

Decommissioning of the Remediation Systems at Waverly, Nebraska, in 2011-2012

Environmental Science Division



United States Department of Agriculture

Work sponsored by Commodity Credit Corporation,
United States Department of Agriculture

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by
Applied Geosciences and Environmental Management Section
Environmental Science Division, Argonne National Laboratory

June 2012



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Notation

BGL	below ground level
CCC	Commodity Credit Corporation
EPA	U.S. Environmental Protection Agency
ft	foot (feet)
g/s	gram(s) per second
gpm	gallon(s) per minute
GWEX	groundwater extraction well
µg/L	microgram(s) per liter
µg/m ³	microgram(s) per cubic meter
MCL	maximum contaminant level
mg/kg	milligram(s) per kilogram
mi	mile(s)
MW	monitoring well
NDEQ	Nebraska Department of Environmental Quality
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
PWS	public water supply
ROD	<i>Record of Decision</i>
SGMW	soil gas monitoring well
SGWEX	supplementary groundwater extraction well
USDA	U.S. Department of Agriculture
VES	vapor extraction system
VOC	volatile organic compounds

Decommissioning of the Remediation Systems at Waverly, Nebraska, in 2011-2012

1 Introduction

The Commodity Credit Corporation of the U.S. Department of Agriculture (CCC/USDA) operated a grain storage facility in Waverly, Nebraska, from 1952 to 1974. During this time, the grain fumigant “80/20” (carbon tetrachloride/carbon disulfide) was used to preserve stored grain. In 1982, sampling by the U.S. Environmental Protection Agency (EPA) found carbon tetrachloride contamination in the town’s groundwater. After an investigation of the contaminant distribution, the site was placed on the National Priority List (NPL) in 1986, and the CCC/USDA accepted responsibility for the contamination. An *Interagency Compliance Agreement* between the EPA and the CCC/USDA was finalized in May 1988 (EPA 1990).

The EPA (Woodward-Clyde Consultants, contractor) started immediate cleanup efforts in 1987 with the installation of an air stripper, a soil vapor extraction system, a groundwater extraction well, and groundwater and soil gas monitoring wells (Woodward-Clyde 1986, 1988a,b). After the EPA issued its *Record of Decision* (ROD; EPA 1990), the CCC/USDA (Argonne National Laboratory, contractor) took over operation of the treatment systems. The CCC/USDA conducted a site investigation (Argonne 1991, 1992a,b), during which a carbon tetrachloride plume in groundwater was discovered northeast of the former facility. This plume was not being captured by the existing groundwater extraction system.

The remediation system was modified in 1994 (Argonne 1993) with the installation of a second groundwater extraction well to contain the contamination further. Subsequently, a detailed evaluation of the system resulted in a recommendation to pump only the second well to conserve water in the aquifer (Argonne 1995). Sampling and analysis after implementation of this recommendation showed continued decreases in the extent and concentrations of the contamination with only one well pumping (Argonne 1999).

The CCC/USDA issued quarterly monitoring reports from 1988 to 2009. Complete documentation of the CCC/USDA characterization and remediation efforts, including the quarterly monitoring reports, is on the compact disc inside the back cover of this report.

The EPA reported on the progress of the remediation systems in a series of five-year reviews (EPA 1993, 1999, 2004, 2009). These reports and other EPA documentation are also on

the compact disc inside the back cover of this report, along with the Woodward-Clyde (1986, 1988a,b) documentation cited.

Starting in 2006, the analytical results for groundwater (the only medium still being monitored) showed no carbon tetrachloride concentrations above the maximum contaminant level (MCL) of 5.0 µg/L. Because the cleanup goals specified in the ROD (EPA 1990) had been met, the EPA removed the site from the NPL in November 2006 (Appendix A).

In 2008 the National Pollutant Discharge Elimination System (NPDES) permit for the remediation system was deactivated, and a year later the EPA released its fourth and final five-year report (EPA 2009), indicating that no further action was required for the site and that the site was ready for unlimited use.

In 2011-2012, the CCC/USDA decommissioned the remediation systems at Waverly. This report documents the decommission process and closure of the site.

2 Background

Waverly is located in southeastern Nebraska, approximately 10 mi northeast of Lincoln, in Lancaster County, Township 11 North, Range 8 East. The population of the city of Waverly was approximately 3,300 in 2009. The former CCC/USDA property is located along the south side of Oldfield Street, just west of North 141st Street. The legal description of the former CCC/USDA property is Lot 158, I.T., in the SW 1/4 of Section 16, Township 11 North, Range 8 East of the 6th Prime Meridian, Lancaster County, Nebraska.

Since 1975, the former CCC/USDA facility property has been owned by Lancaster County, which operates a district office and maintenance facilities on the premises. Parts of the property are covered by massive piles of road maintenance and construction materials, as well as graveled parking areas. Until recently, the land immediately north of the property had been used primarily for agriculture. A new subdivision constructed in 2008 now lies to the northeast.

The city of Waverly obtains all of its drinking water supply from municipal wells that tap the groundwater aquifer. The principal near-surface aquifer in the Waverly area occurs in fluvial sands deposited in a bedrock paleovalley. At the former CCC/USDA facility, the aquifer is divided into an upper zone and a lower zone, separated by a clay layer.

2.1 History of Contamination

The grain storage facility operated by the CCC/USDA in 1952-1974 consisted of approximately 100 bins and 13 Quonset huts on concrete foundations. The fumigant 80/20 (carbon tetrachloride and carbon disulfide, with possible traces of chloroform) was used at the facility in approximately 1955-1965 (EPA 1990).

In 1982, the EPA sampled the Waverly municipal wells as part of a nationwide survey and found that public water supply wells PWS-1 and PWS-3 were contaminated with carbon tetrachloride (up to 200 µg/L) and chloroform (up to 7.5 µg/L). Public wells PWS-1 and PWS-2 were placed on standby status, while PWS-3 was taken out of service. Additional municipal wells were subsequently installed outside the known extent of the contamination (EPA 1990).

The former CCC/USDA grain storage facility was identified as the source of the carbon tetrachloride contamination, on the basis of an evaluation of groundwater data, soil gas analyses, and past grain fumigation practices. Concentrations of carbon tetrachloride and chloroform in private wells around the former CCC/USDA facility were as high as 3,120 µg/L and 37 µg/L, respectively, in June 1984 (EPA 1990).

On October 15, 1984, because of the contamination, the EPA proposed the site for placement on the NPL. The listing became final on June 10, 1986 (Appendix A).

2.2 Initial Response

In May 1986, the EPA developed an *Engineering Evaluation and Cost Analyses* report (Woodward-Clyde 1986) outlining an expedited response action that included groundwater extraction and treatment with air stripping technology, plus soil gas extraction. Design of the system was completed in May 1987, and system operation began in February 1988 (EPA 1990). Under a compliance agreement that went into effect in May 1988, the CCC/USDA took over the operation and maintenance of the remedial system in June 1988. The ROD (EPA 1990) identified the CCC/USDA as the only potentially responsible party for the site.

The remedial action objectives were as follows (EPA 1990):

- Prevent potential exposure to contaminated groundwater.
- Protect uncontaminated groundwater for future use by preventing further migration of the contaminated groundwater plume.
- Restore the aquifer for future use as a source of drinking water by reducing the contaminant concentrations below health-based criteria.

2.3 Performance Criteria

The ROD (EPA 1990) established the following performance criteria:

- For groundwater, concentrations of 5.0 µg/L for carbon tetrachloride and 3.8 µg/L for chloroform.
- For soil gas, combined carbon tetrachloride and chloroform concentrations of 6.5 µg/m³.
- For combined volatile emissions of carbon tetrachloride and chloroform from the vapor extraction system and air stripper system, a rate of 0.147 g/s.
- For air stripper effluent discharged to surface water, concentrations of 6.95 µg/L for carbon tetrachloride and 5.0 µg/L for chloroform.
- For soil, concentrations of 1.1 mg/kg for carbon tetrachloride and 1.7 mg/kg for chloroform.

These performance criteria and the monitoring requirements are summarized in Table 2.1.

2.4 Treatment Systems and Early Operations

The treatment systems that began operating in 1988 involved a single groundwater extraction (GWEX) well to capture contaminated groundwater and pipes to carry the water to a packed-tower air stripping system for treatment and removal of carbon tetrachloride and chloroform. The other facet of treatment was a vapor extraction system (VES) that volatilized and extracted contaminants from the soil gas (Figure 2.1).

