



FORMER NEBRASKA ORDNANCE PLANT

SUMMARY REPORT FOURTH QUARTER 2007

SURFACE WATER WATER SUPPLY WELL

April 2008

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April 8, 2008

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U.S. Army Corps of Engineers, Kansas City District
Attn: Jerry Montgomery
601 East 12th Street
Kansas City, MO 64106-2896

Re: Transmittal of Data Summary Report
Fourth Quarter 2007 Data Summary Report
Former Nebraska Ordnance Plant, Mead, Nebraska
Contract No. W912DQ-04-D-0017, Task Order No. 0001

Dear Mr. Montgomery:

ECC is hereby transmitting the Data Summary Report for the Fourth Quarter 2007 Sampling Events at the former Nebraska Ordnance Plant, Mead, Nebraska.

Please contact Mr. Brady Bigelow or me if you require additional information.

Sincerely,

John Ryder
Project Chemist
ECC

Enclosures
Cc: Mr. Ed Southwick (NDEQ)
Mr. Scott Marquess (EPA)

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ECC

Memorandum

Date: April 8, 2008

To: USACE-KCD

From: ECC

Subject: Summary Report

Fourth Quarter 2007 Analytical Results (Validated)
Water Supply Well and Surface Water Sampling Events
Former Nebraska Ordnance Plant, Mead, Nebraska

ECC is providing this Summary Report memorandum as a review of the fourth quarter 2007 validated analytical data from the water supply well (WSW) and surface water (SW) sampling events at the Mead former Nebraska Ordnance Plant. The fourth quarter 2007 WSW sampling event was performed in accordance with the *Draft Final Work Plan and Sampling and Analysis Plan for Water Supply Wells* (ECC, 2006) and the *Draft Final Work Plan and Sampling and Analysis Plan for Groundwater Monitoring Well Sampling* (ECC, 2006), respectively. The fourth quarter 2007 SW sampling event was performed in accordance with the MW Work Plan and Sampling and Analysis Plan Appendix A, *Draft Final Surface Water Work Plan* (ECC, 2006). The number of samples collected, analyses performed, and any deviations from the sampling activities outlined in the respective Work Plan and Sampling and Analysis Plan are described below for each event.

Fourth Quarter 2007 Water Supply Well Sampling Event

15 water supply well locations were sampled during the Fourth Quarter 2007 WSW sampling event. All 15 samples were analyzed for volatile organic compounds (VOCs) and explosives. Three water supply well locations listed on the sampling schedule were not sampled. One of the wells was at a vacant home, one was frozen at the time of sampling, and the field sampling team was unable to obtain access to one. All other samples were collected as planned.

Fourth Quarter 2007 Surface Water Sampling Event

14 surface water locations were sampled during the fourth quarter 2007 SW sampling event. All samples were analyzed for VOCs and explosives. All samples were collected as planned.

The fourth quarter 2007 validated analytical results are presented in Table WSW-1 (results) and Table WSW-2 (detections) for water supply wells and Table SW-1 (results) and Table SW-2 (detections) for surface water. The fourth quarter 2007 validated results for groundwater contaminants of concern (COCs) identified in the 1997 Operable Unit 2 (OU2) Record of Decision (ROD) are presented in Table SW-3 for surface water. There were no detections for COCs at any of the WSW locations during the fourth quarter 2007 WSW sampling event. The fourth quarter 2007 sampled locations are presented in Figure WSW-1 for water supply wells and Figure SW-1 for surface water.

ECC

Results were validated in accordance with the *Kansas City District Data Quality Evaluation Guidance* (USACE, 2003) and the *Data Quality Evaluation Guidance, USACE CENWK-EC-EF* (USACE, 2001) outlined in the Quality Assurance Project Plans (ECC, 2005). The data quality evaluations for each event are discussed in the following three Quality Control Summary Reports:

- *Quality Control Summary Report, Fourth Quarter 2007 Water Supply Well Sampling Event* (ECC, 2007)
- *Quality Control Summary Report, Fourth Quarter 2007 Surface Water Sampling Event* (ECC, 2007).

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells

	Station ID:	WSW-055	WSW-073	WSW-074	WSW-075	WSW-077	WSW-079
	Field Sample ID:	055-122007	073-122007	074-122007	075-122007	077-122007	079-122007
	Lab Sample ID:	734344	734357	734356	734362	734354	734355
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/5/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
1,1-Dichloroethane	ug/l	0.5 U					
1,1-Dichloroethene	ug/l	0.5 U					
1,1-Dichloropropene	ug/l	0.5 U					
1,1,1-Trichloroethane	ug/l	0.5 U					
1,1,1,2-Tetrachloroethane	ug/l	0.5 U					
1,1,2,2-Tetrachloroethane	ug/l	0.5 U					
1,1,2-Trichloroethane	ug/l	0.5 U					
1,2-Dibromo-3-chloropropane	ug/l	0.5 U					
1,2-Dibromoethane	ug/l	0.5 U					
1,2-Dichlorobenzene	ug/l	0.5 U					
1,2-Dichloroethane	ug/l	0.5 U					
1,2-Dichloropropane	ug/l	0.5 U					
1,2,3-Trichlorobenzene	ug/l	0.5 U					
1,2,3-Trichloropropane	ug/l	0.5 U					
1,2,4-Trichlorobenzene	ug/l	0.5 U					
1,3-Dichlorobenzene	ug/l	0.5 U					
1,3-Dichloropropane	ug/l	0.5 U					
1,3,5-Trimethylbenzene	ug/l	0.5 U					
1,4-Dichlorobenzene	ug/l	0.5 U					
2-Butanone	ug/l	5 U	5 U	5 U	5 U	5 U	5 U
2-Chlorotoluene	ug/l	0.5 U					
2-Hexanone	ug/l	2.5 U					
2,2-Dichloropropane	ug/l	0.5 U					
4-Chlorotoluene	ug/l	0.5 U					
Acetone	ug/l	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/l	0.5 U					

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells

	Station ID:	WSW-055	WSW-073	WSW-074	WSW-075	WSW-077	WSW-079
	Field Sample ID:	055-122007	073-122007	074-122007	075-122007	077-122007	079-122007
	Lab Sample ID:	734344	734357	734356	734362	734354	734355
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/5/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
Bromobenzene	ug/l	0.5 U					
Bromochloromethane	ug/l	0.5 U					
Bromodichloromethane	ug/l	0.5 U					
Bromoform	ug/l	0.5 U					
Bromomethane	ug/l	0.5 U					
Carbon disulfide	ug/l	0.5 U					
Carbon tetrachloride	ug/l	0.5 U					
Chlorobenzene	ug/l	0.5 U					
Chloroethane	ug/l	0.5 U					
Chloroform	ug/l	0.5 U					
Chloromethane	ug/l	0.5 U					
cis-1,2-Dichloroethene	ug/l	0.5 U					
cis-1,3-Dichloropropene	ug/l	0.5 U					
Dibromochloromethane	ug/l	0.5 U					
Dibromomethane	ug/l	0.5 U					
Dichlorodifluoromethane	ug/l	0.5 U					
Ethylbenzene	ug/l	0.5 U					
Hexachlorobutadiene	ug/l	0.5 U					
Isopropylbenzene	ug/l	0.5 U					
Methyl tert butyl ether	ug/l	0.5 U					
Methylene chloride	ug/l	0.5 U					
m,p-Xylene	ug/l	0.5 U					
Naphthalene	ug/l	0.5 U					
n-Butylbenzene	ug/l	0.5 U					
n-Propylbenzene	ug/l	0.5 U					
o-Xylene	ug/l	0.5 U					

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells

	WSW-055	WSW-073	WSW-074	WSW-075	WSW-077	WSW-079
Field Sample ID:	055-122007	073-122007	074-122007	075-122007	077-122007	079-122007
Lab Sample ID:	734344	734357	734356	734362	734354	734355
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/5/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
Field QC:	Original Sample					
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units					
p-Isopropyltoluene	ug/l	0.5 U				
Styrene	ug/l	0.5 U				
tert-Butylbenzene	ug/l	0.5 U				
Tetrachloroethene	ug/l	0.5 U				
Toluene	ug/l	0.5 U				
trans-1,2-Dichloroethene	ug/l	0.5 U				
trans-1,3-Dichloropropene	ug/l	0.5 U				
Trichloroethene	ug/l	0.5 U				
Trichlorofluoromethane	ug/l	0.5 U				
Vinyl chloride	ug/l	0.5 U				
Xylene (Total)	ug/l	0.5 U				
Explosives	Units					
1,3-Dinitrobenzene	ug/l	0.25 U				
1,3,5-Trinitrobenzene	ug/l	0.25 U				
2-Amino-4,6-Dinitrotoluene	ug/l	0.25 U				
2-Nitrotoluene	ug/l	0.25 U				
2,4-Dinitrotoluene	ug/l	0.25 U				
2,4,6-Trinitrotoluene	ug/l	0.25 U				
2,6-Dinitrotoluene	ug/l	0.25 U				
3-Nitrotoluene	ug/l	0.25 U				
4-Amino-2,6-Dinitrotoluene	ug/l	0.25 U				
4-Nitrotoluene	ug/l	0.25 U				
HMX	ug/l	0.25 U				
Nitrobenzene	ug/l	0.25 U				
RDX	ug/l	0.25 U				

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells						
Station ID:	WSW-055	WSW-073	WSW-074	WSW-075	WSW-077	WSW-079
Field Sample ID:	055-122007	073-122007	074-122007	075-122007	077-122007	079-122007
Lab Sample ID:	734344	734357	734356	734362	734354	734355
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/5/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
Field QC:	Original Sample					
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
Explosives	Units					
Tetryl	ug/l	0.25 U				

