

John Deere Ottumwa Works
Site Management Plan for FY22 through FY24
Prepared June 2021

Site Identification

Site Name: John Deere (Ottumwa Works)
EPA ID: IAD005269527
Site ID: 0700085
State: Iowa

Site Location and Description

The John Deere (Ottumwa Works), or JDOW, Site is located in the City of Ottumwa, Wapello County, Iowa (Figure 1) and occupies approximately 105 acres. The Site is located within the Des Moines River floodplain and is approximately 1,000 feet southwest of the river. The Site has been used for manufacturing farm implements since 1900. A former disposal area of approximately 20 acres exists beneath the site buildings, equipment storage areas and raw material storage areas. Approximately 90 percent of the disposal area is currently covered with building or asphalt and/or concrete pavement. Waste material was buried to depths of 4 to 10 feet and consisted of amber- to black-colored friable sand and vitrified greenish-yellow material with pieces of wood and coal, metal fragments, and paint chips. The EPA proposed the Site for listing on June 24, 1988, and it became final on the National Priorities List on February 21, 1990 and deleted from the NPL January 22, 2001.

The major component of the selected remedy is the placement of deed restrictions, to run with the land, which provide for maintenance of an existing perimeter fence and which limit land use. Continued ground water and surface water monitoring will also be required to ensure the selected remedy remains protective of human health and the environment.

Lead Agency:

The John Deere Ottumwa Works site PRP lead site with primary oversight by the EPA, with oversight support by IDNR.

Site Team

| Title | Name | Contact Number |
|----------------------------------|-----------------|-----------------------|
| EPA Remedial Project Manager | Justin Barker | (913) 551-7910 |
| Hydrogeologist | | |
| Human Health Risk Assessor | | |
| Ecological Risk Assessor | | |
| Counsel | | |
| State Project Manager | Shelly Nellesen | (515) 725-8372 |
| John Deere Environmental Manager | | |

Operable Units Description

OU-1

Past Activities: On September 20, 1989, the EPA and JDOW entered into an Administrative Order on Consent that required JDOW to perform an RI to determine the nature and extent of any contamination. In addition, the order required a Feasibility Study (FS) to evaluate appropriate measures to address

contaminants identified during the RI. Following work plan approval, the field investigation was completed in November 1990. The final RI and FS reports were completed in July 1991 and approved by the EPA in consultation with IDNR (EPA 1991b). The EPA issued a ROD on September 23, 1991. A RD/RA CD, which was negotiated by the EPA, JDOW and the state of Iowa, lodged by the Department of Justice and entered on September 25, 1992, specified the site cleanup actions that were required to be completed by JDOW. JDOW initiated the required RA at the site in August 1992 and completed the RA in November 1995. The alluvial aquifer near the Site is classified as IIB, a potential source of drinking water; however, Section 36-8 of the Ottumwa Code of Ordinances prohibits the installation, ownership, or use of private water wells constructed after November 1, 2000, without a health department permit. Nearby Black Lake was designated as a Class C water body (drinking water source) in the 1991 Record of Decision; but is no longer designated as such. Groundwater is not used on site. Older private wells have been identified in the vicinity of the Site, but contaminants of concern have not exceeded risk-based concentrations in downgradient monitoring wells on site. EPA approved of the termination of groundwater monitoring and well abandonment at the JDOW site in February 2018.

Current and Planned Activities: There are no current or future planned activities for this site.

Site-Wide Activities

The statutory due date for the next Five-Year Review is April 3, 2023, with a planned start date of April 3, 2022.

GPRA Measures

Construction Complete

Achieved by signature of the Consent Decree in 1992. No Remedial Alternative selected, only ICs.

Human Exposure Under Control

Yes.

Groundwater Migration Under Control

Yes.

Site-wide Ready for Anticipated Use

Achieved? In continued use as facility.

Community/Congressional/Outside Interests

None at this time.

Appendix A – Microsoft Project Schedule

Appendix B – Site Figure



Source: Microsoft Product Screen Shot(s) Reprinted with permission from Microsoft Corporation, Acquisition Date [unknown], Accessed: 2017; FSP, Hyde Environmental Inc, 2007.



JOHN DEERE OTTUMWA WORKS
928 EAST VINE STREET, OTTUMWA, IOWA
GROUNDWATER MONITORING REPORT

SITE PLAN

11149154-001
Oct 10, 2017

FIGURE 2