The air stripping system was designed to accept — from the GWEX well, at a flow rate of 400 gpm — water containing initial concentrations of 4,000 µg/L (carbon tetrachloride) and 360 µg/L (chloroform), and to remove 99.9% of the contaminants. After it was pumped to a flow distributor at the top of the stripper, the water cascaded down through a bed of inert packing material. Clean air entered the bottom of the column and was driven upward through the packing material and water to the top of the column. The result was transfer of the volatile organic compounds (VOCs) from the water to the air. The air and VOCs exited the system through a

stack extending to 41 ft above grade. Emissions from the stack were not to exceed the performance standard of 0.147 g/s (Table 2.1).

The treated effluent water from the air stripper was discharged to the ditch north of the former CCC/USDA facility and flowed westward via drainage ditches to Salt Creek. The maximum permitted contaminant concentrations in the discharge water were regulated under an NPDES permit, as specified by the Nebraska Department of Environmental Control (now the Nebraska Department of Environmental Quality [NDEQ]). The effluent standards were 6.95 µg/L for carbon tetrachloride and 5.0 µg/L for chloroform (Table 2.1). The CCC/USDA sampled the discharged water monthly, as required by the NPDES permit and the ROD (EPA 1990).

The GWEX well was installed on the north edge of the former CCC/USDA facility, in the area of maximum groundwater contamination. The well was screened over two intervals: 19-34 ft and 39-49 ft below ground level (BGL). The GWEX well was designed to have a zone of influence of 1,000-1,400 ft when pumping at 150 gpm (EPA 1990). The locations of the treatment system and monitoring installations are shown in Figures 2.2 and 2.3.

Public well PWS-3 and the Hedrick south private well (Figure 2.2) were approximately 900 ft and 1,200 ft from the GWEX well, respectively. In 1990, the carbon tetrachloride concentration in PWS-3 was below 5.0 µg/L, while the Hedrick well showed concentrations of 20-50 µg/L. As of January 1990, the only monitoring well with detectable contaminant concentrations was MW2A (Figure 2.3), a shallow well on the former CCC/USDA property (EPA 1990).

Seventeen VES wells were installed in the vadose zone above the water table, at depths of 27-29 ft BGL, with the lower 15-20 ft screened. A blower sized for an air flow rate of 160 cubic feet per minute created a vacuum in these wells. Air drawn through the soil induced the transfer of VOCs from solution into the vapor phase. The contamination was then drawn into the VES wells and exited the system from the tops of the air stripping towers described above. The radius of influence for each VES well was approximately 100 ft. The combined contaminant emissions from the VES and the air stripping system were not to exceed the performance standard of 0.147 g/s (Table 2.1). Five nested soil gas monitoring wells (SGMWs; each with shallow, intermediate, and deep screens) were installed to monitor the progress of the VES system.

2.5 Additional Investigation and System Modifications

In the fall of 1991, the CCC/USDA conducted additional site investigation activities to verify the downgradient performance of the GWEX well and to characterize the hydrogeologic setting in greater detail. Three additional monitoring wells (MW6A, MW6B, MW6C) were installed (Figure 2.3). This 1991 investigation identified a plume of carbon tetrachloride and chloroform in groundwater to the northeast of the former facility, along 141st Street and beyond the radius of influence of the existing GWEX well. This contamination was believed to have migrated from the former facility before the treatment systems began operation. Maximum concentrations detected were approximately 400 µg/L (carbon tetrachloride) and 200 µg/L (chloroform). No contamination was detected along Waverly Road, approximately 0.5 mi north of Oldfield Road and the former CCC/USDA facility (Argonne 1992a).

The results of the 1991 investigation demonstrated that the treatment systems were effective in controlling contaminant migration and were progressing toward cleanup and restoration of the aquifer. However, the newly identified plume northeast of the former CCC/USDA facility needed to be captured and treated to achieve the objectives of the ROD (EPA 1990).

To capture the northeast contaminant plume, a supplementary groundwater extraction (SGWEX) well was proposed, to be located approximately 1,735 ft north of the centerline of Oldfield Street, along 141st Street, with a pumping rate of 150 gpm. The capture zone of the SGWEX well, which was estimated to extend about 800 ft to the east and west, was expected to merge with the capture zone of the existing GWEX well. The SGWEX well would address the contamination at the Hedrick south private well, which had been unaffected by the GWEX at that point. Three additional monitoring wells were proposed to monitor the northeast contaminant plume and the effectiveness of the SGWEX remediation (Argonne 1993).

The three proposed monitoring wells (MW9, MW10, MW11; Figure 2.2) were installed in 1993 (Argonne 1995). The SGWEX was installed in 1994, along with a pipeline to transport the extracted water to the process building for treatment by air stripping. With the 1994 installation of the SGWEX and piping, the Waverly site achieved the EPA status of “construction complete” (EPA 2006a). The SGWEX continued operation until September 2004 (Argonne 2004b). Over the lifetime of the remediation project, the extraction wells discharged more than 1 billion gallons of groundwater (Table 2.2).

2.6 Performance Evaluation

The GWEX was shut down in April 1995, and the SGWEX continued to operate alone. An evaluation in 1997 of the effectiveness of the solo SGWEX operation resulted in adjustments to the SGWEX pumping rate (Argonne 1999). A second performance evaluation led to bypassing of the air stripper and elimination of its operation in September 1999. The water produced by the SGWEX had carbon tetrachloride and chloroform concentrations below the respective NPDES discharge limits, and the air stripper was no longer needed (Argonne 1999).

2.7 Targeted Investigations and Well Installations in 2004-2006

Until April 2004, efforts to complete delineation of the groundwater plume were hampered by the lack of access to the Hedrick property. To determine the carbon tetrachloride distribution in this key area, the CCC/USDA proposed a targeted investigation (Argonne 2003). After access was arranged and the investigation was complete, the results demonstrated that carbon tetrachloride contamination was restricted stratigraphically to a laterally continuous, well-developed sand package in the upper sandy units of the local aquifer system. Carbon tetrachloride concentrations of 1.6-36 µg/L were identified in this sand package, in a relatively narrow plume originating near the eastern part of the former facility and extending northward toward the SGWEX well. Carbon tetrachloride concentrations exceeding the MCL of 5.0 µg/L were limited to an area approximately 950 ft long. Carbon tetrachloride was not detected in the deeper portion of the aquifer, below the sandy unit (Argonne 2004a).

In November 2004, the CCC/USDA (Argonne 2004b) recommended installation of four additional monitoring wells: MW5E and MW12 on county property along 141st Street (in the northeast plume), plus MW13 and MW14 east of 141st Street, in agricultural fields owned by Aspen Builders and targeted for residential development. Wells MW5E and MW12 were installed in the summer of 2005, but access could not be negotiated for installation of proposed wells MW13 and MW14. The installation of wells MW5E and MW12 was documented in the quarterly report for July-September 2005 (on the compact disc inside the back cover of this report).

Because proposed wells MW13 and MW14 could not be installed, the EPA requested recommendations for a one-time groundwater sampling event on the Aspen Builders property. The purpose was to determine whether contaminant migration had shifted to the northeast after

pumping of the SGWEX well was discontinued in 2004. After access was arranged, the sampling was conducted at six locations on February 8-10, 2006, by using the track-mounted cone penetrometer unit. The samples contained no detectable carbon tetrachloride. The results were documented in the quarterly report for January-March 2006 (on the compact disc inside the back cover of this report).

2.8 Termination of Treatment System Operations

On the basis of the findings of the 2004 targeted investigation (Argonne 2004a) and under the terms of the ROD (EPA 1990), the EPA authorized the CCC/USDA to begin the final technical and regulatory activities required to achieve closure of the remedial action and to accomplish removal of the site from the NPL (Gilmore 2004). Operation of the treatment systems was terminated as follows, with the approval of the EPA (2006a):

- Operation of the VES was discontinued in 1993.
- Operation of the GWEX well ended in 1995.
- Operation of the air stripper ended in 1999.
- Operation of the SGWEX well was terminated on September 2, 2004.

2.9 Compliance with Action Levels

By 2006, cleanup goals had been achieved, and a final inspection had been completed (EPA 2006a). The following compliance milestones had been achieved as a result of the operation of the remedial systems, beginning in 1988 (EPA 2006b):

- Compliance was achieved for the combined air emissions standard for carbon tetrachloride and chloroform (0.147 g/s) from the VES and air stripper system. The CCC/USDA discontinued operation of the VES in 1993 on the basis of achieving action levels. Overall compliance with the air standard was approved by the EPA in 1995.