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells							
	Station ID:	WSW-086	WSW-087	WSW-095	WSW-096	WSW-103	WSW-104
	Field Sample ID:	086-122007	087-122007	095-122007	096-122007	0103-122007	0104-122007
	Lab Sample ID:	734358	734360	734361	734351	734350	734348
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
1,1-Dichloroethane	ug/l	0.5 U					
1,1-Dichloroethene	ug/l	0.5 U					
1,1-Dichloropropene	ug/l	0.5 U					
1,1,1-Trichloroethane	ug/l	0.5 U					
1,1,1,2-Tetrachloroethane	ug/l	0.5 U					
1,1,2,2-Tetrachloroethane	ug/l	0.5 U					
1,1,2-Trichloroethane	ug/l	0.5 U					
1,2-Dibromo-3-chloropropane	ug/l	0.5 U					
1,2-Dibromoethane	ug/l	0.5 U					
1,2-Dichlorobenzene	ug/l	0.5 U					
1,2-Dichloroethane	ug/l	0.5 U					
1,2-Dichloropropane	ug/l	0.5 U					
1,2,3-Trichlorobenzene	ug/l	0.5 U					
1,2,3-Trichloropropane	ug/l	0.5 U					
1,2,4-Trichlorobenzene	ug/l	0.5 U					
1,3-Dichlorobenzene	ug/l	0.5 U					
1,3-Dichloropropane	ug/l	0.5 U					
1,3,5-Trimethylbenzene	ug/l	0.5 U	0.58	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/l	0.5 U					
2-Butanone	ug/l	5 U	5 U	5 U	5 U	5 U	5 U
2-Chlorotoluene	ug/l	0.5 U					
2-Hexanone	ug/l	2.5 U					
2,2-Dichloropropane	ug/l	0.5 U					
4-Chlorotoluene	ug/l	0.5 U					
Acetone	ug/l	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/l	0.5 U					

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells

	Station ID:	WSW-086	WSW-087	WSW-095	WSW-096	WSW-103	WSW-104
	Field Sample ID:	086-122007	087-122007	095-122007	096-122007	0103-122007	0104-122007
	Lab Sample ID:	734358	734360	734361	734351	734350	734348
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
Bromobenzene	ug/l	0.5 U					
Bromochloromethane	ug/l	0.5 U					
Bromodichloromethane	ug/l	0.5 U					
Bromoform	ug/l	0.5 U					
Bromomethane	ug/l	0.5 U					
Carbon disulfide	ug/l	0.5 U					
Carbon tetrachloride	ug/l	0.5 U					
Chlorobenzene	ug/l	0.5 U					
Chloroethane	ug/l	0.5 U					
Chloroform	ug/l	0.5 U	0.24 J				
Chloromethane	ug/l	0.5 U					
cis-1,2-Dichloroethene	ug/l	0.5 U					
cis-1,3-Dichloropropene	ug/l	0.5 U					
Dibromochloromethane	ug/l	0.5 U					
Dibromomethane	ug/l	0.5 U					
Dichlorodifluoromethane	ug/l	0.5 U					
Ethylbenzene	ug/l	0.5 U	0.57	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	ug/l	0.5 U					
Isopropylbenzene	ug/l	0.5 U					
Methyl tert butyl ether	ug/l	0.5 U					
Methylene chloride	ug/l	0.5 U					
m,p-Xylene	ug/l	0.5 U	2.4	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	ug/l	0.5 U					
n-Butylbenzene	ug/l	0.5 U					
n-Propylbenzene	ug/l	0.5 U					
o-Xylene	ug/l	0.5 U	0.63	0.5 U	0.5 U	0.5 U	0.5 U

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells

	WSW-086	WSW-087	WSW-095	WSW-096	WSW-103	WSW-104
Field Sample ID:	086-122007	087-122007	095-122007	096-122007	0103-122007	0104-122007
Lab Sample ID:	734358	734360	734361	734351	734350	734348
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
Field QC:	Original Sample					
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units					
p-Isopropyltoluene	ug/l	0.5 U				
Styrene	ug/l	0.5 U				
tert-Butylbenzene	ug/l	0.5 U				
Tetrachloroethene	ug/l	0.5 U				
Toluene	ug/l	0.5 U				
trans-1,2-Dichloroethene	ug/l	0.5 U				
trans-1,3-Dichloropropene	ug/l	0.5 U				
Trichloroethene	ug/l	0.5 U				
Trichlorofluoromethane	ug/l	0.5 U				
Vinyl chloride	ug/l	0.5 U				
Xylene (Total)	ug/l	0.5 U	3.2	0.5 U	0.5 U	0.5 U
Explosives	Units					
1,3-Dinitrobenzene	ug/l	0.25 U				
1,3,5-Trinitrobenzene	ug/l	0.25 U				
2-Amino-4,6-Dinitrotoluene	ug/l	0.25 U				
2-Nitrotoluene	ug/l	0.25 U				
2,4-Dinitrotoluene	ug/l	0.25 U				
2,4,6-Trinitrotoluene	ug/l	0.25 U				
2,6-Dinitrotoluene	ug/l	0.25 U				
3-Nitrotoluene	ug/l	0.25 U				
4-Amino-2,6-Dinitrotoluene	ug/l	0.25 U				
4-Nitrotoluene	ug/l	0.25 U				
HMX	ug/l	0.25 U				
Nitrobenzene	ug/l	0.25 U				
RDX	ug/l	0.25 U				

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells						
Station ID:	WSW-086	WSW-087	WSW-095	WSW-096	WSW-103	WSW-104
Field Sample ID:	086-122007	087-122007	095-122007	096-122007	0103-122007	0104-122007
Lab Sample ID:	734358	734360	734361	734351	734350	734348
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007	12/6/2007
Field QC:	Original Sample					
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
Explosives	Units					
Tetryl	ug/l	0.25 U				

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells

	Station ID:	WSW-105	WSW-109	WSW-110
	Field Sample ID:	0105-122007	0109-122007	0110-122007
	Lab Sample ID:	734359	734352	734353
	Lab Name:	TALVT	TALVT	TALVT
	Sample Date:	12/6/2007	12/6/2007	12/6/2007
	Field QC:	Original Sample	Original Sample	Original Sample
Analysis Information:	I 1	I 1	I 1	
VOCs	Units			
1,1-Dichloroethane	ug/l	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/l	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	ug/l	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	ug/l	0.5 U	0.5 U	0.5 U
1,1,1,2-Tetrachloroethane	ug/l	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	ug/l	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	ug/l	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	ug/l	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	ug/l	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	ug/l	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	ug/l	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	ug/l	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	ug/l	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	ug/l	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/l	0.5 U	0.5 U	0.5 U
2-Butanone	ug/l	5 U	5 U	5 U
2-Chlorotoluene	ug/l	0.5 U	0.5 U	0.5 U
2-Hexanone	ug/l	2.5 U	2.5 U	2.5 U
2,2-Dichloropropane	ug/l	0.5 U	0.5 U	0.5 U
4-Chlorotoluene	ug/l	0.5 U	0.5 U	0.5 U
Acetone	ug/l	5 U	5 U	5 U
Benzene	ug/l	0.5 U	0.5 U	0.5 U

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells

	Station ID:	WSW-105	WSW-109	WSW-110
	Field Sample ID:	0105-122007	0109-122007	0110-122007
	Lab Sample ID:	734359	734352	734353
	Lab Name:	TALVT	TALVT	TALVT
	Sample Date:	12/6/2007	12/6/2007	12/6/2007
	Field QC:	Original Sample	Original Sample	Original Sample
Analysis Information:	I 1	I 1	I 1	
VOCs	Units			
Bromobenzene	ug/l	0.5 U	0.5 U	0.5 U
Bromochloromethane	ug/l	0.5 U	0.5 U	0.5 U
Bromodichloromethane	ug/l	0.5 U	0.5 U	0.5 U
Bromoform	ug/l	0.5 U	0.5 U	0.5 U
Bromomethane	ug/l	0.5 U	0.5 U	0.5 U
Carbon disulfide	ug/l	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	ug/l	0.5 U	0.5 U	0.5 U
Chlorobenzene	ug/l	0.5 U	0.5 U	0.5 U
Chloroethane	ug/l	0.5 U	0.5 U	0.5 U
Chloroform	ug/l	0.5 U	0.5 U	0.5 U
Chloromethane	ug/l	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/l	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	ug/l	0.5 U	0.5 U	0.5 U
Dibromochloromethane	ug/l	0.5 U	0.5 U	0.5 U
Dibromomethane	ug/l	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	ug/l	0.5 U	0.5 U	0.5 U
Ethylbenzene	ug/l	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	ug/l	0.5 U	0.5 U	0.5 U
Isopropylbenzene	ug/l	0.5 U	0.5 U	0.5 U
Methyl tert butyl ether	ug/l	0.5 U	0.5 U	0.5 U
Methylene chloride	ug/l	0.5 U	0.5 U	0.5 U
m,p-Xylene	ug/l	0.5 U	0.5 U	0.5 U
Naphthalene	ug/l	0.5 U	0.5 U	0.5 U
n-Butylbenzene	ug/l	0.5 U	0.5 U	0.5 U
n-Propylbenzene	ug/l	0.5 U	0.5 U	0.5 U
o-Xylene	ug/l	0.5 U	0.5 U	0.5 U

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells

	WSW-105	WSW-109	WSW-110
Field Sample ID:	0105-122007	0109-122007	0110-122007
Lab Sample ID:	734359	734352	734353
Lab Name:	TALVT	TALVT	TALVT
Sample Date:	12/6/2007	12/6/2007	12/6/2007
Field QC:	Original Sample	Original Sample	Original Sample
Analysis Information:	I 1	I 1	I 1
VOCs	Units		
p-Isopropyltoluene	ug/l	0.5 U	0.5 U
Styrene	ug/l	0.30 J	0.5 U
tert-Butylbenzene	ug/l	0.5 U	0.5 U
Tetrachloroethene	ug/l	0.5 U	0.5 U
Toluene	ug/l	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/l	0.5 U	0.5 U
trans-1,3-Dichloropropene	ug/l	0.5 U	0.5 U
Trichloroethene	ug/l	0.5 U	0.5 U
Trichlorofluoromethane	ug/l	0.5 U	0.5 U
Vinyl chloride	ug/l	0.5 U	0.5 U
Xylene (Total)	ug/l	0.5 U	0.5 U
Explosives	Units		
1,3-Dinitrobenzene	ug/l	0.25 U	0.25 U
1,3,5-Trinitrobenzene	ug/l	0.25 U	0.25 U
2-Amino-4,6-Dinitrotoluene	ug/l	0.25 U	0.25 U
2-Nitrotoluene	ug/l	0.25 U	0.25 U
2,4-Dinitrotoluene	ug/l	0.25 U	0.25 U
2,4,6-Trinitrotoluene	ug/l	0.25 U	0.25 U
2,6-Dinitrotoluene	ug/l	0.25 U	0.25 U
3-Nitrotoluene	ug/l	0.25 U	0.25 U
4-Amino-2,6-Dinitrotoluene	ug/l	0.25 U	0.25 U
4-Nitrotoluene	ug/l	0.25 U	0.25 U
HMX	ug/l	0.25 U	0.25 U
Nitrobenzene	ug/l	0.25 U	0.25 U
RDX	ug/l	0.25 U	0.25 U

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells

Station ID:	WSW-105	WSW-109	WSW-110
Field Sample ID:	0105-122007	0109-122007	0110-122007
Lab Sample ID:	734359	734352	734353
Lab Name:	TALVT	TALVT	TALVT
Sample Date:	12/6/2007	12/6/2007	12/6/2007
Field QC:	Original Sample	Original Sample	Original Sample
Analysis Information:	I 1	I 1	I 1

Explosives	Units
Tetryl	ug/l

Table WSW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Notes:

U = Not Detected: A result followed by a "U" qualifier means that the analyte was not detected at the given quantitation limit by the laboratory instrument.

