sites:**

NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes 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. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

**Government Publication Date: Sep 6, 2025**

**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: Sep 7, 2025**

**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: Sep 8, 2025**

**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: Oct 31, 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 Oak Ridge National Laboratory 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 5, 2025**

**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: Jun 26, 2025**

**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: Jul 29, 2025**

**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 serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

**Government Publication Date: Jan 16, 2025**

**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: Jan 16, 2025**

**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**

NIPC

**Northeastern Illinois:**

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: Jul 1, 2025**

**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: Aug 6, 2025**

**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: Jun 20, 2025**

**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: Aug 6, 2025**

**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: Jun 18, 2025**

**Aboveground Storage Tanks (AST):**

AST

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

**Government Publication Date: Jun 30, 2025**

**Delisted Storage Tanks:**

DELISTED TANK

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

**Government Publication Date: Aug 6, 2025**

**Sites with Engineering Controls:**

ENG

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

**Government Publication Date: Oct 9, 2025**

**Institutional Controls:**

INST

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

**Government Publication Date: Oct 9, 2025**

**Environmental Covenants Registry:**

AUL

According to the Illinois Environmental Protection Agency (Illinois EPA), the Illinois Uniform Environmental Covenants Act (UECA) (765 Illinois Compiled Statutes (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: Apr 3, 2025**

**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). The SRP database is made available by the Illinois Environmental Protection Agency (IEPA).

**Government Publication Date: Oct 9, 2025**

**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: Jun 20, 2025**

**Brownfields Redevelopment Assessment Database:**

BROWNFIELDS

This listing of Brownfields Redevelopment Assessment sites is provided by the Illinois Environmental Protection Agency's (IL EPA) Bureau of Land. Brownfields are abandoned or under-utilized industrial and commercial properties with actual or perceived contamination and an active potential for redevelopment. The IL EPA Remedial Project Management Section (RPMS) manages the Brownfields loan programs and offers technical support to communities through the services of its Brownfields Representatives.

**Government Publication Date: Jun 30, 2025**

**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).

**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).

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 22, 2025

**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 22, 2025

**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 (EPA) Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO<sub>2</sub>e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. This dataset is sourced from the EPA's PFAS Analytic Tools, and it includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified as PFAS based on EPA's CompTox Chemicals Dashboard lists of PFAS with defined and undefined structures. 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. Note that some regulatory programs have specified chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard.

Government Publication Date: Oct 7, 2025

**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: Oct 8, 2025

**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: Oct 10, 2025

**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**

**PFOA/PFOS Contaminated Sites:**

[PFAS NPL](#)

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

**Government Publication Date: Sep 26, 2025**

**Federal Agency Locations with Known or Suspected PFAS Detections:**

[PFAS FED SITES](#)

This list of federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS) is made available by the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools data. The EPA outlines that these data are gathered from several federal entities, such as the federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration (NASA), Department of Transportation (DOT), and Department of Energy (DOE). The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2025 per agency entity dataset. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

**Government Publication Date: May 30, 2025**

**SSEHRI PFAS Contamination Sites:**

[PFAS SSEHRI](#)

This PFAS Contamination Site Tracker database is compiled by the PFAS Project Lab, part of the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map by the PFAS-REACH team, credited to PFAS Project Lab, Silent Spring Institute, and PFAS Exchange. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: <https://pfasproject.com/pfas-sites-and-community-resources/>

**Government Publication Date: Aug 1, 2025**

**National Response Center PFAS Spills:**

[PFAS ERNS](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam," "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

**Government Publication Date: Sep 1, 2025**

**PFAS NPDES Discharge Monitoring:**

[PFAS NPDES](#)

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharged to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

**Government Publication Date: Dec 16, 2024**

**Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:**

[PFAS TRI](#)

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

**Government Publication Date: Sep 20, 2023**

**PFAS Water Quality Portal Sampling Data:**

[PFAS WATER](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

**Government Publication Date: Jul 21, 2025**

**PFAS TSCA Manufacture and Import Facilities:**

[PFAS TSCA](#)

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

**Government Publication Date: Jan 5, 2023**

**PFAS Waste Transfers from RCRA e-Manifest:**

[PFAS E-MANIFEST](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

**Government Publication Date: Oct 4, 2025**

**PFAS Industry Sectors:**

[PFAS IND](#)

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

**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 28, 2025

**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: Sep 29, 2025

**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: May 3, 2025**

**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. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

**Government Publication Date: Jul 19, 2025**

**Delisted Drycleaner Facilities:**

DELISTED FED DRY

List of sites which once appeared on - and have since been removed from - the list of drycleaner facilities included in Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.