- Compliance was achieved with surface water standards (6.95 µg/L for carbon tetrachloride and 5.0 µg/L for chloroform). After action levels were achieved, the air stripper system was shut down in 1999 (with EPA approval), and discharge to surface water ceased.
- Compliance was achieved with the groundwater standards (5.0 µg/L for carbon tetrachloride and 3.8 µg/L for chloroform) for all compliance points in the original plume addressed by the GWEX well. The GWEX well was shut down in 1995, with EPA approval, after action levels were achieved in this portion of the plume.
- Compliance was achieved with groundwater standards (5.0 µg/L for carbon tetrachloride and 3.8 µg/L for chloroform) for all compliance points (Table 2.1) in the remaining northeastern plume addressed by the SGWEX well. The SGWEX was shut down in 2004, with EPA approval, after action levels had been achieved throughout the entire plume.

The compliance status of soil and soil gas was resolved as follows:

- Action levels for soil were set at 1.1 mg/kg for carbon tetrachloride and 1.7 mg/kg for chloroform. Because the initial soil samples collected were in compliance with the action levels, no additional soil sampling was required.
- The soil gas compliance criterion defined in the ROD (EPA 1990) was a combined action level of 6.5 µg/m³ for carbon tetrachloride and chloroform, based on “acceptable concentrations for indoor air” as specified by the Agency for Toxic Substances and Disease Registry for residential basements (risk factor = 10⁻⁴ and hazard index H = 1). This criterion did not account for the soil gas-to-air attenuation factor, which can range from 0.01 to 0.001 depending of site conditions. A reevaluation the soil gas results using EPA (2002) guidance indicated that the contaminants were at sufficient depth (30-35 ft BGL) to make vapors unlikely to reach potential receptors. Consequently, no complete pathways and no potential risks to human health were associated with the soil gas levels. On this basis, the EPA issued an

Explanation of Significant Differences (EPA 2005) deleting the soil gas compliance criterion established in the ROD (EPA 1990).

Quarterly sampling from 2007 to 2009 continued to indicate that the concentrations of carbon tetrachloride and chloroform were below the groundwater standards (5.0 µg/L for carbon tetrachloride and 3.8 µg/L for chloroform) in monitoring wells MW5 and MW9, in the contaminated area.

2.10 Regulatory Resolution of Site Status

The *Final Remedial Action Report*, issued in June 2006 (EPA 2006a), was prepared in accordance with the EPA's *Close Out Procedures for National Priorities List Sites* (OSWER Directive 9320.2-09A-P). The EPA (2006a) report documented that the remedial action had been completed, cleanup goals had been achieved, and a final inspection had been completed. Subsequently, the August 2006 *Final Close Out Report* (EPA 2006b) documented that the cleanup goals established by the ROD (EPA 1990) had been achieved.

On September 19, 2006, with NDEQ concurrence, EPA Region VII published a *Notice of Intent to Delete* (Federal Register Notice FRL-8220-3). The EPA had determined that the responsible parties had implemented all appropriate actions, and therefore no further remedial actions were needed. The *Notice of Intent to Delete* defined a public comment period, to close on October 19, 2006 (<http://www.epa.gov/superfund/sites/npl/noids/i060919.pdf>).

As a result of its determination that compliance had been achieved, the EPA issued a *Direct Final Notice of Deletion* on November 20, 2006 (Federal Register Notice FRL-8220-4; <http://www.epa.gov/superfund/sites/npl/d061120.htm>).

In 2008 the NPDES permit was deactivated, and a year later the EPA (2009) released its final five-year report, indicating that no further monitoring was required for the site, and the site was ready for unlimited use.

Table 2.3 is a summary of activities at the site through the years. The EPA's summary for the *Waverly Ground Water Contamination Site* (ID NED980862718) is in Appendix A (and online at http://www.epa.gov/region07/cleanup/npl_files/ned980862718.pdf).

TABLE 2.1 Performance criteria specified in the ROD (EPA 1990).

Medium	Compliance Point	Action Level		Monitoring Frequency		
		Carbon Tetrachloride	Chloroform	Initial Period, Beginning 4/1/1988	Long Term	Compliance Period
Air	Combined VOCs emissions from VES and air stripper system	0.147 g/s (combined)		Monthly for first quarter	Quarterly	During all operations
	Ambient air	0.125 µg/m ³ above background (combined)		Summer 1988; seasonal monitoring to be discussed after May 1988	As required	Not applicable
Groundwater	All on-site monitoring wells	5.0 µg/L	3.8 µg/L	Monthly if above action level; other wells one time during first quarter	Quarterly if above action level; other wells annually	1 year (4 events) after GWEX wells are off
Surface water	Air stripping system discharge ^a	6.95 µg/L	5.0 µg/L	Monthly for first quarter	Monthly	During all operations
Soil	Former federal grain facility	1.1 mg/kg	1.7 mg/kg	Not applicable ^b	Not applicable ^b	Not applicable ^b
Soil gas	SGMW 1-5 (A, B, C) and all VES wells ^c	6.5 µg/m ³ (combined) ^d		Monthly if above action level; otherwise one time during first quarter	Quarterly if above action level; otherwise annually	1 year (4 events)

^a Air stripper system discharge was to be maintained at pH 6-9.

^b Initial soil samples indicated that soils were in compliance with the action level; no additional sampling was anticipated.

^c Individual VES wells were to be isolated from the VES system when concentrations were below the action level.

^d The soil gas criterion was deleted by the *Explanation of Significant Differences* (EPA 2005).

TABLE 2.2 Groundwater pumping summary for the remediation at Waverly.

Year	Water Pumped (gal/yr)		Total
	GWEX	SGWEX	
1988	15,030,000		15,030,000
1989	51,197,400		51,197,400
1990	46,828,400		46,828,400
1991	47,132,400		47,132,400
1992	45,513,880		45,513,880
1993	64,188,000		64,188,000
1994	51,121,440	39,991,680	91,113,120
1995	11,836,800	50,391,360	62,228,160
1996		50,768,640	50,768,640
1997		44,645,760	44,645,760
1998		82,607,520	82,607,520
1999		83,124,453	83,124,453
2000		87,240,490	87,240,490
2001		76,221,526	76,221,526
2002		81,663,006	81,663,006
2003		63,239,890	63,239,890
2004		15,758,297	15,758,297
Totals	332,848,320	675,652,622	1,008,500,942

TABLE 2.3 Timeline of site characterization and remediation activities.

Date	Event
1952-1974	CCC/USDA grain storage operation.
1955-1965	Use of grain fumigant "80/20" at CCC/USDA facility.
1982	EPA sampling finds carbon tetrachloride contamination in public wells.
1984	EPA proposes site for NPL list (10/15/84).
1986	EPA places site on NPL (06/10/86).
1987	EPA conducts a preliminary assessment, remedial investigation/feasibility study, and site inspection.
1987	EPA issues notice letters (03/18/87).
1987	EPA has installed GWEX, VES, air stripper, soil gas monitoring wells, and groundwater monitoring wells. Groundwater wells sampled: MW1A, MW1B, MW1C, MW2A, MW3A, MW4A, MW4B, MW5A, MW5B, MW5D, MW7A, MW8A.
1988	USDA-EPA compliance agreement formalized (05/27/88); CCC/USDA takes responsibility.
1990	EPA issues ROD (09/26/90).
1991	CCC/USDA studies begin. Wells MW6A, MW6B, MW6C installed.
1993	Wells MW9, MW10, MW11 installed. SGWEX installed. VES operation discontinued (08/13/93).
1993	EPA five-year review (09/27/93).
1994	SGWEX operation begins (end of March 1994).
1995	GWEX operation discontinued (04/14/95).
1995	SGMW sampling discontinued after March 1995.
1999	EPA five-year review (09/30/99).
1999	Air stripper shut down and bypassed (September 1999).
2004	SGWEX operation discontinued (09/02/04).
2004	EPA five-year review, including groundwater and soil gas sampling (09/28/04).
2004	Targeted groundwater sampling on Hedrick property.
2005	EPA issues Explanation of Significant Differences, which deletes the soil gas compliance criterion in the 1990 ROD (03/10/05).
2005	Wells MW5E and MW12 installed. Installation of MW13 and MW14 prevented by access problems.
2006	Cone penetrometer sampling on Aspen property ENE of the former facility, because of inability to gain access for installing wells MW13 and MW14.
2006	EPA issues closeout report (08/02/06).
2006	EPA deletes site from NPL (11/20/06).
2008	NPDES reporting requirements terminated; NPDES permit deactivated.
2009	EPA releases report of five-year review (08/13/09). No further monitoring is required; site is ready for unlimited use.
2011-2012	Decommissioning of remediation systems.