J = Detected, Estimated: A result followed by a "J" qualifier means that the analyte was detected, but there is some question that the reported concentration is accurate. This may be because the analyte was detected below the quantitation limit, or because one or more quality control indicators did not meet acceptance criteria.

UJ = Not Detected, Estimated: A result followed by a "UJ" qualifier means that the analyte was not detected, but the associated quantitation limit is not certain (or estimated) because one or more laboratory quality control indicators did not meet acceptance criteria.

ug/l = micrograms per liter

TALVT = Test America Laboratories, Vermont

ID = Identification

QC = Quality Control

VOCs = Volatile Organic Compounds

HMX = Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine

RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine

Tetryl = Methyl-2,4,6-trinitrophenylnitramine

I = Initial analysis

"I" = Dilution factor

Table WSW-2
Detections - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Water Supply Wells

Station ID:	WSW-087	WSW-104	WSW-105
Field Sample ID:	087-122007	0104-122007	0105-122007
Lab Sample ID:	734360	734348	734359
Lab Name:	TALVT	TALVT	TALVT
Sample Date:	12/6/2007	12/6/2007	12/6/2007
Field QC:	Original Sample	Original Sample	Original Sample
Analysis Information:	I 1	I 1	I 1
VOCs	Units		
1,3,5-Trimethylbenzene	ug/l	0.58	
Chloroform	ug/l		0.24 J
Ethylbenzene	ug/l	0.57	
m,p-Xylene	ug/l	2.4	
o-Xylene	ug/l	0.63	
Styrene	ug/l		0.30 J
Xylene (Total)	ug/l	3.2	

Table WSW-2
Detections - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Water Supply Well Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Notes:

J = Detected, Estimated: A result followed by a "J" qualifier means that the analyte was detected, but there is some question that the reported concentration is accurate. This may be because the analyte was detected below the quantitation limit, or because one or more quality control indicators did not meet acceptance criteria.

ug/l = micrograms per liter

TALVT = Test America Laboratories, Vermont

ID = Identification

QC = Quality Control

VOCs = Volatile Organic Compounds

I = Initial analysis

"I" = Dilution factor

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

Station ID:	ARTESIAN	ARTESIAN	ARTESIAN	SCW-004	SCW-004	SCW-005
Field Sample ID:	0ART-122007	0ART-122007	0ART-122007	SCW-004-122007	SCW-004-122007	SCW-005-122007
Lab Sample ID:	734031	734031D1	734031R1	734024	734024R1	734026
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007
Field QC:	Original Sample					
Analysis Information:	I 1	DL 2.9	I 1	I 1	I 1	I 1
VOCs	Units					
1,1-Dichloroethane	ug/l	1 U		1 U		1 U
1,1-Dichloroethene	ug/l	1 U		1 U		1 U
1,1-Dichloropropene	ug/l	1 U		1 U		1 U
1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U
1,1,1,2-Tetrachloroethane	ug/l	1 U		1 U		1 U
1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U
1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U
1,1,2-Trichlorotrifluoroethane	ug/l	1 U		1 U		1 U
1,2-Dibromo-3-chloropropane	ug/l	1 U		1 U		1 U
1,2-Dibromoethane	ug/l	1 U		1 U		1 U
1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U
1,2-Dichloroethane	ug/l	1 U		1 U		1 U
1,2-Dichloroethene	ug/l	0.36 J		1 U		1 U
1,2-Dichloropropane	ug/l	1 U		1 U		1 U
1,2,3-Trichlorobenzene	ug/l	1 U		1 U		1 U
1,2,4-Trichlorobenzene	ug/l	1 U		1 U		1 U
1,2,4-Trimethylbenzene	ug/l	1 U		1 U		1 U
1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U
1,3-Dichloropropane	ug/l	1 U		1 U		1 U
1,3,5-Trimethylbenzene	ug/l	1 U		1 U		1 U
1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U
2-Butanone	ug/l	5 U		5 U		5 U
2-Chlorotoluene	ug/l	1 U		1 U		1 U
2-Hexanone	ug/l	5 U		5 U		5 U
4-Chlorotoluene	ug/l	1 U		1 U		1 U
4-Isopropyltoluene	ug/l	1 U		1 U		1 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	Station ID:	ARTESIAN	ARTESIAN	ARTESIAN	SCW-004	SCW-004	SCW-005
	Field Sample ID:	0ART-122007	0ART-122007	0ART-122007	SCW-004-122007	SCW-004-122007	SCW-005-122007
	Lab Sample ID:	734031	734031D1	734031R1	734024	734024R1	734026
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	DL 2.9	I 1	I 1	I 1	I 1
VOCs	Units						
4-Methyl-2-pentanone	ug/l	5 U		5 U			5 U
Acetone	ug/l	5 U		2.6 J			2.3 J
Benzene	ug/l	1 U		1 U			1 U
Bromobenzene	ug/l	1 U		1 U			1 U
Bromochloromethane	ug/l	1 U		1 U			1 U
Bromodichloromethane	ug/l	1 U		1 U			1 U
Bromoform	ug/l	1 U		1 U			1 U
Bromomethane	ug/l	1 U		1 U			1 U
Carbon disulfide	ug/l	1 U		1 U			1 U
Carbon tetrachloride	ug/l	1 U		1 U			1 U
Chlorobenzene	ug/l	1 U		1 U			1 U
Chloroethane	ug/l	1 U		1 U			1 U
Chloroform	ug/l	1 U		1 U			1 U
Chloromethane	ug/l	1 U		1 U			1 U
cis-1,2-Dichloroethene	ug/l	0.36 J		1 U			1 U
cis-1,3-Dichloropropene	ug/l	1 U		1 U			1 U
Dibromochloromethane	ug/l	1 U		1 U			1 U
Dibromomethane	ug/l	1 U		1 U			1 U
Dichlorodifluoromethane	ug/l	1 U		1 U			1 U
Ethylbenzene	ug/l	1 U		1 U			1 U
Hexachlorobutadiene	ug/l	1 U		1 U			1 U
Isopropylbenzene	ug/l	1 U		1 U			1 U
Methyl tert butyl ether	ug/l	1 U		1 U			1 U
Methylene chloride	ug/l	1 U		1 U			1 U
m,p-Xylene	ug/l	1 U		1 U			1 U
Naphthalene	ug/l	1 U		1 U			1 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

Station ID:	ARTESIAN	ARTESIAN	ARTESIAN	SCW-004	SCW-004	SCW-005
Field Sample ID:	0ART-122007	0ART-122007	0ART-122007	SCW-004-122007	SCW-004-122007	SCW-005-122007
Lab Sample ID:	734031	734031D1	734031R1	734024	734024R1	734026
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007
Field QC:	Original Sample					
Analysis Information:	I 1	DL 2.9	I 1	I 1	I 1	I 1
VOCs	Units					
n-Butylbenzene	ug/l	1 U		1 U		1 U
n-Propylbenzene	ug/l	1 U		1 U		1 U
o-Xylene	ug/l	1 U		1 U		1 U
sec-Butylbenzene	ug/l	1 U		1 U		1 U
Styrene	ug/l	1 U		1 U		1 U
tert-Butylbenzene	ug/l	1 U		1 U		1 U
Tetrachloroethene	ug/l	1 U		1 U		1 U
Toluene	ug/l	1 U		1 U		1 U
trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U
trans-1,3-Dichloropropene	ug/l	1 U		1 U		1 U
Trichloroethene	ug/l		71	1 U		1 U
Trichlorofluoromethane	ug/l	1 U		1 U		1 U
Vinyl chloride	ug/l	1 U		1 U		1 U
Xylene (Total)	ug/l	1 U		1 U		1 U
Explosives	Units					
1,3-Dinitrobenzene	ug/l		0.25 U		0.25 U	
1,3,5-Trinitrobenzene	ug/l		0.25 U		0.25 U	
2-Amino-4,6-Dinitrotoluene	ug/l		0.25 U		0.25 U	
2-Nitrotoluene	ug/l		0.25 U		0.25 U	
2,4-Dinitrotoluene	ug/l		0.25 U		0.25 U	
2,4,6-Trinitrotoluene	ug/l		0.25 U		0.25 U	
2,6-Dinitrotoluene	ug/l		0.25 U		0.25 U	
3-Nitrotoluene	ug/l		0.25 U		0.25 U	
4-Amino-2,6-Dinitrotoluene	ug/l		0.037 J		0.25 U	
4-Nitrotoluene	ug/l		0.25 U		0.25 U	

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water						
Station ID:	ARTESIAN	ARTESIAN	ARTESIAN	SCW-004	SCW-004	SCW-005
Field Sample ID:	0ART-122007	0ART-122007	0ART-122007	SCW-004-122007	SCW-004-122007	SCW-005-122007
Lab Sample ID:	734031	734031D1	734031R1	734024	734024R1	734026
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007
Field QC:	Original Sample					
Analysis Information:	I 1	DL 2.9	I 1	I 1	I 1	I 1

Explosives	Units		
HMX	ug/l	0.26	0.25 U
Nitrobenzene	ug/l	0.25 U	0.25 U
RDX	ug/l	3.8	0.25 U
Tetryl	ug/l	0.25 U	0.25 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

