

**DOE Oversight Bureau, New Mexico Environment Department**

**Wastewater Monitoring at  
Sandia National Laboratories/New Mexico**

**Conducted by the  
New Mexico Environment Department DOE Oversight Bureau  
for FFY 2014**

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**Final Report**

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Presentation of wastewater data results collected as a component of NMED/DOE OB Monitoring at Sandia National Laboratories/New Mexico. Sample collection conducted by bureau staff in parallel with Sandia National Laboratories/New Mexico, Albuquerque Bernalillo County Water Utility Authority, and NMED/DOE OB October 29, 2013 and April 22, 2014.

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## **Introduction**

The New Mexico Environment Department (NMED) DOE Oversight Bureau (DOE-OB or the Bureau) has compiled and assessed wastewater data from samples during Federal Fiscal Year (FFY) 2014. Samples were collected on October 29, 2013 and April 22, 2014. Bureau staff collected split wastewater samples with Sandia National Laboratories/New Mexico (SNL/NM) and Albuquerque Bernalillo County Water Utility Authority (ABCWUA) using standard SNL/NM sampling procedures and equipment. Samples were obtained as a 24-hour composite using an ISCO automated sampler. The ISCO sampler is programmed to collect 100ml every 15 minutes during the 24-hour sampling period.

Samples were collected from wastewater monitoring stations WW001 (ABCWUA permit number 2069A), WW006 (ABCWUA permit number 2069F), WW008 (ABCWUA permit number 2069I), and WW0011 (ABCWUA permit number 2069K). Samples were submitted for analysis to ALS Laboratory Group in Fort Collins, CO for total metals, fluoride, total cyanide, volatile organic compounds (VOCs), gross alpha, gross beta, gamma-emitting isotopes, and tritium. A set of trip blanks per sampling event were also analyzed for VOCs.

Locations and demographic data of locations sampled during FFY 2014 are provided in Table 1 and Figure 1.

## **Data Assessment**

Results are compared to applicable New Mexico Administrative Code (NMAC) Sewer Release Limits (SRL), and the ABCWUA Sewer Use and Wastewater Control Ordinance (SUWCO) requirements, Limitations on Pollutant Concentration.

## **Results**

Analytical results for total (unfiltered) target analyte list (TAL) metals are listed in Table 2. All results were well below the ABCWUA Daily Maximum Composite Sample Concentration Limits.

Analytical results for inorganic compounds are listed in Table 3. All samples were analyzed for fluoride. Samples for total cyanide were collected from monitoring stations WW006 and WW008. Cyanide concentrations were below the pollutant concentration limit of 0.45 mg/L. Fluoride concentrations from all samples collected were below the pollutant concentration limit of 22.7 mg/L.

Analytical results for radionuclides are listed in Tables 4 and 5. Samples were analyzed for gamma-emitting isotopes, gross alpha, gross beta, and tritium. It is important to note that the NMAC limit is a monthly average and the samples were obtained as a 24-hour composite. As such, it is not possible to directly correlate the values to the limits. However, it is possible to use the limit as a

potential indicator for compliance. The data collected does not suggest any of the isotopes would exceed the effluent limit.

VOCs detected at concentrations above the method detection limit (MDL) are presented in Table 6. Compounds detected above the MDL include acetone, bromoform, chlorodibromomethane, and chloroform. No wastewater regulatory standards exist for VOCs. Table 7 summarizes the laboratory MDLs for the remaining VOCs, not listed in Table 6.

### **Conclusions**

Evaluation of the analytical results demonstrates that TAL metals plus uranium, total cyanide and fluoride, gamma-emitting isotopes, gross alpha and beta, tritium, and VOCs from samples collected at SNL wastewater stations were below the NMAC Sewer Release Limits and the ABCWUA Daily Maximum Composite Sample Concentration Limits.

### **References**

Albuquerque Bernalillo County Water Utility Authority, Sewer Use and Wastewater Control Ordinance, Adopted 12/21/05 (O-05-6), Amended 12/16/2009 (O-09-8), Amended 1/29/2014 (O-13-3);

20 NMAC 3.1 § 4, Appendix B, Table III, April 15, 2004 “Annual Limits on Intake (Ali) and Derived Air Concentrations (DAC) of Radionuclides for Occupational Exposure; Effluent Concentrations; Concentrations for Release to Sanitary Sewerage.”