SCHEMATIC OF REMEDIAL ACTION TREATMENT SYSTEM

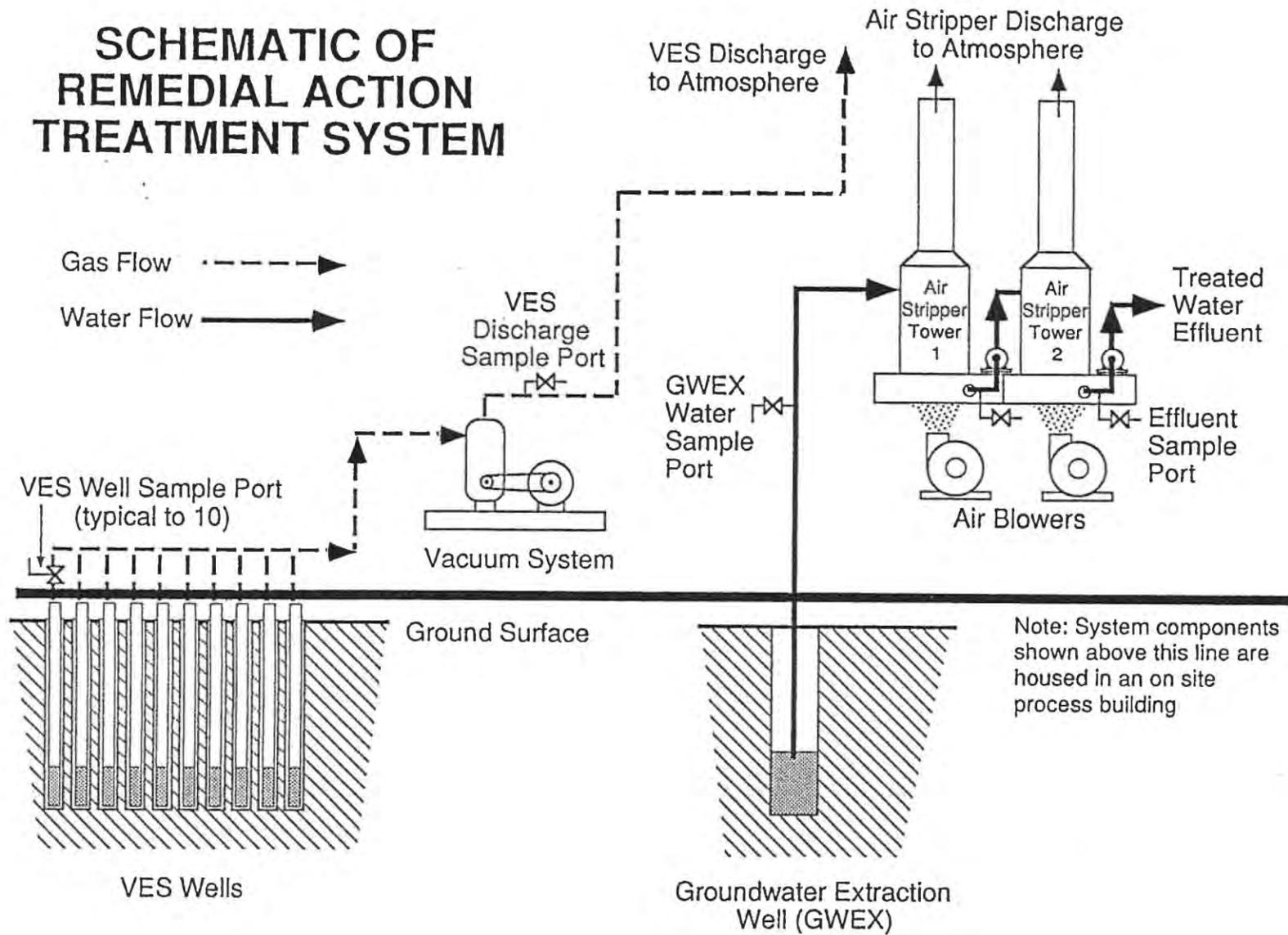


FIGURE 2.1 Original treatment system that began operation in 1988.

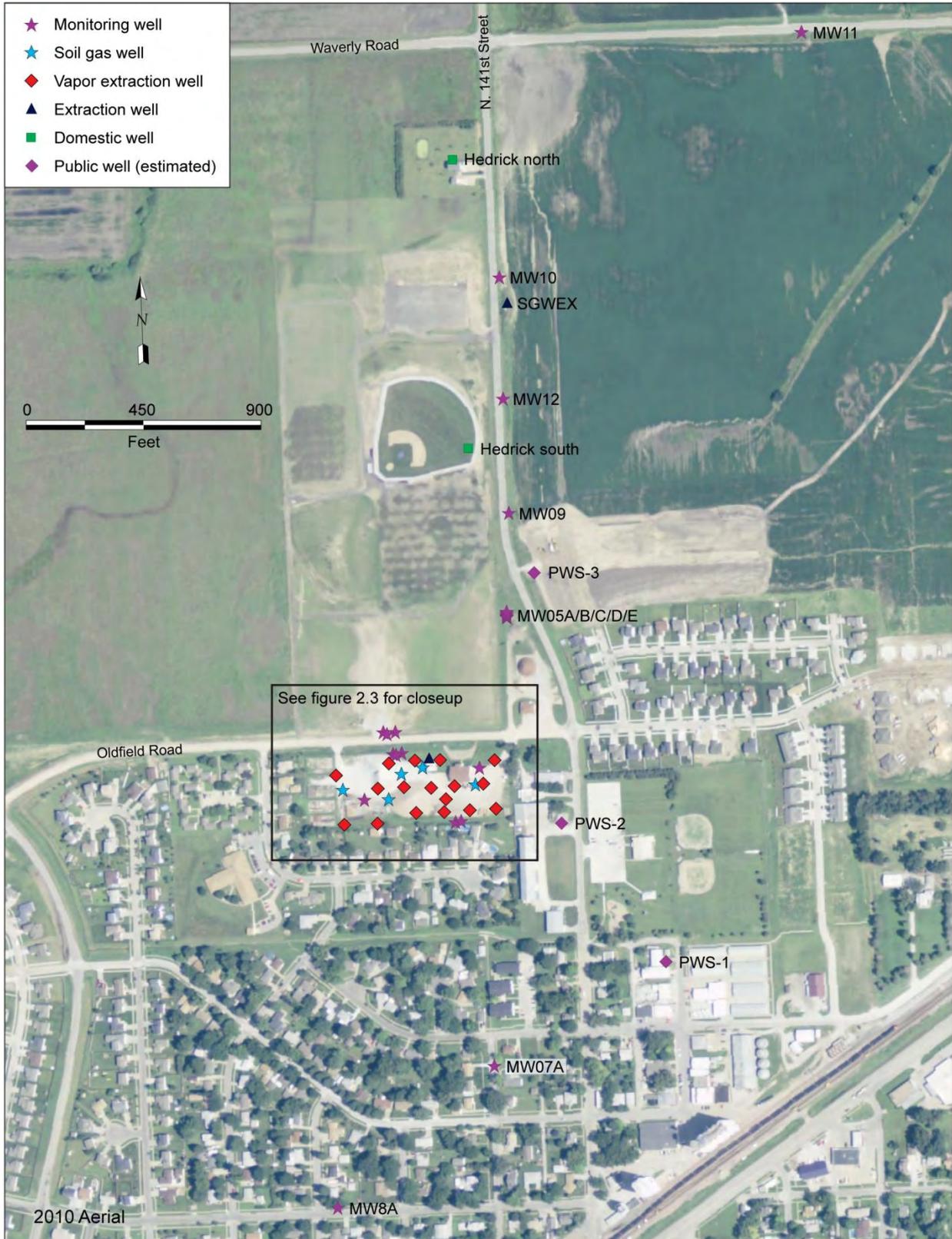


FIGURE 2.2 Locations of the components of the treatment and monitoring systems sitewide. Source of aerial photograph: FSA (2010).



FIGURE 2.3 Locations of system components on and near the former CCC/USDA property. Source of aerial photograph: FSA (2010).

3 Decommissioning of the Remediation Systems

3.1 Well Identification

The multistage decommissioning process at Waverly began in February 2011 with a site visit and initial identification of monitoring wells, vapor extraction wells, and groundwater extraction wells. In some cases, the well locations shown in the early maps developed by the EPA and its contractors were incorrect. Many of the VES wells were under large piles of road materials (sand and gravel) used by the Lancaster County Department of Roads in its operations. Lancaster County is the current owner of the property formerly occupied by the CCC/USDA facility.

In June 2011, excavators were used to remove and relocate the road materials, trace the VES piping network, and locate additional VES wells. In all, 17 VES wells, 5 soil gas monitoring well clusters (3 wells per cluster), 2 groundwater extraction wells, and 21 groundwater monitoring wells (including clusters) were located. These represented all of the borings originally installed at Waverly.