Station ID:	SCW-005	SCW-006	SCW-006	SKI-001	SKI-001	SW-05
Field Sample ID:	SCW-005-122007	SCW-006-122007	SCW-006-122007	SKI-001-122007	SKI-001-122007	SW-005-122007
Lab Sample ID:	734026R1	734027	734027R1	734033	734033R1	734032
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007
Field QC:	Original Sample					
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units					
1,1-Dichloroethane	ug/l	1 U		1 U		1 U
1,1-Dichloroethene	ug/l	1 U		1 U		1 U
1,1-Dichloropropene	ug/l	1 U		1 U		1 U
1,1,1-Trichloroethane	ug/l	1 U		1 U		1 U
1,1,1,2-Tetrachloroethane	ug/l	1 U		1 U		1 U
1,1,2,2-Tetrachloroethane	ug/l	1 U		1 U		1 U
1,1,2-Trichloroethane	ug/l	1 U		1 U		1 U
1,1,2-Trichlorotrifluoroethane	ug/l	1 U		1 U		1 U
1,2-Dibromo-3-chloropropane	ug/l	1 U		1 U		1 U
1,2-Dibromoethane	ug/l	1 U		1 U		1 U
1,2-Dichlorobenzene	ug/l	1 U		1 U		1 U
1,2-Dichloroethane	ug/l	1 U		1 U		1 U
1,2-Dichloroethene	ug/l	1 U		1 U		1 U
1,2-Dichloropropene	ug/l	1 U		1 U		1 U
1,2,3-Trichlorobenzene	ug/l	1 U		1 U		1 U
1,2,4-Trichlorobenzene	ug/l	1 U		1 U		1 U
1,2,4-Trimethylbenzene	ug/l	1 U		1 U		1 U
1,3-Dichlorobenzene	ug/l	1 U		1 U		1 U
1,3-Dichloropropane	ug/l	1 U		1 U		1 U
1,3,5-Trimethylbenzene	ug/l	1 U		1 U		1 U
1,4-Dichlorobenzene	ug/l	1 U		1 U		1 U
2-Butanone	ug/l	5 U		5 U		5 U
2-Chlorotoluene	ug/l	1 U		1 U		1 U
2-Hexanone	ug/l	5 U		5 U		5 U
4-Chlorotoluene	ug/l	1 U		1 U		1 U
4-Isopropyltoluene	ug/l	1 U		1 U		1 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	Station ID:	SCW-005	SCW-006	SCW-006	SKI-001	SKI-001	SW-05
	Field Sample ID:	SCW-005-122007	SCW-006-122007	SCW-006-122007	SKI-001-122007	SKI-001-122007	SW-005-122007
	Lab Sample ID:	734026R1	734027	734027R1	734033	734033R1	734032
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
4-Methyl-2-pentanone	ug/l		5 U		5 U		5 U
Acetone	ug/l		2.8 J		5 U		2.6 J
Benzene	ug/l		1 U		1 U		1 U
Bromobenzene	ug/l		1 U		1 U		1 U
Bromochloromethane	ug/l		1 U		1 U		1 U
Bromodichloromethane	ug/l		1 U		1 U		1 U
Bromoform	ug/l		1 U		1 U		1 U
Bromomethane	ug/l		1 U		1 U		1 U
Carbon disulfide	ug/l		1 U		1 U		1 U
Carbon tetrachloride	ug/l		1 U		1 U		1 U
Chlorobenzene	ug/l		1 U		1 U		1 U
Chloroethane	ug/l		1 U		1 U		1 U
Chloroform	ug/l		1 U		1 U		1 U
Chloromethane	ug/l		1 U		1 U		1 U
cis-1,2-Dichloroethene	ug/l		1 U		1 U		1 U
cis-1,3-Dichloropropene	ug/l		1 U		1 U		1 U
Dibromochloromethane	ug/l		1 U		1 U		1 U
Dibromomethane	ug/l		1 U		1 U		1 U
Dichlorodifluoromethane	ug/l		1 U		1 U		1 U
Ethylbenzene	ug/l		1 U		1 U		1 U
Hexachlorobutadiene	ug/l		1 U		1 U		1 U
Isopropylbenzene	ug/l		1 U		1 U		1 U
Methyl tert butyl ether	ug/l		1 U		1 U		1 U
Methylene chloride	ug/l		1 U		1 U		1 U
m,p-Xylene	ug/l		1 U		1 U		1 U
Naphthalene	ug/l		1 U		1 U		1 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	SCW-005	SCW-006	SCW-006	SKI-001	SKI-001	SW-05
Field Sample ID:	SCW-005-122007	SCW-006-122007	SCW-006-122007	SKI-001-122007	SKI-001-122007	SW-005-122007
Lab Sample ID:	734026R1	734027	734027R1	734033	734033R1	734032
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007
Field QC:	Original Sample					
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units					
n-Butylbenzene	ug/l	1 U		1 U		1 U
n-Propylbenzene	ug/l	1 U		1 U		1 U
o-Xylene	ug/l	1 U		1 U		1 U
sec-Butylbenzene	ug/l	1 U		1 U		1 U
Styrene	ug/l	1 U		1 U		1 U
tert-Butylbenzene	ug/l	1 U		1 U		1 U
Tetrachloroethene	ug/l	1 U		1 U		1 U
Toluene	ug/l	1 U		1 U		1 U
trans-1,2-Dichloroethene	ug/l	1 U		1 U		1 U
trans-1,3-Dichloropropene	ug/l	1 U		1 U		1 U
Trichloroethene	ug/l	1 U		1 U		1 U
Trichlorofluoromethane	ug/l	1 U		1 U		1 U
Vinyl chloride	ug/l	1 U		1 U		1 U
Xylene (Total)	ug/l	1 U		1 U		1 U
Explosives	Units					
1,3-Dinitrobenzene	ug/l	0.25 U	0.25 U		0.25 U	
1,3,5-Trinitrobenzene	ug/l	0.25 U	0.25 U		0.25 U	
2-Amino-4,6-Dinitrotoluene	ug/l	0.25 U	0.25 U		0.25 U	
2-Nitrotoluene	ug/l	0.25 U	0.25 U		0.25 U	
2,4-Dinitrotoluene	ug/l	0.25 U	0.25 U		0.25 U	
2,4,6-Trinitrotoluene	ug/l	0.25 U	0.25 U		0.25 U	
2,6-Dinitrotoluene	ug/l	0.25 U	0.25 U		0.25 U	
3-Nitrotoluene	ug/l	0.25 U	0.25 U		0.25 U	
4-Amino-2,6-Dinitrotoluene	ug/l	0.25 U	0.25 U		0.25 U	
4-Nitrotoluene	ug/l	0.25 U	0.25 U		0.25 U	

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water						
Station ID:	SCW-005	SCW-006	SCW-006	SKI-001	SKI-001	SW-05
Field Sample ID:	SCW-005-122007	SCW-006-122007	SCW-006-122007	SKI-001-122007	SKI-001-122007	SW-005-122007
Lab Sample ID:	734026R1	734027	734027R1	734033	734033R1	734032
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007
Field QC:	Original Sample					
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1

Explosives	Units			
HMX	ug/l	0.25 U	0.25 U	0.25 U
Nitrobenzene	ug/l	0.25 U	0.25 U	0.25 U
RDX	ug/l	0.25 U	0.25 U	0.25 U
Tetryl	ug/l	0.25 U	0.25 U	0.25 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