**Table 1. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Sample Demographics for October 29, 2013 and April 22, 2014 sampling events**

SNL/NM Waste Water Station	Date and Time Sample Collected	
WW001	OCT-29-2013	910
	APR-22-2014	910
WW006	OCT-22-2013	930
	OCT-29-2013	930
	APR-21-2014	2200
	APR-22-2014	935
WW008	OCT-22-2013	930
	OCT-29-2013	840
	APR-21-2014	1900
	APR-22-2014	850
WW011	OCT-29-2013	812
	APR-22-2014	820
Trip Blank	OCT-29-2013	1030
	APR-22-2014	N/A

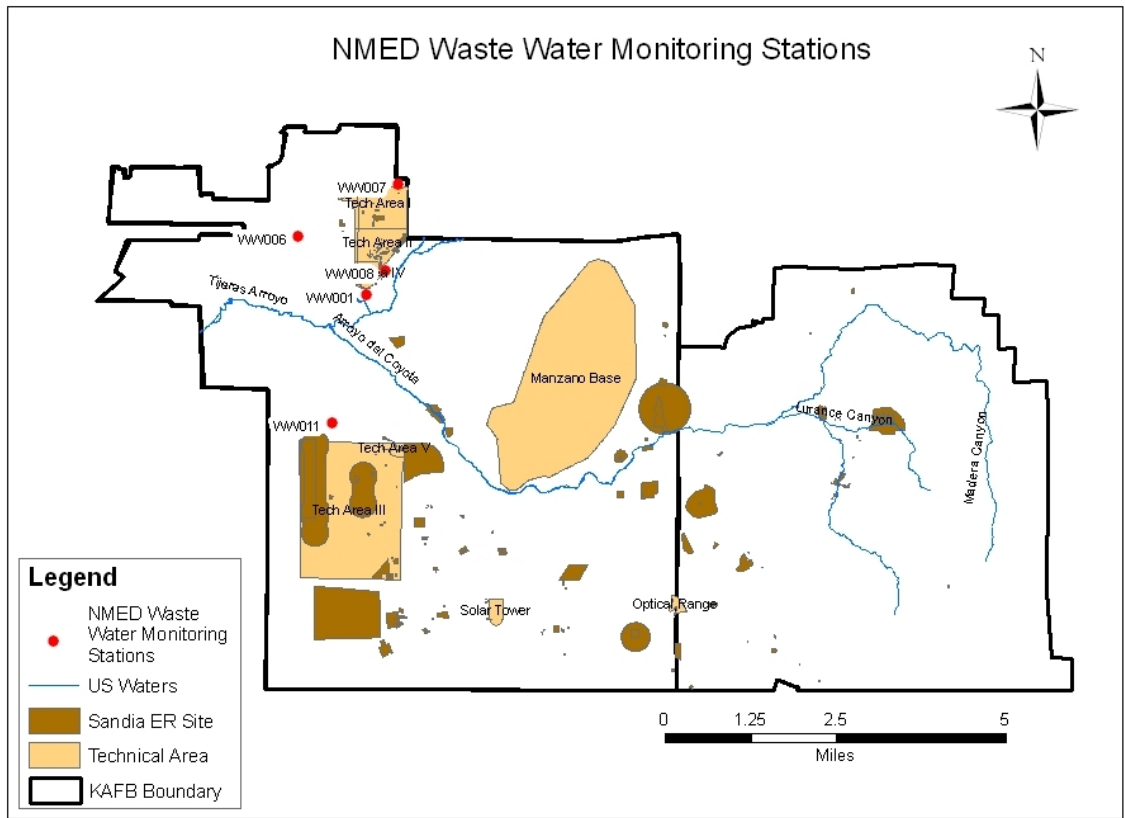


Figure 1. Location of Wastewater Monitoring Stations on Kirtland Air Force Base for FFY 2014