The wells located were as follows:

- Vapor extraction system wells: VES1-VES17
- Soil gas monitoring wells: SGMW1A-C, SGMW2A-C, SGMW3A-C, SGMW4A-C, SGMW5A-C
- Groundwater extraction wells: GWEX, SGWEX
- Groundwater monitoring wells: MW1A, MW1B, MW1C, MW2A, MW3A, MW4A, MW4B, MW5A, MW5B, MW5C, MW5D, MW5E, MW6A, MW6B, MW6C, MW7, MW8, MW9, MW10, MW11, MW12

Photographs of selected wells as they were located in the field are in Appendix B.

3.2 Abandonment of VES Wells

Each of the 17 VES points was plugged in June 2011 according to Nebraska regulations. Tom Christopherson was on-site during this time, observing the operations. Christopherson is the program manager for the Water Well Standards and Contractor's Licensing Program for the Nebraska Department of Health and Human Services.

3.3 Abandonment of Groundwater Wells

During the period July 11-25, 2011, all of the groundwater monitoring wells and the GWEX and SGWEX wells (Section 3.1) were plugged and abandoned, and the extraction well vaults were removed. All wells were decommissioned in accord with NDEQ regulations. Well abandonment documents (Appendix C) were filed with the State of Nebraska on August 16, 2011. Figure 3.1 shows the removal of the SGWEX well vault (in progress), and Figure 3.2 shows the same area after regrading and dressing of the surface. Additional photographs of removal of the SGWEX well are in Appendix B.

3.4 Decommissioning of the Air Stripping System

Consultation with the CCC/USDA led to a determination that salvaging of the air stripping system as a whole (or even most of its individual components) for further use was not viable. Decommissioning of the dual packed-column air stripping towers and the associated pumps and piping therefore began in November 2011 and was completed in December 2011. Before the system was dismantled, each component (and any water remaining therein) was sampled and analyzed for carbon tetrachloride and/or chloroform. No unacceptable contamination was identified. The steel and aluminum recovered from the system were either recycled (to the extent possible, as scrap metal) or discarded in a manner acceptable to the CCC/USDA and the NDEQ.

Figure 3.3 and Figure 3.4, respectively, show, one of the stainless steel stripping towers and the associated packing medium (plastic framework spheres). Figure 3.5 and Figure 3.6 illustrate removal of the towers and their vent stacks through the opened roof of the treatment building. Figure 3.7 shows the dismantling of the tower support structures in the treatment building.

3.5 Reconditioning of the Former Treatment Building

After removal of the air stripper and all related treatment system equipment, the concrete base that had supported these units was removed (Figure 3.8), and the concrete floor was repaired (Figure 3.9). The recovered concrete rubble was accepted by the Lancaster County Department of Roads for use as rip-rap construction material. A new roof was installed, and all unnecessary vents etc. in the walls of the building were repaired. Figure 3.10 shows the process building prior to decommissioning of the treatment system and after the reconditioning was completed in December 2011. Ownership of the building was transferred to Lancaster County in January 2012, completing the on-site closeout activities.

3.6 Beneficial Use of the Property Formerly Overlying the Groundwater Plume

The land overlying the carbon tetrachloride plume was an agricultural field during treatment. Now that cleanup is complete and unlimited use is allowed, that land has been sold and redeveloped for housing and recreation, including athletic fields and an airport for radio-controlled hobby aircraft. These developments are visible to the north of Oldfield Road in the 2010 aerial photograph in Figure 3.11.



FIGURE 3.1 Excavation of the cement vault for the SGWEX well.



FIGURE 3.2 Former SGWEX area after well decommissioning.



FIGURE 3.3 Stainless steel air stripper tower in the treatment building.



FIGURE 3.4 Plastic spheres used for air exchange inside the air stripper tower.



FIGURE 3.5 Removal of one of the packed-column air stripping towers through the roof of the treatment building.



FIGURE 3.6 Removal of the second tower.



FIGURE 3.7 Dismantling of the tower support structures inside the treatment building.



FIGURE 3.8 Removal of concrete platforms inside the treatment building.



FIGURE 3.9 Interior of the treatment building after removal of all equipment.



FIGURE 3.10 Treatment building before (left) and after (right) decommissioning.



FIGURE 3.11 Contaminated area after redevelopment. Land north of Oldfield Road has been redeveloped for housing and recreation, including athletic fields and an airport for radio-controlled hobby aircraft. Source of aerial photograph: FSA (2010).

4 Bibliography

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Appendix A:

**U.S. Environmental Protection Agency Summary,
Waverly Ground Water Contamination Site, Nebraska,
EPA ID# NED980862718**

WAVERLY GROUND WATER CONTAMINATION

NEBRASKA

EPA ID# NED980862718

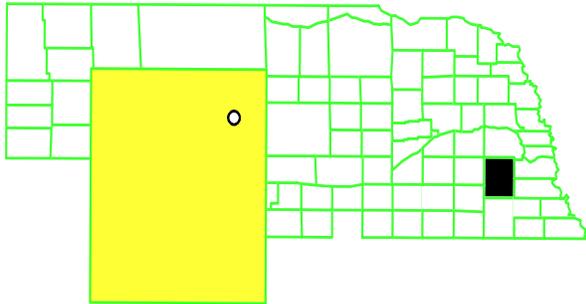
EPA Region 7

City: Waverly

County: Lancaster County

Other Names:

10/11/2011



SITE DESCRIPTION

The Waverly Ground Water Contamination site extends over an 11-acre area underlying the City of Waverly. The U.S. Department of Agriculture operated a Federal grain facility in Waverly from 1952 to 1974. A grain fumigant consisting of carbon tetrachloride and carbon disulfide was used at the facility from 1955 to 1965. Since 1975, the property has been owned by Lancaster County, which operates a district office and maintenance facility on the premises. The EPA and the State of Nebraska sampled the municipal wells in 1982 and found them to be contaminated. One well was taken out of service, two wells were placed on standby status, and the city drilled new wells to replace them. The area surrounding the site is predominantly agricultural. The population of Waverly is approximately 1,700 people. There is a residential area adjacent to the former grain facility. Several private wells near the site are used for drinking water, livestock watering and crop irrigation. Runoff from the site drains into Salt Creek.

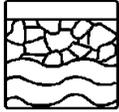
Site Responsibility:

This site is being addressed through Federal actions.

NPL LISTING HISTORY

Proposed Date:	10/15/84
Final Date:	06/10/86
Deleted Date:	11/20/2006

THREATS AND CONTAMINANTS



Samples taken from the municipal wells contained concentrations of heavy metals, volatile organic compounds (VOCs), nitrates, and sulfates. The soil is contaminated with VOCs including carbon tetrachloride and chloroform. Contaminants from the soil have seeped into the aquifer, the source of water for the municipal water supply. The polluted wells were taken out of service, and new wells were drilled; therefore, the municipal water supply is safe to use. The new wells are upgradient of the site and are not likely to be threatened.

CLEANUP APPROACH

Response Action Status

Immediate Actions: In 1988, as an immediate response to the ground water contamination, the EPA installed ground water monitoring wells, a system of pipes and wells in the ground connected to a pump to remove vapors contaminating soil (soil gas extraction system), and a ground water treatment system using air stripping. The ground water treatment involves forcing a stream of air through the contaminated water to evaporate the chemicals, which then are released into the atmosphere. Air monitoring is conducted to ensure that emissions are within acceptable limits. Treated ground water is discharged to a ditch near the site. The U.S. Department of Agriculture (USDA) is performing the operation and maintenance on the ground water extraction and soil gas treatment system. A supplemental groundwater extraction well (SGWEX) was added to the system in 1993 to address contamination discovered outside the influence of the original ground water extraction well.

Entire Site: The USDA completed an investigation into the nature and extent of contamination at the site. Based on the results of this investigation, the EPA recommended that the immediate actions described above be continued until cleanup of soil and ground water is achieved. Operation and maintenance of the ground water treatment system continued through 2008.



The analytical results provided in the Quarterly Report for Waverly, Nebraska, Expedited Response Action, 1st Quarter FY 2009, Reporting Period October 2008 through December 2008 indicated the contaminant levels in all sampled monitoring wells remain below the cleanup levels established in the Record of Decision.

Site Facts: Ground water monitoring has continued on a quarterly basis since 11/20/2006 to ensure the contaminant levels remain below cleanup levels. The data gathered from these sampling activities were used in the fourth and final Five-Year Review. The fourth and final Five- Year Review was completed on August 8, 2009. The conclusion of the Five-Year Review indicated that the completed remedial action remain protective of human health and the environment and allows for unrestricted reuse of the site.

ENVIRONMENTAL PROGRESS



The cleanup levels for ground water and soil, as described in the Record of Decision, have been achieved. Therefore, the EPA has deleted this site from the NPL.