Station ID:	SW-05	SW-06	SW-06	SW-08	SW-08	SW-09
Field Sample ID:	SW-005-122007	SW-006-122007	SW-006-122007	SW-208-122007	SW-208-122007	SW-009-122007
Lab Sample ID:	734032R1	734039	734039R1	734041	734041R1	734030
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/3/2007	12/4/2007	12/4/2007	12/4/2007	12/4/2007	12/3/2007
Field QC:	Original Sample	Original Sample	Original Sample	Field Duplicate	Field Duplicate	Original Sample
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units					
1,1-Dichloroethane	ug/l		1 U		1 U	1 U
1,1-Dichloroethene	ug/l		1 U		1 U	1 U
1,1-Dichloropropene	ug/l		1 U		1 U	1 U
1,1,1-Trichloroethane	ug/l		1 U		1 U	1 U
1,1,1,2-Tetrachloroethane	ug/l		1 U		1 U	1 U
1,1,2,2-Tetrachloroethane	ug/l		1 U		1 U	1 U
1,1,2-Trichloroethane	ug/l		1 U		1 U	1 U
1,1,2-Trichlorotrifluoroethane	ug/l		1 U		1 U	1 U
1,2-Dibromo-3-chloropropane	ug/l		1 U		1 U	1 U
1,2-Dibromoethane	ug/l		1 U		1 U	1 U
1,2-Dichlorobenzene	ug/l		1 U		1 U	1 U
1,2-Dichloroethane	ug/l		1 U		1 U	1 U
1,2-Dichloroethene	ug/l		1 U		0.45 J	1 U
1,2-Dichloropropene	ug/l		1 U		1 U	1 U
1,2,3-Trichlorobenzene	ug/l		1 U		1 U	1 U
1,2,4-Trichlorobenzene	ug/l		1 U		1 U	1 U
1,2,4-Trimethylbenzene	ug/l		1 U		1 U	1 U
1,3-Dichlorobenzene	ug/l		1 U		1 U	1 U
1,3-Dichloropropane	ug/l		1 U		1 U	1 U
1,3,5-Trimethylbenzene	ug/l		1 U		1 U	1 U
1,4-Dichlorobenzene	ug/l		1 U		1 U	1 U
2-Butanone	ug/l		5 U		5 U	5 U
2-Chlorotoluene	ug/l		1 U		1 U	1 U
2-Hexanone	ug/l		5 U		5 U	5 U
4-Chlorotoluene	ug/l		1 U		1 U	1 U
4-Isopropyltoluene	ug/l		1 U		1 U	1 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	Station ID:	SW-05	SW-06	SW-06	SW-08	SW-08	SW-09
	Field Sample ID:	SW-005-122007	SW-006-122007	SW-006-122007	SW-208-122007	SW-208-122007	SW-009-122007
	Lab Sample ID:	734032R1	734039	734039R1	734041	734041R1	734030
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/3/2007	12/4/2007	12/4/2007	12/4/2007	12/4/2007	12/3/2007
	Field QC:	Original Sample	Original Sample	Original Sample	Field Duplicate	Field Duplicate	Original Sample
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
4-Methyl-2-pentanone	ug/l		5 U		5 U		5 U
Acetone	ug/l		2.9 J		5 U		5 U
Benzene	ug/l		1 U		1 U		1 U
Bromobenzene	ug/l		1 U		1 U		1 U
Bromochloromethane	ug/l		1 U		1 U		1 U
Bromodichloromethane	ug/l		1 U		1 U		1 U
Bromoform	ug/l		1 U		1 U		1 U
Bromomethane	ug/l		1 U		1 U		1 U
Carbon disulfide	ug/l		1 U		1 U		1 U
Carbon tetrachloride	ug/l		1 U		1 U		1 U
Chlorobenzene	ug/l		1 U		1 U		1 U
Chloroethane	ug/l		1 U		1 U		1 U
Chloroform	ug/l		1 U		1 U		1 U
Chloromethane	ug/l		1 U		1 U		1 U
cis-1,2-Dichloroethene	ug/l		1 U		0.45 J		1 U
cis-1,3-Dichloropropene	ug/l		1 U		1 U		1 U
Dibromochloromethane	ug/l		1 U		1 U		1 U
Dibromomethane	ug/l		1 U		1 U		1 U
Dichlorodifluoromethane	ug/l		1 U		1 U		1 U
Ethylbenzene	ug/l		1 U		1 U		1 U
Hexachlorobutadiene	ug/l		1 U		1 U		1 U
Isopropylbenzene	ug/l		1 U		1 U		1 U
Methyl tert butyl ether	ug/l		1 U		1 U		1 U
Methylene chloride	ug/l		1 U		1 U		1 U
m,p-Xylene	ug/l		1 U		1 U		1 U
Naphthalene	ug/l		1 U		1 U		1 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	Station ID:	SW-05	SW-06	SW-06	SW-08	SW-08	SW-09
	Field Sample ID:	SW-005-122007	SW-006-122007	SW-006-122007	SW-208-122007	SW-208-122007	SW-009-122007
	Lab Sample ID:	734032R1	734039	734039R1	734041	734041R1	734030
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/3/2007	12/4/2007	12/4/2007	12/4/2007	12/4/2007	12/3/2007
	Field QC:	Original Sample	Original Sample	Original Sample	Field Duplicate	Field Duplicate	Original Sample
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
n-Butylbenzene	ug/l		1 U		1 U		1 U
n-Propylbenzene	ug/l		1 U		1 U		1 U
o-Xylene	ug/l		1 U		1 U		1 U
sec-Butylbenzene	ug/l		1 U		1 U		1 U
Styrene	ug/l		1 U		1 U		1 U
tert-Butylbenzene	ug/l		1 U		1 U		1 U
Tetrachloroethene	ug/l		1 U		1 U		1 U
Toluene	ug/l		1 U		1 U		1 U
trans-1,2-Dichloroethene	ug/l		1 U		1 U		1 U
trans-1,3-Dichloropropene	ug/l		1 U		1 U		1 U
Trichloroethene	ug/l		0.24 J		25		1 U
Trichlorofluoromethane	ug/l		1 U		1 U		1 U
Vinyl chloride	ug/l		1 U		1 U		1 U
Xylene (Total)	ug/l		1 U		1 U		1 U
Explosives	Units						
1,3-Dinitrobenzene	ug/l	0.25	U	0.25	U	0.25	U
1,3,5-Trinitrobenzene	ug/l	0.25	U	0.25	U	0.25	U
2-Amino-4,6-Dinitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
2-Nitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
2,4-Dinitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
2,4,6-Trinitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
2,6-Dinitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
3-Nitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
4-Amino-2,6-Dinitrotoluene	ug/l	0.25	U	0.25	U	0.063	J
4-Nitrotoluene	ug/l	0.25	U	0.25	U	0.25	U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water						
Station ID:	SW-05	SW-06	SW-06	SW-08	SW-08	SW-09
Field Sample ID:	SW-005-122007	SW-006-122007	SW-006-122007	SW-208-122007	SW-208-122007	SW-009-122007
Lab Sample ID:	734032R1	734039	734039R1	734041	734041R1	734030
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/3/2007	12/4/2007	12/4/2007	12/4/2007	12/4/2007	12/3/2007
Field QC:	Original Sample	Original Sample	Original Sample	Field Duplicate	Field Duplicate	Original Sample
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1

Explosives	Units			
HMX	ug/l	0.25 U	0.25 U	0.16 J
Nitrobenzene	ug/l	0.25 U	0.25 U	0.25 U
RDX	ug/l	0.25 U	0.25 U	1.3
Tetryl	ug/l	0.25 U	0.25 U	0.25 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	Station ID:	SW-09	SW-10	SW-10	SW-11	SW-11	SW-12
	Field Sample ID:	SW-009-122007	SW-010-122007	SW-010-122007	SW-011-122007	SW-011-122007	SW-012-122007
	Lab Sample ID:	734030R1	734035	734035R1	734028	734028R1	734034
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/3/2007	12/4/2007	12/4/2007	12/3/2007	12/3/2007	12/4/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
1,1-Dichloroethane	ug/l		1 U		1 U		1 U
1,1-Dichloroethene	ug/l		1 U		1 U		1 U
1,1-Dichloropropene	ug/l		1 U		1 U		1 U
1,1,1-Trichloroethane	ug/l		1 U		1 U		1 U
1,1,1,2-Tetrachloroethane	ug/l		1 U		1 U		1 U
1,1,2,2-Tetrachloroethane	ug/l		1 U		1 U		1 U
1,1,2-Trichloroethane	ug/l		1 U		1 U		1 U
1,1,2-Trichlorotrifluoroethane	ug/l		1 U		1 U		1 U
1,2-Dibromo-3-chloropropane	ug/l		1 U		1 U		1 U
1,2-Dibromoethane	ug/l		1 U		1 U		1 U
1,2-Dichlorobenzene	ug/l		1 U		1 U		1 U
1,2-Dichloroethane	ug/l		1 U		1 U		1 U
1,2-Dichloroethene	ug/l	0.39 J			1 U		1 U
1,2-Dichloropropane	ug/l		1 U		1 U		1 U
1,2,3-Trichlorobenzene	ug/l		1 U		1 U		1 U
1,2,4-Trichlorobenzene	ug/l		1 U		1 U		1 U
1,2,4-Trimethylbenzene	ug/l		1 U		1 U		1 U
1,3-Dichlorobenzene	ug/l		1 U		1 U		1 U
1,3-Dichloropropane	ug/l		1 U		1 U		1 U
1,3,5-Trimethylbenzene	ug/l		1 U		1 U		1 U
1,4-Dichlorobenzene	ug/l		1 U		1 U		1 U
2-Butanone	ug/l		5 U		5 U		5 U
2-Chlorotoluene	ug/l		1 U		1 U		1 U
2-Hexanone	ug/l		5 U		5 U		5 U
4-Chlorotoluene	ug/l		1 U		1 U		1 U
4-Isopropyltoluene	ug/l		1 U		1 U		1 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	Station ID:	SW-09	SW-10	SW-10	SW-11	SW-11	SW-12
	Field Sample ID:	SW-009-122007	SW-010-122007	SW-010-122007	SW-011-122007	SW-011-122007	SW-012-122007
	Lab Sample ID:	734030R1	734035	734035R1	734028	734028R1	734034
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/3/2007	12/4/2007	12/4/2007	12/3/2007	12/3/2007	12/4/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
4-Methyl-2-pentanone	ug/l		5 U		5 U		5 U
Acetone	ug/l		5 U		5 U		2.5 J
Benzene	ug/l		1 U		1 U		1 U
Bromobenzene	ug/l		1 U		1 U		1 U
Bromochloromethane	ug/l		1 U		1 U		1 U
Bromodichloromethane	ug/l		1 U		1 U		1 U
Bromoform	ug/l		1 U		1 U		1 U
Bromomethane	ug/l		1 U		1 U		1 U
Carbon disulfide	ug/l		1 U		1 U		1 U
Carbon tetrachloride	ug/l		1 U		1 U		1 U
Chlorobenzene	ug/l		1 U		1 U		1 U
Chloroethane	ug/l		1 U		1 U		1 U
Chloroform	ug/l		1 U		1 U		1 U
Chloromethane	ug/l		1 U		1 U		1 U
cis-1,2-Dichloroethene	ug/l	0.39 J			1 U		1 U
cis-1,3-Dichloropropene	ug/l		1 U		1 U		1 U
Dibromochloromethane	ug/l		1 U		1 U		1 U
Dibromomethane	ug/l		1 U		1 U		1 U
Dichlorodifluoromethane	ug/l		1 U		1 U		1 U
Ethylbenzene	ug/l		1 U		1 U		1 U
Hexachlorobutadiene	ug/l		1 U		1 U		1 U
Isopropylbenzene	ug/l		1 U		1 U		1 U
Methyl tert butyl ether	ug/l		1 U		1 U		1 U
Methylene chloride	ug/l		1 U		1 U		1 U
m,p-Xylene	ug/l		1 U		1 U		1 U
Naphthalene	ug/l		1 U		1 U		1 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	Station ID:	SW-09	SW-10	SW-10	SW-11	SW-11	SW-12
	Field Sample ID:	SW-009-122007	SW-010-122007	SW-010-122007	SW-011-122007	SW-011-122007	SW-012-122007
	Lab Sample ID:	734030R1	734035	734035R1	734028	734028R1	734034
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/3/2007	12/4/2007	12/4/2007	12/3/2007	12/3/2007	12/4/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
n-Butylbenzene	ug/l		1 U		1 U		1 U
n-Propylbenzene	ug/l		1 U		1 U		1 U
o-Xylene	ug/l		1 U		1 U		1 U
sec-Butylbenzene	ug/l		1 U		1 U		1 U
Styrene	ug/l		1 U		1 U		1 U
tert-Butylbenzene	ug/l		1 U		1 U		1 U
Tetrachloroethene	ug/l		1 U		1 U		1 U
Toluene	ug/l		1 U		1 U		1 U
trans-1,2-Dichloroethene	ug/l		1 U		1 U		1 U
trans-1,3-Dichloropropene	ug/l		1 U		1 U		1 U
Trichloroethene	ug/l		18		1 U		1.8
Trichlorofluoromethane	ug/l		1 U		1 U		1 U
Vinyl chloride	ug/l		1 U		1 U		1 U
Xylene (Total)	ug/l		1 U		1 U		1 U
Explosives	Units						
1,3-Dinitrobenzene	ug/l	0.25	U	0.25	U	0.25	U
1,3,5-Trinitrobenzene	ug/l	0.25	U	0.25	U	0.25	U
2-Amino-4,6-Dinitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
2-Nitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
2,4-Dinitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
2,4,6-Trinitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
2,6-Dinitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
3-Nitrotoluene	ug/l	0.25	U	0.25	U	0.25	U
4-Amino-2,6-Dinitrotoluene	ug/l	0.25	U	0.11	J	0.25	U
4-Nitrotoluene	ug/l	0.25	U	0.25	U	0.25	U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	Station ID:	SW-09	SW-10	SW-10	SW-11	SW-11	SW-12
	Field Sample ID:	SW-009-122007	SW-010-122007	SW-010-122007	SW-011-122007	SW-011-122007	SW-012-122007
	Lab Sample ID:	734030R1	734035	734035R1	734028	734028R1	734034
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/3/2007	12/4/2007	12/4/2007	12/3/2007	12/3/2007	12/4/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1