**Government Publication Date: Jul 19, 2025**

**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: Jul 10, 2025**

**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: Aug 8, 2025**

**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, Title 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 1, 2025**

**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: Sep 26, 2025**

**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**

**Power Plants:**

POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

**Government Publication Date: Jun 5, 2025**

**Historical Business Activity Risk:**

HIST RISK

Proprietary list of sites identified as potentially having engaged in business activity that poses a higher-than-normal risk of contamination. Records originate from historical city directories, and are included in this list based on broad business categories Potentially Hazardous Chemical Users and Fuel and Automotive, including but not limited to Dry Cleaners and Fuel Stations, Garages, etc. Inclusion in this listing does not indicate that there is or ever has been contamination; rather, sites are included in this list due to their potential for having engaged in a business activity presenting an elevated risk of contamination. The list was compiled from various city directories including Polks, Millers, Mullin Kille, Interstate Directory, and State Directory Co; spanning roughly 1920s through 1960 depending on information available by city.

**Government Publication Date: Jan 1, 1960**

**State**

**Spills and Incidents:**

SPILLS

This listing of hazardous materials spill/incident reports is sourced from the Illinois Emergency Management Agency (IEMA)

**Government Publication Date: Jun 20, 2025**

**Emergency Response Releases & Spills Database:**

[SPILL OER](#)

The Illinois Environmental Protection Agency's (IEPA) Office of Emergency Response (OER) maintains this Emergency Response Releases & Spills Database. The Emergency Operations Unit (EOU), within OER, coordinates IEPA'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: Jul 10, 2025**

**PFAS Spill Sites:**

[PFAS SPILLS](#)

A specific list of spill/incident reports from the Illinois Emergency Management Agency (IEMA) where the hazardous material involved in the spill/incident is identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA).

**Government Publication Date: Jul 10, 2025**

**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 administered by Illinois Environmental Protection Agency (IEPA).

**Government Publication Date: Jul 7, 2025**

**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 7, 2025**

**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: Mar 17, 2025**

**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: Jun 20, 2025**

**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: Jun 27, 2025*

**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.



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 10101 Hillwood Parkway  
 Fort Worth, TX 76177

Aeronautical Study No.  
 2025-AGL-15395-OE

Issued Date: 12/23/2025

MCHENRY SOLAR FARM LLC  
 SURYA POWERED DEVELOPMENT TEAM  
 141 w jackson BLVD STE 1692  
 Chicago, IL 60605

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Solar Panel McHenry Solar Farm LLC  
 County, State: McHenry, Illinois

Collected Point(s):

Label	Latitude	Longitude	SE	DET AGL	AMSL
NE Point	42-18-35.82N	88-18-50.34W	823 Ft	20 Ft	843 Ft
NW Point	42-18-40.27N	88-18-45.15W	815 Ft	20 Ft	835 Ft
SW Point	42-18-43.06N	88-19-16.18W	783 Ft	20 Ft	803 Ft
SE Point	42-18-36.11N	88-19-15.24W	798 Ft	20 Ft	818 Ft

In accordance with the provisions of 49 USC 44718 and as applicable 10 USC 183A, this aeronautical study was sent to the Military Aviation and Installation Assurance Clearinghouse established by the Secretary of Defense for review. The results of that review resulted in a finding of no risk to national security.

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M Change 1.

This determination expires on 06/23/2027 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within

6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

**NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.**

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at 1-816-329-2525, or [natalie.schmalbeck@faa.gov](mailto:natalie.schmalbeck@faa.gov). On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2025-AGL-15395-OE.