COMMUNITY INVOLVEMENT

4/2004 Fact Sheet announcing the start of the third Five-Year Review was mailed to addressees on the mailing list.

4/22/2004 Display ad announcing the start of the Five-Year Review was published in the *Waverly-News* .

11/2004 Fact Sheet announcing the completion of the third Five-Year Review and availability of the report was mailed to the mailing list.

11/25/2004 Display ad announcing the completion of the third Five-Year Review was published in the *Waverly-News*.

9/2006 Fact Sheet announcing the Proposed Deletion from the National Priorities List and the start of the Public Comment Period on the proposed delisting was mailed to the mailing list.

9/21/2006 Display ad announcing the proposed deletion of the Waverly Site was published in the *Waverly-News* .

11/20/2006 Notice of Deletion appeared in the *Federal Register* .

12/2006 Documents relating to the deletion were added to the Site Repositories.

02/12/2009 Display ad announcing the start of the Five-Year Review was published in the *Waverly News* .

02/2009 Fact Sheet announcing the start of the fourth Five-Year Review was mailed.

09/2009 Display ad announcing completion of the Five-Year Review published in the *Waverly News*.

Congressional Districts:

U.S. Senator Ben Nelson

U.S. Senator Mike Johanns

U.S. Senator Kathy Campbell District 25

U.S. Representative Jeff Fortenberry

SITE REPOSITORY



Contact the Region 7 Superfund
Community Relations Office

Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-7166

REGIONAL CONTACTS

SITE MANAGER:

Jeff Field/SUPR/MOKS

E-MAIL ADDRESS:

field.jeff@epa.gov

PHONE NUMBER:

(913) 551-7548

COMMUNITY INVOLVEMENT

Dianna Whitaker

COORDINATOR:

PHONE NUMBER:

913-551-7598

E-MAIL ADDRESS:

whitaker.dianna@epa.gov

STATE CONTACT:

Mike Felix, NDEQ

PHONE NUMBER:

402-471-2938

MISCELLANEOUS INFORMATION

STATE:

NE

071X

CONGRESSIONAL DISTRICT:

01

EPA ORGANIZATION:

SFD-SUPR/MOKS

MODIFICATIONS

Created by:

Karla
Asberry/SUPRFUND/R7/US
EPA/US

Created Date:

10/17/97 02:26 PM

Last Modified by:

Ben
Washburn/R7/USEPA/US

Last Modified Date:

10/11/2011 04:39 PM

Appendix B:

Photographs of the Decommissioning Effort

Groundwater Monitoring Well Locations



MW1A



MW1B



MW1C



MW2A



MW2A



MW3A



MW3A



MW4A



MW4B



MW5A



MW5B



MW5C



MW5D



MW5E



MW5A, B, C, D



MW6A



MW6B



MW6C



MW7



MW8



MW9



MW9



MW10



MW11



MW11



MW12

Vapor Extraction Well Locations



VES5



VES5



VES5



VES6



VES14



VES15



VES16



VES16



VES17

Groundwater Extraction Well Locations



GWEX



SGWEX



SGWEX

Soil Gas Monitoring Well Locations



SGMW1



SGMW2



SGMW3



SGMW3



SGMW4



SGMW4



SGMW5

SGWEX Decommissioning





Appendix C:

Notice of Water Well Decommissioning Forms

Waverly Well Registration Numbers

Arranged by well number
(Appendix C order)

Well	Registration Number
MW1A	212251
MW1B	212252
MW1C	212253
MW2A	212254
MW3A	212255
MW4A	212256
MW4B	212257
MW5A	212258
MW5B	212259
MW5C	212260
MW5D	212261
MW5E	212262
MW6A	212263
MW6B	212264
MW6C	212265
MW7	212266
MW8	212267
MW9	212268
MW10	212269
MW11	212270
MW12	212271
VES1	212272
VES2	212273
VES3	212274
VES4	212275
VES5	212276
VES6	212277
VES7	216356
VES8	212278
VES9	212279
VES10	212280
VES11	212281
VES12	212282
VES13	212283
VES14	212284
VES15	212285
VES16	212286
VES17	212287
SGMW1	212288
SGMW2	212289
SGMW3	212290
SGMW4	212291
SGMW5	212292
GWEX	212293
SGWEX	212294

Arranged by registration number

Well	Registration Number
MW1A	212251
MW1B	212252
MW1C	212253
MW2A	212254
MW3A	212255
MW4A	212256
MW4B	212257
MW5A	212258
MW5B	212259
MW5C	212260
MW5D	212261
MW5E	212262
MW6A	212263
MW6B	212264
MW6C	212265
MW7	212266
MW8	212267
MW9	212268
MW10	212269
MW11	212270
MW12	212271
VES1	212272
VES2	212273
VES3	212274
VES4	212275
VES5	212276
VES6	212277
VES8	212278
VES9	212279
VES10	212280
VES11	212281
VES12	212282
VES13	212283
VES14	212284
VES15	212285
VES16	212286
VES17	212287
SGMW1	212288
SGMW2	212289
SGMW3	212290
SGMW4	212291
SGMW5	212292
GWEX	212293
SGWEX	212294
VES7	216356

Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. — NA —
08162011 - 212251 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name United States Dept. of Agriculture
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State DC Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Mora Bluff State NE Zip Code 68648 +
Email: lwsi@ntc.com

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. unk 3d. Date of Decommissioning. 7-16-11
3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E, W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 17.00
Longitude Degree: -96 Minute: 31 Second: 56.00
3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>30</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By
[Signature] Contractor (**owner) 8-12-11 Date

* * * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

RECEIVED

AUG 16 2011

MW 018

Oct 2007
DNR DECO

Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

**STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES**

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING

FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212252 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name United States Dept of Agriculture
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State DC Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68048 +
Email: wws@nwr.com

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lincoln County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 17.00
Longitude Degree: -96 Minute: 31 Second: 55.59

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>55</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc By: _____ Date 8-12-11
Contractor (**owner) _____ Date _____

* *Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

RECEIVED

AUG 16 2011

Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212253 - DECF LOWER PLATTÉ SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave SW Room 4719
City Washington State DC Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wwsi@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 17.00
Longitude Degree: -96 Minute: 31 Second: 55.58

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>84</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>concrete cap</u>
<u>5</u>	<u>0</u>	<u>Nature Soil</u>

5a. Well Casing Size: 2 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc
[Signature] 8-12-11
Contractor (**owner) Date

**Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

RECEIVED

AUG 16 2011

Submit to:
Department of Natural Resources
301 Centennial Mail South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212054 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: www@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11
3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 16.36
Longitude Degree: -96 Minute: 31 Second: 51.55
3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>30</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By: _____ Date 8-12-11
Contractor (**owner)

* * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212255 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wwsla@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. unk 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E 1/4 W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.32
Longitude Degree: -96 Minute: 31 Second: 57.36
3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>29</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: 4 1/2"

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By:
[Signature] _____ Date 8-12-11
Contractor (**owner)

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**Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred
The Department reserves the right to request verification of information provided. AUG 16 2011

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Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

**STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES**

This form is required to be filed
within 60 days of decommissioning
of the water well.

**NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY**

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212256 - NECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Mars Bluff State NE Zip Code 68648 +
Email: lwsia@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated: unk 3d. Date of Decommissioning: 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.33
Longitude Degree: -96 Minute: 31 Second: 53.00
3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
30	6	Bentonite Grout Slurry
6	5	Concrete cap
5	0	Native Soil

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By:
[Signature] 8-12-11
Contractor (**owner) Date

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. N/A
08162011 - 22257 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independance Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Maree Bluff State NE Zip Code 68648 +
Email: wnsi@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. Unk 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.34
Longitude Degree: -96 Minute: 31 Second: 53.00

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>54</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete cap</u>
<u>5</u>	<u>0</u>	<u>Native soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: Unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc; By:
[Signature] 8-12-11
Contractor (**owner) Date

**Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212258 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 14100 Independence Ave SW Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morsh Bluff State NE Zip Code 68648 +
Email: wnsi@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Mon/Toms
3c. Date Well Last Operated. unk 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: SE 1/4 of the NW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 22.00
Longitude Degree: -96 Minute: 31 Second: 50.00

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>27</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>concrete cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc
[Signature]
Contractor (**owner) 8-12-11 Date

**Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212259 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wrsi@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. Unk 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: SE 1/4 of the NW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.