Explosives	Units			
HMX	ug/l	0.25 U	0.13 J	0.25 U
Nitrobenzene	ug/l	0.25 U	0.25 U	0.25 U
RDX	ug/l	0.25 U	1.2	0.25 U
Tetryl	ug/l	0.25 U	0.25 U	0.25 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	Station ID:	SW-12	SW-13	SW-13	SW-15	SW-15	SW-16
	Field Sample ID:	SW-012-122007	SW-013-122007	SW-013-122007	SW-015-122007	SW-015-122007	SW-016-122007
	Lab Sample ID:	734034R1	734029	734029R1	734038	734038R1	734037
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/4/2007	12/3/2007	12/3/2007	12/4/2007	12/4/2007	12/4/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
1,1-Dichloroethane	ug/l		1 U		1 U		1 U
1,1-Dichloroethene	ug/l		1 U		1 U		1 U
1,1-Dichloropropene	ug/l		1 U		1 U		1 U
1,1,1-Trichloroethane	ug/l		1 U		1 U		1 U
1,1,1,2-Tetrachloroethane	ug/l		1 U		1 U		1 U
1,1,2,2-Tetrachloroethane	ug/l		1 U		1 U		1 U
1,1,2-Trichloroethane	ug/l		1 U		1 U		1 U
1,1,2-Trichlorotrifluoroethane	ug/l		1 U		1 U		1 U
1,2-Dibromo-3-chloropropane	ug/l		1 U		1 U		1 U
1,2-Dibromoethane	ug/l		1 U		1 U		1 U
1,2-Dichlorobenzene	ug/l		1 U		1 U		1 U
1,2-Dichloroethane	ug/l		1 U		1 U		1 U
1,2-Dichloroethene	ug/l		1 U		1 U		0.38 J
1,2-Dichloropropane	ug/l		1 U		1 U		1 U
1,2,3-Trichlorobenzene	ug/l		1 U		1 U		1 U
1,2,4-Trichlorobenzene	ug/l		1 U		1 U		1 U
1,2,4-Trimethylbenzene	ug/l		1 U		1 U		1 U
1,3-Dichlorobenzene	ug/l		1 U		1 U		1 U
1,3-Dichloropropane	ug/l		1 U		1 U		1 U
1,3,5-Trimethylbenzene	ug/l		1 U		1 U		1 U
1,4-Dichlorobenzene	ug/l		1 U		1 U		1 U
2-Butanone	ug/l		5 U		5 U		5 U
2-Chlorotoluene	ug/l		1 U		1 U		1 U
2-Hexanone	ug/l		5 U		5 U		5 U
4-Chlorotoluene	ug/l		1 U		1 U		1 U
4-Isopropyltoluene	ug/l		1 U		1 U		1 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	Station ID:	SW-12	SW-13	SW-13	SW-15	SW-15	SW-16
	Field Sample ID:	SW-012-122007	SW-013-122007	SW-013-122007	SW-015-122007	SW-015-122007	SW-016-122007
	Lab Sample ID:	734034R1	734029	734029R1	734038	734038R1	734037
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/4/2007	12/3/2007	12/3/2007	12/4/2007	12/4/2007	12/4/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
4-Methyl-2-pentanone	ug/l		5 U		5 U		5 U
Acetone	ug/l		5 U		5 U		5 U
Benzene	ug/l		1 U		1 U		1 U
Bromobenzene	ug/l		1 U		1 U		1 U
Bromochloromethane	ug/l		1 U		1 U		1 U
Bromodichloromethane	ug/l		1 U		1 U		1 U
Bromoform	ug/l		1 U		1 U		1 U
Bromomethane	ug/l		1 U		1 U		1 U
Carbon disulfide	ug/l		1 U		1 U		1 U
Carbon tetrachloride	ug/l		1 U		1 U		1 U
Chlorobenzene	ug/l		1 U		1 U		1 U
Chloroethane	ug/l		1 U		1 U		1 U
Chloroform	ug/l		1 U		1 U		1 U
Chloromethane	ug/l		1 U		1 U		1 U
cis-1,2-Dichloroethene	ug/l		1 U		1 U		0.38 J
cis-1,3-Dichloropropene	ug/l		1 U		1 U		1 U
Dibromochloromethane	ug/l		1 U		1 U		1 U
Dibromomethane	ug/l		1 U		1 U		1 U
Dichlorodifluoromethane	ug/l		1 U		1 U		1 U
Ethylbenzene	ug/l		1 U		1 U		1 U
Hexachlorobutadiene	ug/l		1 U		1 U		1 U
Isopropylbenzene	ug/l		1 U		1 U		1 U
Methyl tert butyl ether	ug/l		1 U		1 U		1 U
Methylene chloride	ug/l		1 U		1 U		1 U
m,p-Xylene	ug/l		1 U		1 U		1 U
Naphthalene	ug/l		1 U		1 U		1 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

	Station ID:	SW-12	SW-13	SW-13	SW-15	SW-15	SW-16
	Field Sample ID:	SW-012-122007	SW-013-122007	SW-013-122007	SW-015-122007	SW-015-122007	SW-016-122007
	Lab Sample ID:	734034R1	734029	734029R1	734038	734038R1	734037
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/4/2007	12/3/2007	12/3/2007	12/4/2007	12/4/2007	12/4/2007
	Field QC:	Original Sample					
	Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units						
n-Butylbenzene	ug/l		1 U		1 U		1 U
n-Propylbenzene	ug/l		1 U		1 U		1 U
o-Xylene	ug/l		1 U		1 U		1 U
sec-Butylbenzene	ug/l		1 U		1 U		1 U
Styrene	ug/l		1 U		1 U		1 U
tert-Butylbenzene	ug/l		1 U		1 U		1 U
Tetrachloroethene	ug/l		1 U		1 U		1 U
Toluene	ug/l		1 U		1 U		1 U
trans-1,2-Dichloroethene	ug/l		1 U		1 U		1 U
trans-1,3-Dichloropropene	ug/l		1 U		1 U		1 U
Trichloroethene	ug/l		1.6		0.25 J		20
Trichlorofluoromethane	ug/l		1 U		1 U		1 U
Vinyl chloride	ug/l		1 U		1 U		1 U
Xylene (Total)	ug/l		1 U		1 U		1 U
Explosives	Units						
1,3-Dinitrobenzene	ug/l	0.25 U		0.25 U		0.25 U	
1,3,5-Trinitrobenzene	ug/l	0.25 U		0.25 U		0.25 U	
2-Amino-4,6-Dinitrotoluene	ug/l	0.25 U		0.25 U		0.25 U	
2-Nitrotoluene	ug/l	0.25 U		0.25 U		0.25 U	
2,4-Dinitrotoluene	ug/l	0.25 U		0.25 U		0.25 U	
2,4,6-Trinitrotoluene	ug/l	0.25 U		0.25 U		0.25 U	
2,6-Dinitrotoluene	ug/l	0.25 U		0.25 U		0.25 U	
3-Nitrotoluene	ug/l	0.25 U		0.25 U		0.25 U	
4-Amino-2,6-Dinitrotoluene	ug/l	0.25 U		0.25 U		0.25 U	
4-Nitrotoluene	ug/l	0.25 U		0.25 U		0.25 U	

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water						
	Station ID:	SW-12	SW-13	SW-13	SW-15	SW-15
	Field Sample ID:	SW-012-122007	SW-013-122007	SW-013-122007	SW-015-122007	SW-015-122007
	Lab Sample ID:	734034R1	734029	734029R1	734038	734038R1
	Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT
	Sample Date:	12/4/2007	12/3/2007	12/3/2007	12/4/2007	12/4/2007
	Field QC:	Original Sample				
	Analysis Information:	I 1	I 1	I 1	I 1	I 1

Explosives	Units			
HMX	ug/l	0.25 U	0.25 U	0.25 U
Nitrobenzene	ug/l	0.25 U	0.25 U	0.25 U
RDX	ug/l	0.11 J	0.14 J	0.25 U
Tetryl	ug/l	0.25 U	0.25 U	0.25 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

Station ID:	SW-16
Field Sample ID:	SW-016-122007
Lab Sample ID:	734037R1
Lab Name:	TALVT
Sample Date:	12/4/2007
Field QC:	Original Sample
Analysis Information:	I 1

VOCs	Units
1,1-Dichloroethane	ug/l
1,1-Dichloroethene	ug/l
1,1-Dichloropropene	ug/l
1,1,1-Trichloroethane	ug/l
1,1,1,2-Tetrachloroethane	ug/l
1,1,2,2-Tetrachloroethane	ug/l
1,1,2-Trichloroethane	ug/l
1,1,2-Trichlorotrifluoroethane	ug/l
1,2-Dibromo-3-chloropropane	ug/l
1,2-Dibromoethane	ug/l
1,2-Dichlorobenzene	ug/l
1,2-Dichloroethane	ug/l
1,2-Dichloroethene	ug/l
1,2-Dichloropropene	ug/l
1,2,3-Trichlorobenzene	ug/l
1,2,4-Trichlorobenzene	ug/l
1,2,4-Trimethylbenzene	ug/l
1,3-Dichlorobenzene	ug/l
1,3-Dichloropropane	ug/l
1,3,5-Trimethylbenzene	ug/l
1,4-Dichlorobenzene	ug/l
2-Butanone	ug/l
2-Chlorotoluene	ug/l
2-Hexanone	ug/l
4-Chlorotoluene	ug/l
4-Isopropyltoluene	ug/l

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

Station ID:	SW-16
Field Sample ID:	SW-016-122007
Lab Sample ID:	734037R1
Lab Name:	TALVT
Sample Date:	12/4/2007
Field QC:	Original Sample
Analysis Information:	I 1