**Table 2. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Target Analyte List Metals plus Uranium**

SNL/NM Wastewater Station	Analyte	Result (mg/L)	ABCWUA Daily Maximum Composite Sample Limitations (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW001 OCT-29-2013	Aluminum	0.11	900	0.1	0.026	B	SW-846:6020
	Antimony	0.0003	NE	0.0003	0.0001	JB	SW-846:6020
	Arsenic	0.0053	0.051	0.002	0.0006		SW-846:6020
	Barium	0.12	NE	0.002	0.0012	B	SW-846:6020
	Beryllium	0.00033	NE	0.001	0.00028	J	SW-846:6020
	Cadmium	0.00012	0.5	0.0003	0.00012	U	SW-846:6020
	Calcium	53	NE	0.5	0.06	B	SW-846:6020
	Chromium	0.0045	4.1	0.005	0.0006	JB	SW-846:6020
	Cobalt	0.0006	NE	0.002	0.0006	U	SW-846:6020
	Copper	0.046	3.2	0.002	0.001		SW-846:6020
	Iron	0.25	NE	0.06	0.015		SW-846:6020
	Lead	0.018	1	0.0005	0.00015		SW-846:6020
	Magnesium	8.6	NE	0.5	0.06	B	SW-846:6020
	Manganese	0.012	NE	0.002	0.0003	B	SW-846:6020
	Mercury	0.00006	0.004	0.0001	0.00006	U	SW-846:7470A
	Nickel	0.003	2	0.005	0.001	JB	SW-846:6020
	Potassium	18	NE	0.5	0.2		SW-846:6020
	Selenium	0.0014	0.25	0.001	0.0005		SW-846:6020
	Silver	0.00007	5	0.0001	0.00003	JB	SW-846:6020
	Sodium	180	NE	5	0.9		SW-846:6020
Thallium	0.00006	NE	0.0002	0.00006	U	SW-846:6020	
Uranium	0.0028	NE	0.0001	0.00003		SW-846:6020	
Vanadium	0.014	NE	0.005	0.0015		SW-846:6020	
Zinc	0.069	2.2	0.006	0.0032	B	SW-846:6020	
WW001 APR-22-2014	Aluminum	0.067	900	0.1	0.018	JB	SW-846:6020
	Antimony	0.00058	NE	0.0003	0.00017		SW-846:6020
	Arsenic	0.0076	0.051	0.002	0.00025		SW-846:6020
	Barium	0.12	NE	0.002	0.00022	B	SW-846:6020
	Beryllium	0.00018	NE	0.001	0.00018	U	SW-846:6020
	Cadmium	0.00012	0.5	0.0003	0.00012	U	SW-846:6020
	Calcium	57	NE	0.5	0.014	B	SW-846:6020
	Chromium	0.0042	4.1	0.005	0.00062	JB	SW-846:6020
	Cobalt	0.00057	NE	0.002	0.00057	U	SW-846:6020
	Copper	0.052	3.2	0.002	0.0011	B	SW-846:6020
	Iron	0.35	NE	0.06	0.0057	B	SW-846:6020
	Lead	0.012	1	0.0005	0.00025		SW-846:6020
	Magnesium	10	NE	0.5	0.015	B	SW-846:6020
	Manganese	0.015	NE	0.002	0.00017	B	SW-846:6020
	Mercury	0.00006	0.004	0.0001	0.00006	U	SW-846:7470A
	Nickel	0.0018	2	0.005	0.0012	JB	SW-846:6020
	Potassium	19	NE	0.5	0.12		SW-846:6020
	Selenium	0.0021	0.25	0.001	0.00054		SW-846:6020
	Silver	0.00014	5	0.0001	0.00004		SW-846:6020
	Sodium	170	NE	2.5	0.062	B	SW-846:6020
Thallium	0.000042	NE	0.0002	0.000042	U	SW-846:6020	
Uranium	0.004	NE	0.0001	0.000088		SW-846:6020	
Vanadium	0.013	NE	0.005	0.00062		SW-846:6020	
Zinc	0.13	2.2	0.006	0.0011	B	SW-846:6020	

B = Analyte was detected in method blank.

J =Reported value greater than the MDL and less than MRL.

NE = Not Established.

U = Analyte was not detected.