OR Latitude Degree: 40 Minute: 55 Second: 22.03
Longitude Degree: -96 Minute: 31 Second: 50.00

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
53	6	Bentonite Grout Slurry
6	5	Concrete Cap
5	0	Native Soil

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc. By:

[Signature]

Contractor (**owner)

8-12-11

Date

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212260 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave SW Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wwsi@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: SE 1/4 of the NW 1/4 of Section 16, Township 11 North, Range 8 E, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 22.07
Longitude Degree: -96 Minute: 31 Second: 50.00
3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>73</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services, Inc By:
[Signature] Contractor (**owner) 8-12-11 Date

* *Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

mwood

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Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212261 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wws1@ntnr.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: SE 1/4 of the NW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.

OR Latitude Degree: 40 Minute: 55 Second: 22.11
Longitude Degree: -96 Minute: 31 Second: 50.00

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
82	6	Bentonite Grout Slurry
6	5	Concrete Cap
5	0	Nature Soil

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc By: _____

Contractor (**owner)

8-12-11

Date

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**Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212762 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independance Ave S.W Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wwsi@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: SE 1/4 of the NW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 22.17
Longitude Degree: -96 Minute: 31 Second: 50.00

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
53	6	Bentonite Grout Slurry
6	5	Concrete Cap
5	0	Native Soil

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc By: _____ Date 8-12-11
Contractor (**owner)

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Department of Natural Resources
501 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. N/A
08162011 - 212263 - DECF LOWER PLETTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independance Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morrin Bluff State NE Zip Code 68648 +
Email: hws1@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: SE 1/4 of the NW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 18.00
Longitude Degree: -96 Minute: 31 Second: 56.28

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>28</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 4" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc by
Michael J. Vandy 8-12-11
Contractor (**owner) Date

* *Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212264 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave SW Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wwwsi@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated: unk 3d. Date of Decommissioning: 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: SE 1/4 of the NW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.

OR Latitude Degree: 40 Minute: 55 Second: 18.00
Longitude Degree: -96 Minute: 31 Second: 56.10

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>52</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Nature soil</u>

5a. Well Casing Size: 4" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc By

[Signature]

Contractor (**owner)

8-12-11

Date

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212265 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wws1@nute.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: SE 1/4 of the NW 1/4 of Section 16, Township 11 North, Range 8 E 1/4 W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 18.00
Longitude Degree: -96 Minute: 31 Second: 55.59

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>89</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 4" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc. By: [Signature] 8-12-11
Contractor (**owner) Date

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* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212266 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wwsi@nwr.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. unk 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 05.08
Longitude Degree: -96 Minute: 31 Second: 51.41

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>29</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
webster well services inc. by
[Signature] 8-12-11
Contractor (**owner) Date

* * * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

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Submit to:
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Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

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of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212267 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State DC Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wusi@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. unk 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: SE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.

OR Latitude Degree: 40 Minute: 55 Second: 00.02
Longitude Degree: -96 Minute: 31 Second: 59.38

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>32</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete cap</u>
<u>5</u>	<u>0</u>	<u>Nature Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

webster well services inc. by:
[Signature]

8-12-11

Contractor (**owner)

Date

RECEIVED

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided. AUG 16 2011

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Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

**STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES**

This form is required to be filed
within 60 days of decommissioning
of the water well.

**NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY**

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212268 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave. S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Moravia Bluff State NE Zip Code 68648 +
Email: wwwsi@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: SW 1/4 of the NE 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 26.04
Longitude Degree: -96 Minute: 31 Second: 49.59

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
35	6	Bentonite Grout Slurry
6	5	Concrete Cap
5	0	Native Soil

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By: [Signature] 8-12-11
Contractor (**owner) Date

* * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

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Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212269 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wwsio@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3c. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NW 1/4 of the NE 1/4 of Section 16, Township 11 North, Range 8 EW, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 35.04
Longitude Degree: -96 Minute: 31 Second: 49.58

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>40</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc
Mund...
Contractor (**owner) _____ Date 8-12-11

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* * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
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of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212270 - DELF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____

OR Company Name USDA

Attention Name _____

Address 1400 Independence Ave S.W. Room 4719

City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 666 9222

Address P.O. Box 128 Contractor License No. 39495

City Moran Bluff State NE Zip Code 68648 +

Email: hwsi@ntnet.net

3a. Well Registration No. N/A

3b. Purpose of Well: Monitoring

3c. Date Well Last Operated. _____ 3d. Date of Decommissioning. _____

3e. List complete well location: Legal, Footage and/or GPS Coordinates

Well location: NW 1/4 of the NE 1/4 of Section 16, Township 11 North, Range 8 E, Lancaster County.

The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.

OR Latitude Degree: 40 Minute: 55 Second: 43.59

Longitude Degree: -96 Minute: 31 Second: 34.06

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
32	6	Bentonite Grout Slurry
6	5	Concrete Cap
5	0	Natural Soil

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc. By: [Signature] 8-12-11
Contractor (**owner) Date

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

HW12

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Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 212271 DELF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wwws@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Monitoring
3c. Date Well Last Operated. unk 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: SW 1/4 of the NE 1/4 of Section 16, Township 11 North, Range 8 E 1/2 W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 30.28
Longitude Degree: -96 Minute: 31 Second: 49.59

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>52</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By: _____ 8-12-11
Contractor (**owner) Date

* * * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Department of Natural Resources
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P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212272 - DELF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave. S.W. Room 4719
City Washington State DC Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 666 9222
Address P.O. Box 128 Contractor License No. 39495
City Moran Bluff State NE Zip Code 68648 +
Email: wnsi@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. Unk 3d. Date of Decommissioning. 7-11-11
3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E 1/4 W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 16.59
Longitude Degree: -96 Minute: 31 Second: 56.08
3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>31</u>	<u>6</u>	<u>Neat Cement grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc. by:
[Signature] 8-12-11
Contractor (**owner) Date

* * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. N/A
08162011 - 212273 - DECO LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave. S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 686-9222
Address P.O. Box 128 Contractor License No. 39495
City Morristown State NE Zip Code 68648 +
Email: wmsi@nrtc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 16.19
Longitude Degree: -96 Minute: 31 Second: 54.59

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>27</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: 4 1/2"

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc, by
Mark Weber Contractor (**owner) 8/12/11 Date

* * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

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301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

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of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212274 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave SW Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: hws1@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: vapor extraction
3c. Date Well Last Operated. unk 3d. Date of Decommissioning. 7-11-11
3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 16.59
Longitude Degree: -96 Minute: 31 Second: 53.53
3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>31</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>concrete cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By: [Signature] 8-12-11
Contractor (**owner) Date

* * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

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Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

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of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212275 - DECF LOWEL PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 666 9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wwsia@nwr.com

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.23
Longitude Degree: -96 Minute: 31 Second: 53.31

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
28	6	Neat Cement Slurry
6	5	Concrete Cap
5	0	Native Soil

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By 1
[Signature] 8-12-11
Contractor (**owner) Date

* *Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

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of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212276 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA

Attention Name _____
Address 1408 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morris Bluff State NE Zip Code 68648 +
Email: hws1@mtc.net

3a. Well Registration No. N/A

3b. Purpose of Well: Vapor Extraction

3c. Date Well Last Operated. unk 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.

OR Latitude Degree: 40 Minute: 55 Second: 16.59
Longitude Degree: -96 Minute: 31 Second: 51.01

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
26	6	Neat Cement Slurry
6	5	Concrete Cap
5	0	Natural Soil

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc. By
[Signature] 8-12-11
Contractor (**owner) Date

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212277 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: hnsi@hntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 16.01
Longitude Degree: -96 Minute: 31 Second: 51.44

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>27</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By: [Signature] 8-12-11
Contractor (**owner) Date

** Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

Submit to:
Department of Natural Resources
391 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 3/29/12 Owner Code No. 00538 Registration No. NA
03292012 - 216356 - DECF Well ID LOWER PLATE SOUTH NRD

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA

Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wwsi@nate.net

3a. Well Registration No. N/A

3b. Purpose of Well: Vapor Extraction

3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-16-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.