VOCs	Units
4-Methyl-2-pentanone	ug/l
Acetone	ug/l
Benzene	ug/l
Bromobenzene	ug/l
Bromochloromethane	ug/l
Bromodichloromethane	ug/l
Bromoform	ug/l
Bromomethane	ug/l
Carbon disulfide	ug/l
Carbon tetrachloride	ug/l
Chlorobenzene	ug/l
Chloroethane	ug/l
Chloroform	ug/l
Chloromethane	ug/l
cis-1,2-Dichloroethene	ug/l
cis-1,3-Dichloropropene	ug/l
Dibromochloromethane	ug/l
Dibromomethane	ug/l
Dichlorodifluoromethane	ug/l
Ethylbenzene	ug/l
Hexachlorobutadiene	ug/l
Isopropylbenzene	ug/l
Methyl tert butyl ether	ug/l
Methylene chloride	ug/l
m,p-Xylene	ug/l
Naphthalene	ug/l

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

Station ID:	SW-16
Field Sample ID:	SW-016-122007
Lab Sample ID:	734037R1
Lab Name:	TALVT
Sample Date:	12/4/2007
Field QC:	Original Sample
Analysis Information:	I 1

VOCs	Units
n-Butylbenzene	ug/l
n-Propylbenzene	ug/l
o-Xylene	ug/l
sec-Butylbenzene	ug/l
Styrene	ug/l
tert-Butylbenzene	ug/l
Tetrachloroethene	ug/l
Toluene	ug/l
trans-1,2-Dichloroethene	ug/l
trans-1,3-Dichloropropene	ug/l
Trichloroethene	ug/l
Trichlorofluoromethane	ug/l
Vinyl chloride	ug/l
Xylene (Total)	ug/l

Explosives	Units	
1,3-Dinitrobenzene	ug/l	0.25 U
1,3,5-Trinitrobenzene	ug/l	0.25 U
2-Amino-4,6-Dinitrotoluene	ug/l	0.25 U
2-Nitrotoluene	ug/l	0.25 U
2,4-Dinitrotoluene	ug/l	0.25 U
2,4,6-Trinitrotoluene	ug/l	0.25 U
2,6-Dinitrotoluene	ug/l	0.25 U
3-Nitrotoluene	ug/l	0.25 U
4-Amino-2,6-Dinitrotoluene	ug/l	0.082 J
4-Nitrotoluene	ug/l	0.25 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

Station ID:	SW-16
Field Sample ID:	SW-016-122007
Lab Sample ID:	734037R1
Lab Name:	TALVT
Sample Date:	12/4/2007
Field QC:	Original Sample
Analysis Information:	I 1

Explosives	Units	
HMX	ug/l	0.12 J
Nitrobenzene	ug/l	0.25 U
RDX	ug/l	1.2
Tetryl	ug/l	0.25 U

Table SW-1
Results - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Notes:

U = Not Detected: A result followed by a "U" qualifier means that the analyte was not detected at the given quantitation limit by the laboratory instrument.

J = Detected, Estimated: A result followed by a "J" qualifier means that the analyte was detected, but there is some question that the reported concentration is accurate. This may be because the analyte was detected below the quantitation limit, or because one or more quality control indicators did not meet acceptance criteria.

UJ = Not Detected, Estimated: A result followed by a "UJ" qualifier means that the analyte was not detected, but the associated quantitation limit is not certain (or estimated) because one or more laboratory quality control indicators did not meet acceptance criteria.

ug/l = micrograms per liter

TALVT = Test America Laboratories, Vermont

ID = Identification

QC = Quality Control

VOCs = Volatile Organic Compounds

HMX = Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine

RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine

Tetryl = Methyl-2,4,6-trinitrophenylnitramine

I = Initial analysis

"I" = Dilution factor

Table SW-2
Detections - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water						
Station ID:	ARTESIAN	ARTESIAN	ARTESIAN	SCW-004	SCW-005	SCW-006
Field Sample ID:	0ART-122007	0ART-122007	0ART-122007	SCW-004-122007	SCW-005-122007	SCW-006-122007
Lab Sample ID:	734031	734031D1	734031R1	734024	734026	734027
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007	12/3/2007
Field QC:	Original Sample					
Analysis Information:	I 1	DL 2.9	I 1	I 1	I 1	I 1
VOCs	Units					
1,2-Dichloroethene	ug/l	0.36 J				
Acetone	ug/l			2.6 J	2.3 J	2.8 J
cis-1,2-Dichloroethene	ug/l	0.36 J				
Trichloroethene	ug/l		71			
Explosives	Units					
4-Amino-2,6-Dinitrotoluene	ug/l		0.037 J			
HMX	ug/l		0.26			
RDX	ug/l		3.8			

Table SW-2
Detections - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water						
Station ID:	SW-05	SW-06	SW-08	SW-08	SW-10	SW-10
Field Sample ID:	SW-005-122007	SW-006-122007	SW-208-122007	SW-208-122007	SW-010-122007	SW-010-122007
Lab Sample ID:	734032	734039	734041	734041R1	734035	734035R1
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/3/2007	12/4/2007	12/4/2007	12/4/2007	12/4/2007	12/4/2007
Field QC:	Original Sample	Original Sample	Field Duplicate	Field Duplicate	Original Sample	Original Sample
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units					
1,2-Dichloroethene	ug/l		0.45 J		0.39 J	
Acetone	ug/l	2.6 J	2.9 J			
cis-1,2-Dichloroethene	ug/l		0.45 J		0.39 J	
Trichloroethene	ug/l		0.24 J	25		18
Explosives	Units					
4-Amino-2,6-Dinitrotoluene	ug/l			0.063 J		0.11 J
HMX	ug/l			0.16 J		0.13 J
RDX	ug/l			1.3		1.2

Table SW-2
Detections - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water						
Station ID:	SW-12	SW-12	SW-13	SW-13	SW-15	SW-16
Field Sample ID:	SW-012-122007	SW-012-122007	SW-013-122007	SW-013-122007	SW-015-122007	SW-016-122007
Lab Sample ID:	734034	734034R1	734029	734029R1	734038	734037
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/4/2007	12/4/2007	12/3/2007	12/3/2007	12/4/2007	12/4/2007
Field QC:	Original Sample					
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units					
1,2-Dichloroethene	ug/l					0.38 J
Acetone	ug/l	2.5 J				
cis-1,2-Dichloroethene	ug/l					0.38 J
Trichloroethene	ug/l	1.8		1.6	0.25 J	20
Explosives	Units					
4-Amino-2,6-Dinitrotoluene	ug/l					
HMX	ug/l					
RDX	ug/l		0.11 J		0.14 J	

Table SW-2
Detections - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water

Station ID:	SW-16
Field Sample ID:	SW-016-122007
Lab Sample ID:	734037R1
Lab Name:	TALVT
Sample Date:	12/4/2007
Field QC:	Original Sample
Analysis Information:	I 1

VOCs	Units
-------------	--------------

1,2-Dichloroethene	ug/l
Acetone	ug/l
cis-1,2-Dichloroethene	ug/l
Trichloroethene	ug/l

Explosives	Units
-------------------	--------------

4-Amino-2,6-Dinitrotoluene	ug/l	0.082 J
HMX	ug/l	0.12 J
RDX	ug/l	1.2

Table SW-2
Detections - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Notes:

J = Detected, Estimated: A result followed by a "J" qualifier means that the analyte was detected, but there is some question that the reported concentration is accurate. This may be because the analyte was detected below the quantitation limit, or because one or more quality control indicators did not meet acceptance criteria.

ug/l = micrograms per liter

TALVT = Test America Laboratories, Vermont

ID = Identification

QC = Quality Control

VOCs = Volatile Organic Compounds

HMX = Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine

RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine

I = Initial analysis

"I" = Dilution factor

Table SW-3
Results - Contaminants of Concern - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water						
Station ID:	ARTESIAN	ARTESIAN	SW-06	SW-08	SW-08	SW-10
Field Sample ID:	OART-122007	OART-122007	SW-006-122007	SW-208-122007	SW-208-122007	SW-010-122007
Lab Sample ID:	734031D1	734031R1	734039	734041	734041R1	734035
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/3/2007	12/3/2007	12/4/2007	12/4/2007	12/4/2007	12/4/2007
Field QC	Original Sample	Original Sample	Original Sample	Field Duplicate	Field Duplicate	Original Sample
Analysis Information:	DL 2.9	I 1	I 1	I 1	I 1	I 1
VOCs	Units					
Trichloroethene	ug/l	71	0.24J	25		18
Explosives	Units					
RDX	ug/l	3.8			1.3	

Table SW-3
Results - Contaminants of Concern - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water						
Station ID:	SW-10	SW-12	SW-12	SW-13	SW-13	SW-15
Field Sample ID:	SW-010-122007	SW-012-122007	SW-012-122007	SW-013-122007	SW-013-122007	SW-015-122007
Lab Sample ID:	734035R1	734034	734034R1	734029	734029R1	734038
Lab Name:	TALVT	TALVT	TALVT	TALVT	TALVT	TALVT
Sample Date:	12/4/2007	12/4/2007	12/4/2007	12/3/2007	12/3/2007	12/4/2007
Field QC	Original Sample					
Analysis Information:	I 1	I 1	I 1	I 1	I 1	I 1
VOCs	Units					
Trichloroethene	ug/l	1.8		1.6		0.25J
Explosives	Units					
RDX	ug/l	1.2	0.11J		0.14J	

Table SW-3
Results - Contaminants of Concern - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Site Name: Mead Surface Water		
Station ID:	SW-16	SW-16
Field Sample ID:	SW-016-122007	SW-016-122007
Lab Sample ID:	734037	734037R1
Lab Name:	TALVT	TALVT
Sample Date:	12/4/2007	12/4/2007
Field QC	Original Sample	Original Sample
Analysis Information:	I 1	I 1
VOCs	Units	
Trichloroethene	ug/l	20
Explosives	Units	
RDX	ug/l	1.2