**Signature Control No: 685694341-687998435**

( DNE )

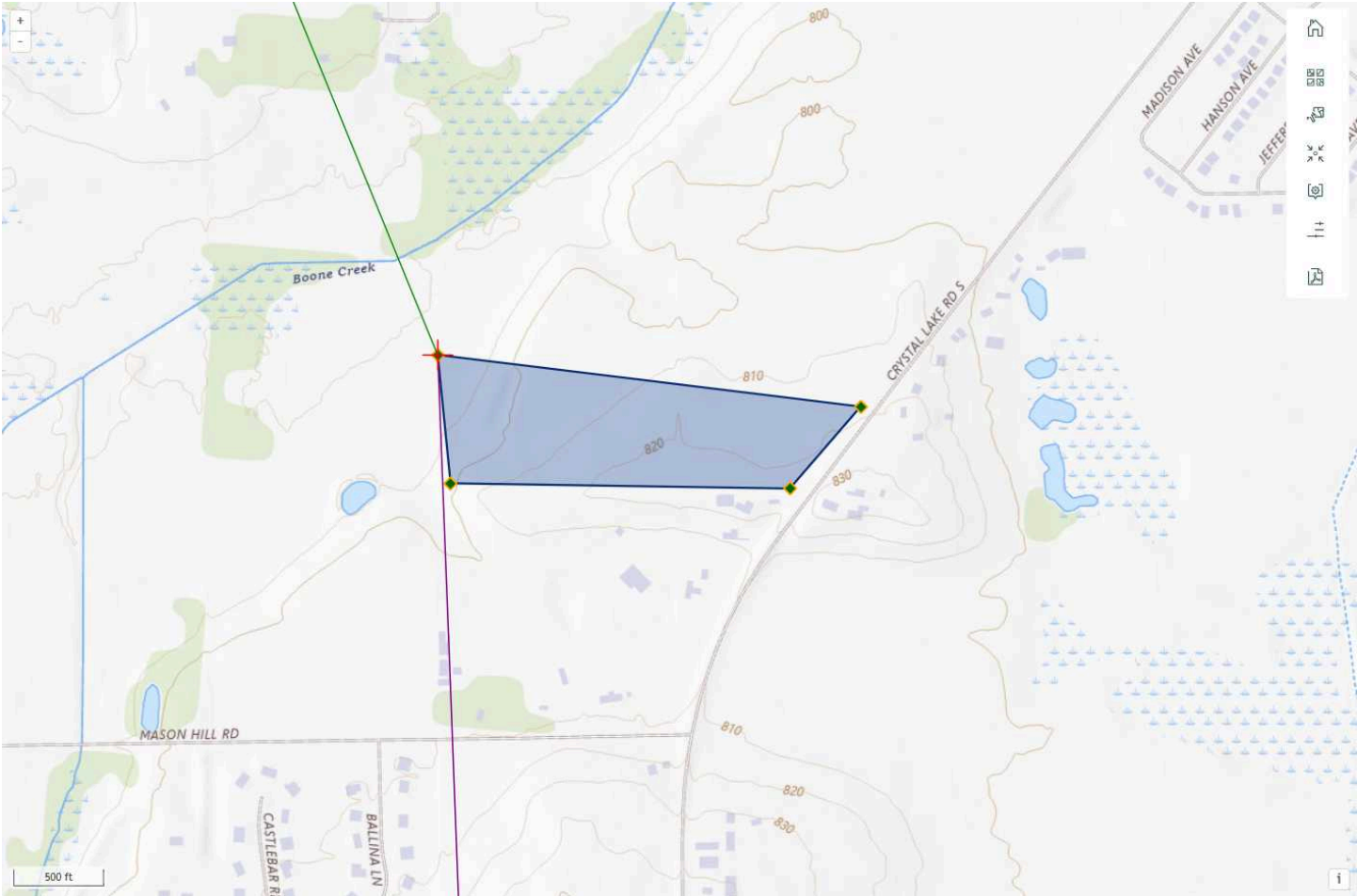
Natalie Schmalbeck  
Technician

Attachment(s)  
Frequency Data  
Map(s)