OR Latitude Degree: 40 Minute: 55 Second: 15.59
Longitude Degree: 96 Minute: 31 Second: 53.00

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>29</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>concrete cap</u>
<u>5</u>	<u>0</u>	<u>Native soil</u>

5a. Well Casing Size: 2 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

webster well services inc. By
[Signature]

8-12-11

Contractor (**owner)

Date

* *Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

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Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212278 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1408 Independence Ave. S.W. Room 4719
City Washington State DC Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wusi@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

5e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E, W 1/4, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.59
Longitude Degree: -96 Minute: 31 Second: 54.03

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>21</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc. By:
Member of Staff

8-12-11

Contractor (**owner)

Date

* * * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. — N/A —
08162011 - 212279 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 666 9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wnsi@nrtc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.59
Longitude Degree: -96 Minute: 31 Second: 55.37

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>18</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>concrete cap</u>
<u>5</u>	<u>0</u>	<u>NATURAL SOIL</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By:
[Signature] 8-12-11
Contractor (**owner) Date

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
0816291 - 21280 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc. Telephone Number (402) 668-9222
Address P.O. Box 128 Contractor License No. 39495
City Mercer Bluff State NE Zip Code 68648 +
Email: wvs@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. unk 3d. Date of Decommissioning. 7-12-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.59
Longitude Degree: -96 Minute: 31 Second: 57.03

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>11</u>	<u>6</u>	<u>neat cement slurry</u>
<u>6</u>	<u>5</u>	<u>concrete cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc. By:
[Signature] 8-12-11
Contractor (**owner) Date

* * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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301 Centennial Mall South
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Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162001 - 212781 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc. Telephone Number 402 666 9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68448 +
Email: hwsi@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11
3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E 1/2 W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.03
Longitude Degree: -96 Minute: 31 Second: 55.03
3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>17</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc By: _____ Date 8-12-11
Contractor (**owner)

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. —NA—
08162011 - 212282 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave SW Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 666 9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wws@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. unk 3d. Date of Decommissioning. 7-11-11
3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.03
Longitude Degree: -96 Minute: 31 Second: 53.42
3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>16</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By:
[Signature] 8-12-11
Contractor (**owner) Date

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

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301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08/62011 - 212283 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave SW Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Mora Bluff State NE Zip Code 68648
Email: husi@nwr.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.03
Longitude Degree: -96 Minute: 31 Second: 52.13

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>22</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>concrete cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc. By:
Michael J. [Signature] Date 8-12-11
Contractor (**owner)

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**Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212784 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave SW Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 666-9227
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wws@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E, W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.03
Longitude Degree: -96 Minute: 31 Second: 51.03

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>27</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc By: [Signature] 8-12-11
Contractor (**owner) Date

* * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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301 Centennial Mall South
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Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212285 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc. Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Moravia Bluff State NE Zip Code 68648 +
Email: wws1@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Water Extraction
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 16.29
Longitude Degree: -96 Minute: 31 Second: 58.59

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>20</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By: [Signature] 8-12-11
Contractor (**owner) Date

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212286 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave SW Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wnsi@ntnet.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated: UNK 3d. Date of Decommissioning: 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W , Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.

OR Latitude Degree: 40 Minute: 55 Second: 14.40
Longitude Degree: -96 Minute: 31 Second: 58.40

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>21</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>concrete cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc
[Signature] Date 8-12-11
Contractor (**owner)

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

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Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 21287 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morrison Bluff State NE Zip Code 68648 +
Email: lwsi@net.net

3a. Well Registration No. N/A
3b. Purpose of Well: Vapor Extraction
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E, W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 14.41
Longitude Degree: -96 Minute: 31 Second: 57.04

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>22</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 2" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc By: [Signature] Date 8-12-11
Contractor (**owner)

* * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

This form is required to be filed
within 60 days of decommissioning
of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212288 - DECF LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 686-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wnsi@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Soil Gas Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 16.01
Longitude Degree: -96 Minute: 31 Second: 58.40

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>18</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Natural Soil</u>

5a. Well Casing Size: 1" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc. By
[Signature] 8-12-11
Contractor (**owner) Date

* ** Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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DNR DECO

Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

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NOTICE OF WATER WELL DECOMMISSIONING
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Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212289 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: hwsi@nntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Soil Gas Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-12-11
3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E 1/2 W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 16.25
Longitude Degree: -96 Minute: 31 Second: 55.46

3f. Location of Water Use: _____

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>20</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 1" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc. By
[Signature] 8-12-11
Contractor (**owner) Date

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* * Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided.

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DNR DECO

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Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
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STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

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NOTICE OF WATER WELL DECOMMISSIONING

FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212290 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave SW Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: www@nrtc.net

3a. Well Registration No. N/A

3b. Purpose of Well: Soil Gas Monitoring

3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.

OR Latitude Degree: 40 Minute: 55 Second: 16.45
Longitude Degree: -96 Minute: 31 Second: 54.39

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>22</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 1" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.

Webster Well Services Inc by
[Signature] 8-12-11
Contractor (**owner) Date

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AUG 16 2011

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Department of Natural Resources
301 Centennial Mall South
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Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

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NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212291 - DECL LOWER PLATE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independence Ave SW Room 4719
City Washington State D.C. Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (412) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648 +
Email: wws@nrc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Soil Gas Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.59
Longitude Degree: -96 Minute: 31 Second: 52.09

3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>20</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Natural Soil</u>

5a. Well Casing Size: 1" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. by
Mark A. ... Contractor (**owner) 8-12-11 Date

* *Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

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of the water well.

NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212292 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USA
Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State D.C. Zip 20250 Telephone _____
2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 668 9222
Address P.O. Box 128 Contractor License No. 39495
City Morrison Bluff State NE Zip Code 68648 +
Email: wws@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Soil Gas Monitoring
3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11
3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 15.29
Longitude Degree: -96 Minute: 31 Second: 56.15
3f. Location of Water Use: N/A

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>20</u>	<u>6</u>	<u>Neat Cement Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 1" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc By:
[Signature] 8-12-11
Contractor (**owner) Date

GWH

Oct 2007
DNR DECO

Submit to:
Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

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NOTICE OF WATER WELL DECOMMISSIONING
FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. NA
08162011 - 212293 - DECF LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA
Attention Name _____
Address 1400 Independance Ave S.W. Room 4719
City Washington State DC Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number (402) 666-9222
Address P.O. Box 128 Contractor License No. 39495
City Morse Bluff State NE Zip Code 68648
Email: wws@ntc.net

3a. Well Registration No. N/A
3b. Purpose of Well: Ground water Extraction
3c. Date Well Last Operated. unk 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NE 1/4 of the SW 1/4 of Section 16, Township 11 North, Range 8 E W, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.
OR Latitude Degree: 40 Minute: 55 Second: 17.01
Longitude Degree: -96 Minute: 31 Second: 54.06

3f. Location of Water Use: Lancaster County

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
48	6	Bentonite Grout Slurry
6	5	Concrete Cap
5	0	Natue Soil

5a. Well Casing Size: 8" 5b. Bore Hole Diameter: unk

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc. By: Mike Asad 8-12-11
Contractor (**owner) Date

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred

The Department reserves the right to request verification of information provided. AUG 16 2011

SG-WFX

Oct 2007
DNR DECO

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Department of Natural Resources
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
Phone (402) 471 2363

STATE OF NEBRASKA
DEPARTMENT OF NATURAL RESOURCES

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of the water well.

NOTICE OF WATER WELL DECOMMISSIONING

FOR DEPARTMENT USE ONLY

Date Filed 8/16/11 Owner Code No. 60538 Registration No. N/A
08662011 - 212294 - DEC LOWER PLATTE SOUTH NRD
Well ID

1. Well Owner's First Name _____ Last Name _____
OR Company Name USDA

Attention Name _____
Address 1400 Independence Ave S.W. Room 4719
City Washington State DC Zip 20250 Telephone _____

2. Contractor (if applicable) Webster Well Services Inc Telephone Number 402 668-9272
Address P.O. Box 128 Contractor License No. 39495
City Moxie Bluff State NE Zip Code 68648 +
Email: wwsi@att.net

3a. Well Registration No. N/A

3b. Purpose of Well: Ground water extraction

3c. Date Well Last Operated. UNK 3d. Date of Decommissioning. 7-11-11

3e. List complete well location: Legal, Footage and/or GPS Coordinates
Well location: NW 1/4 of the NE 1/4 of Section 16, Township 11 North, Range 8 E, Lancaster County.
The well is _____ feet from the (N or S) section line and _____ feet from the (E W) section line.

OR Latitude Degree: 40 Minute: 55 Second: 34.05
Longitude Degree: -96 Minute: 31 Second: 49.27

3f. Location of Water Use: Lancaster County

4. Actual Method for Decommissioning of Well

Placement Depth in Feet		Detailed Description of Material
From	To	
<u>45</u>	<u>6</u>	<u>Bentonite Grout Slurry</u>
<u>6</u>	<u>5</u>	<u>Concrete Cap</u>
<u>5</u>	<u>0</u>	<u>Native Soil</u>

5a. Well Casing Size: 10" 5b. Bore Hole Diameter: UNK

I hereby certify that the information provided on this form is true and accurate to the best of my knowledge.
Webster Well Services Inc By: _____ Date 8-12-11
Contractor (**owner)

* **Owner may sign on wells prior to 7/1/2001 or sandpoint or if well no longer exists and it is unknown when decommissioning occurred



Environmental Science Division

Argonne National Laboratory
9700 South Cass Avenue, Bldg. 203
Argonne, IL 60439-4843
www.anl.gov



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ENERGY

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