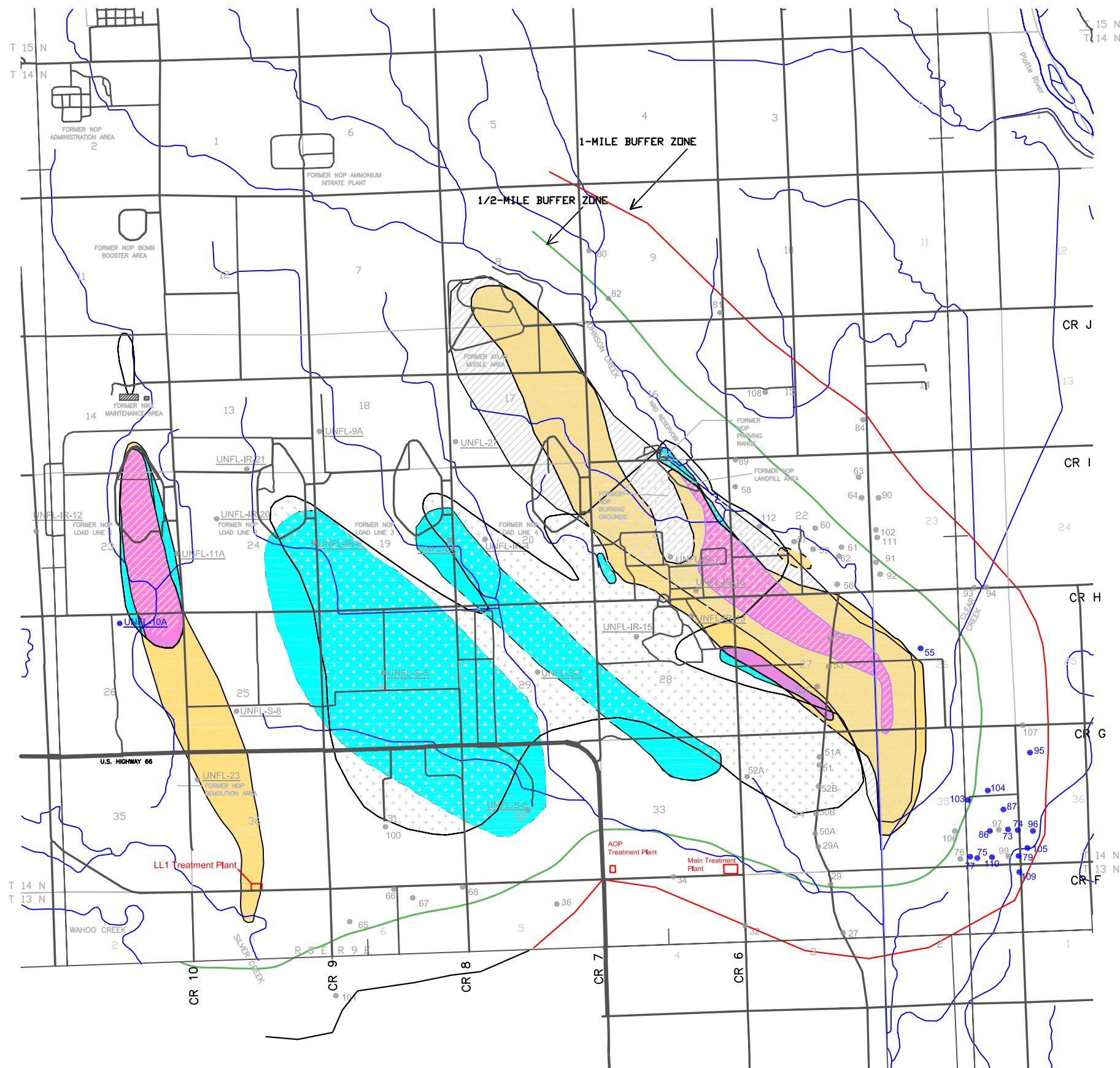
Table SW-3
Detections - Contaminants of Concern - Volatile Organic Compounds and Explosives
Fourth Quarter 2007 Surface Water Sampling Event
Former Nebraska Ordnance Plant, Mead, Nebraska

Notes:

J = Detected, Estimated: A result followed by a "J" qualifier means that the analyte was detected, but there is some question that the reported concentration is accurate. This may be because the analyte was detected below the quantitation limit, or because one or more quality control indicators did not meet acceptance criteria.

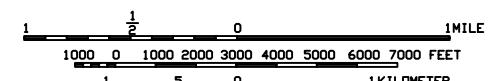
ug/l = micrograms per liter
TALVT = Test America Laboratories, Vermont
ID = Identification
QC = Quality Control
VOCs = Volatile Organic Compounds
RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine

I = Initial analysis
DL = Diluted analysis
"1" = Dilution factor



EXPLANATION:

- 55 WATER SUPPLY WELLS (SAMPLED)
- 84 WATER SUPPLY WELLS (NOT SAMPLED)
- ESTIMATED PLUME BOUNDARY
- APPROXIMATE AREA OF TCE-CONTAMINATED GROUNDWATER (CONCENTRATIONS GREATER THAN OR EQUAL TO THE MCL OF 5 ug/L)
- APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED GROUNDWATER GREATER THAN OR EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 ug/L
- APPROXIMATE AREA OF COMBINED TCE AND EXPLOSIVES CONTAMINATION IN GROUNDWATER (TCE AND EXPLOSIVES CONCENTRATIONS GREATER THAN OR EQUAL TO 5 ug/L AND 2 ug/L, RESPECTIVELY)
- APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED GREATER THAN OR EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 ug/L AS PER THE 1997 ROD
- APPROXIMATE AREA OF TCE-CONTAMINATED GROUNDWATER GREATER THAN OR EQUAL TO THE MCL OF 5 ug/L AS PER THE 1997 ROD

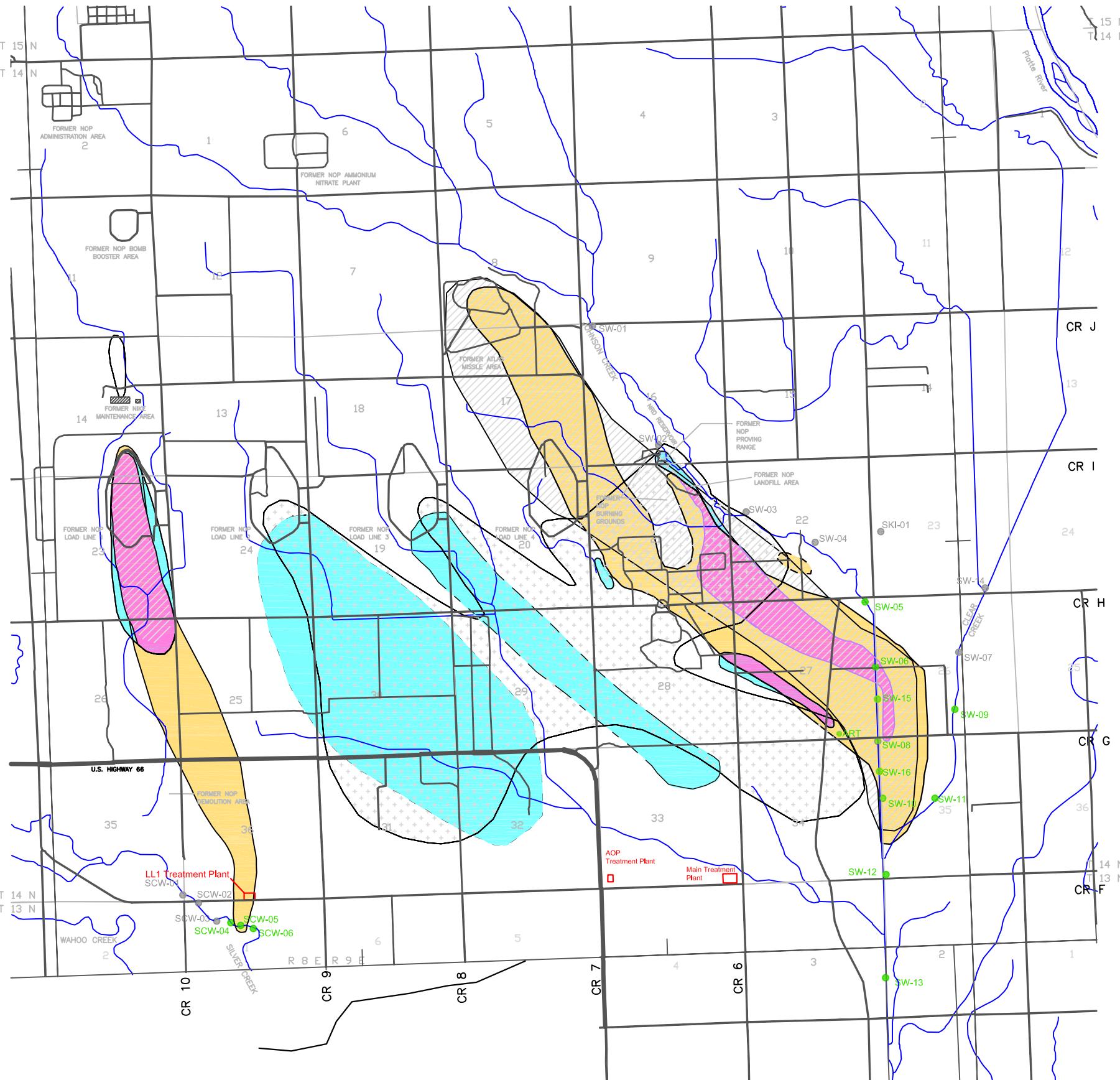


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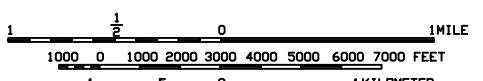
Figure WSW-4
Water Supply Well Sampling 4th Qtr 2007

Drawn by:	M Johanson	Sheet number:	
Date:	DEC 13, 2007		
Dwg. No.:	Rev 0		



EXPLANATION:

- SW-05 SURFACE WATER LOCATIONS (SAMPLED)
- SW-03 SURFACE WATER LOCATIONS (NOT SAMPLED)
- ESTIMATED PLUME BOUNDARY
- APPROXIMATE AREA OF TCE-CONTAMINATED GROUNDWATER (CONCENTRATIONS GREATER THAN OR EQUAL TO THE MCL OF 5 ug/L)
- APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED GROUNDWATER GREATER THAN OR EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 ug/L
- APPROXIMATE AREA OF COMBINED TCE AND EXPLOSIVES CONTAMINATION IN GROUNDWATER (TCE AND EXPLOSIVES CONCENTRATIONS GREATER THAN OR EQUAL TO 5 ug/L AND 2 ug/L, RESPECTIVELY)
- APPROXIMATE AREA OF EXPLOSIVES-CONTAMINATED GREATER THAN OR EQUAL TO THE LIFETIME HEALTH ADVISORY OF 2 ug/L AS PER THE 1997 ROD
- APPROXIMATE AREA OF TCE-CONTAMINATED GROUNDWATER GREATER THAN OR EQUAL TO THE MCL OF 5 ug/L AS PER THE 1997 ROD



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Figure SW-4
Surface Water Sampling 4th Qtr 2007

Drawn by:	M Johanson	Sheet number:
Date:	DEC 13, 2007	
Dwg. No.:	Rev 0	