Frequency Data for ASN 2025-AGL-15395-OE

<b>LOW FREQUENCY</b>	<b>HIGH FREQUENCY</b>	<b>FREQUENCY UNIT</b>	<b>ERP</b>	<b>ERP UNIT</b>
6	7	GHz	42	dBW

Verified Map for ASN 2025-AGL-15395-OE




## McHenry Solar Farm LLC | ACOE NPR Letter Request

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**From** Tej Patel <tejpatel@suryapowered.com>

**Date** Mon 12/1/2025 6:41 PM

**To** Chicago Requests <chicagorequests@usace.army.mil>

 1 attachment (15 MB)

ACOE NPR Review Submittal Packet.pdf;

Hello USACOE,

I hope all is well. My name is Tej and I'm a Managing Partner at Surya Powered. Surya Powered has a solar facility development in McHenry, IL. We would like your department to review the attached documents in order to issue a *No Permit Required Letter*.

Please let me know if you have any further questions or concerns regarding our request.

Best,  
Tej

--

Tej Patel | Managing Partner

(224) 222-0566

Surya Powered LLC

<https://www.suryapowered.com>

**Surya**Powered

Project: McHenry Solar Farm  
Client: McHenry Solar Farm LLC  
Consultant: Baxter & Woodman Natural Resources LLC  
RE: USFWS Section 7: Threatened & Endangered Species  
BWNR #: 2500276.02

McHenry Solar Farm LLC plans to build a solar farm along the west side of S. Crystal Lake Road just north of Mason Mill Road in McHenry, Illinois 60050. The proposed project is located in Section 8 and 9, Township 44N, Range 8E. The proposed project site is approximately 37.0 acres. The project will involve installation of solar panels, fixed knot farm fencing, and a 20' wide access road with double gate.

On behalf of McHenry Solar Farm LLC, Baxter & Woodman Natural Resources LLC (BWNR) completed a review of the United States Fish & Wildlife Service's (USFWS) Section 7 Consultation guidance on January 15, 2026 via IPaC (Information for Planning & Consultation). According to USFWS Section 7 Consultation, endangered Northern Long-eared Bat (*Myotis septentrionalis*), endangered Whooping Crane (*Grus americana*), proposed threatened Monarch Butterfly (*Danaus plexippus*), endangered Rusty Patched Bumble Bee (*Bombus affinis*), proposed threatened Western Regal Fritillary (*Argynnis idalia occidentalis*), and Eastern Prairie Fringed Orchid (*Platanthera leucophaea*), are "Federally Threatened, Endangered, and Candidate Species" listed within the proposed project site (see map below) in McHenry County, Illinois. The following documentation for each species and how the proposed solar farm project will have "no effect" on listed species is included below.



**2022 Aerial image of Proposed Solar Farm project area (Source: ArcGIS Web)**

**Northern Long-Eared Bat (*Myotis septentrionalis*).**

Northern Long-Eared Bat spends winter months hibernating in caves and lives in wooded areas with mature live and dead trees offering crevices and cavities into the breeding season.

**Although Northern Long-Eared Bats have been documented in McHenry County, Illinois, the proposed project site does not offer preferred habitat structure for potential roost trees or caves/mines for hibernation. All trees onsite of second grown, scrub shrub trees bordering the property line. In addition, all tree removal will occur outside the breeding window. Therefore, Northern Long-Eared Bat will not be exposed directly or indirectly to the proposed project resulting in “no effect” and no further consultation required.**

**Whooping Crane (*Grus americana*)**

Whooping Cranes currently exist in the wild at only 3 locations and in captivity at 12 sites with an estimated population of 383 in 2010. There is only one self-sustaining wild population, the Aransas-Wood Buffalo National Park population. In addition, there is a small captive-raised, non-migratory population in central Florida, and a small migratory population of individuals introduced beginning in 2001 that migrate between Wisconsin and Florida in an eastern migratory population.

**The project site could potentially be in the path of the Whooping Crane migrating population between Wisconsin and Florida. The proposed project is planned on land that is currently in row crop production with second growth invasive woody species along the property board. Row crop and second growth forests do not provide ideal migratory landing habitat. The proposed solar farm would change the existing land use but would not improve or decrease potential landing preference. Therefore, Whooping Cranes will not be exposed directly or indirectly to the proposed project resulting in “no effect” and no further consultation required.**

**Monarch Butterfly (*Danaus plexippus*)**

Monarch Butterflies are large and conspicuous, with bright orange wings surrounded by a black border and covered with black veins. During the breeding season, monarchs lay their eggs on their obligate milkweed host plant and larvae emerge after two to five days and develop through five larval instars over a period of 9 to 18 days, feeding on milkweed. The larva then pupates into a chrysalis before emerging 6 to 14 days later as an adult butterfly.

Monarchs in temperate climates undergo long-distance migration. This migration can take monarchs distances of over 3,000 km and last for over two months. In early spring (February-March), surviving monarchs break diapause and mate at the overwintering sites before dispersing. The same individuals that undertook the initial southward migration begin flying back through the breeding grounds and their offspring start the cycle of generational migration over again.

**The project site is within the Monarch’s breeding and migratory zones. The proposed project is planned on land that is currently in row crop production and second growth forest that does not contain milkweed plants and does not provide ideal habitat. The proposed solar farm would change the existing land use and improve potential habitat preference due to milkweed being included in the pollinator seed mix. Therefore, the Monarch Butterfly will not be exposed directly or indirectly to the proposed project resulting in “no effect” and no further consultation required.**

### **Rusty Patched Bumble Bee (*Bombus affinis*)**

Rusty Patched Bumble Bee lives in organized colonies of up to 1,000 individuals. Their annual cycle begins in early spring with colony initiation by the queen with breeding occurring in mid to late summer/early fall. The Rusty Patched Bumble Bee is found in habitats such as prairies, woodlands, marshes, agricultural landscapes, and residential parks and gardens but ultimately needs a habitat with a sufficient nectar source from diverse and abundant flowers. Undisturbed nesting sites in close proximity to floral resources is critical.

The proposed project site is located within an area determined to potentially harbor the Rusty Patched Bumble Bee (see map below). The project area consists of a channelized stream and adjacent shrub-shrub. Ultimately, the restored prairie and wetland vegetation and management of existing wetland vegetation via the proposed restoration project will provide a better nectar source for the bee.

**Although the Rusty Patched Bumble Bee is found in McHenry County, Illinois, the proposed project will not result in disturbance of nesting or overwintering sites because it is a low-quality agriculture field with second growth trees along the property. Therefore, Rusty Patched Bumble Bee will not be exposed directly or indirectly to stressors resulting from the proposed project leading to “no effect” and no further consultation required.**



**Western Regal Fritillary (*Argynnis idalia occidentalis*)**

The Western Regal Fritillary is found in 14 states in native grasslands of central and northern Great Plains and portions of the Midwest. This species needs violets to support larval growth, nectar to support breeding females in the fall, and tall grass to provide shelter.

**This project area is currently in row crop production. This proposed project site does not offer nectar sources, violets, or tall native grasses. Therefore, Western Regal Fritillary will not be exposed directly or indirectly to the proposed project resulting in “no effect” and no further consultation is required.**

**Eastern Prairie Fringed Orchid (*Platanthera leucophaea*)**

Eastern Prairie Fringed Orchid is found in high quality (Floristic Quality Index > 20 and/or Native Mean C > 3.5) mesic to wet prairies, sedge meadows, marsh edges, and bogs. A thorough examination of the proposed project area by BWNR on June 6, 2024, during a wetland delineation revealed that there were two wetlands in the project area, and a stream channel with steep eroded banks and dominated by invasive trees and shrubs.

**Although Eastern Prairie Fringed Orchids are found in McHenry County, Illinois, the proposed project site does not offer preferred high-quality habitat. Therefore, Eastern Prairie Fringed Orchid will not be exposed directly or indirectly to the proposed project resulting in “no effect” and no further consultation required.**