**Table 2. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Target Analyte List Metals plus Uranium**

SNL/NM Wastewater Station	Analyte	Result (mg/L)	ABCWUA Daily Maximum Composite Sample Limitations (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW006 OCT-29-2013	Aluminum	0.21	900	0.1	0.026	B	SW-846:6020
	Antimony	0.00017	NE	0.0003	0.0001	JB	SW-846:6020
	Arsenic	0.0037	0.051	0.002	0.0006		SW-846:6020
	Barium	0.14	NE	0.002	0.0012	B	SW-846:6020
	Beryllium	0.00034	NE	0.001	0.00028	J	SW-846:6020
	Cadmium	0.00037	0.5	0.0003	0.00012		SW-846:6020
	Calcium	52	NE	0.5	0.06	B	SW-846:6020
	Chromium	0.0024	4.1	0.005	0.0006	JB	SW-846:6020
	Cobalt	0.0006	NE	0.002	0.0006	U	SW-846:6020
	Copper	0.032	3.2	0.002	0.001		SW-846:6020
	Iron	0.59	NE	0.06	0.015		SW-846:6020
	Lead	0.0013	1	0.0005	0.00015		SW-846:6020
	Magnesium	9.2	NE	0.5	0.06	B	SW-846:6020
	Manganese	0.026	NE	0.002	0.0003	B	SW-846:6020
	Mercury	0.0003	0.004	0.0001	0.00006		SW-846:7470A
	Nickel	0.0012	2	0.005	0.001	JB	SW-846:6020
	Potassium	23	NE	0.5	0.2		SW-846:6020
	Selenium	0.0016	0.25	0.001	0.0005		SW-846:6020
	Silver	0.00048	5	0.0001	0.00003	B	SW-846:6020
	Sodium	81	NE	0.5	0.09		SW-846:6020
Thallium	0.00006	NE	0.0002	0.00006	U	SW-846:6020	
Uranium	0.0023	NE	0.0001	0.00003		SW-846:6020	
Vanadium	0.0083	NE	0.005	0.0015		SW-846:6020	
Zinc	0.094	2.2	0.006	0.0032	B	SW-846:6020	
WW006 APR-22-2014	Aluminum	0.15	900	0.1	0.018	B	SW-846:6020
	Antimony	0.00041	NE	0.0003	0.00017		SW-846:6020
	Arsenic	0.0055	0.051	0.002	0.00025		SW-846:6020
	Barium	0.17	NE	0.002	0.00022	B	SW-846:6020
	Beryllium	0.00018	NE	0.001	0.00018	U	SW-846:6020
	Cadmium	0.00013	0.5	0.0003	0.00012	J	SW-846:6020
	Calcium	71	NE	0.5	0.014	B	SW-846:6020
	Chromium	0.0045	4.1	0.005	0.00062	JB	SW-846:6020
	Cobalt	0.00057	NE	0.002	0.00057	U	SW-846:6020
	Copper	0.036	3.2	0.002	0.0011	B	SW-846:6020
	Iron	0.4	NE	0.06	0.0057	B	SW-846:6020
	Lead	0.0015	1	0.0005	0.00025		SW-846:6020
	Magnesium	14	NE	0.5	0.015	B	SW-846:6020
	Manganese	0.029	NE	0.002	0.00017	B	SW-846:6020
	Mercury	0.00006	0.004	0.0001	0.00006	U	SW-846:7470A
	Nickel	0.0012	2	0.005	0.0012	U	SW-846:6020
	Potassium	35	NE	0.5	0.12		SW-846:6020
	Selenium	0.0024	0.25	0.001	0.00054		SW-846:6020
	Silver	0.0037	5	0.0001	0.00004		SW-846:6020
	Sodium	140	NE	2.5	0.062	B	SW-846:6020
Thallium	0.000042	NE	0.0002	0.000042	U	SW-846:6020	
Uranium	0.0042	NE	0.0001	0.000088		SW-846:6020	
Vanadium	0.005	NE	0.005	0.00062		SW-846:6020	
Zinc	0.11	2.2	0.006	0.0011	B	SW-846:6020	

B = Analyte was detected in method blank.  
J = Reported value greater than the MDL and less than MRL.  
NE = Not Established.  
U = Analyte was not detected.



**Table 2. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Target Analyte List Metals plus Uranium**

SNL/NM Wastewater Station	Analyte	Result (mg/L)	ABCWUA Daily Maximum Composite Sample Limitations (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW008 OCT-29-2013	Aluminum	0.25	900	0.1	0.026	B	SW-846:6020
	Antimony	0.0014	NE	0.0003	0.0001	B	SW-846:6020
	Arsenic	0.0031	0.051	0.002	0.0006		SW-846:6020
	Barium	0.13	NE	0.002	0.0012	B	SW-846:6020
	Beryllium	0.00042	NE	0.001	0.00028	J	SW-846:6020
	Cadmium	0.00059	0.5	0.0003	0.00012		SW-846:6020
	Calcium	50	NE	0.5	0.06	B	SW-846:6020
	Chromium	0.0021	4.1	0.005	0.0006	JB	SW-846:6020
	Cobalt	0.015	NE	0.002	0.0006	B	SW-846:6020
	Copper	0.096	3.2	0.002	0.001		SW-846:6020
	Iron	0.84	NE	0.06	0.015		SW-846:6020
	Lead	0.0026	1	0.0005	0.00015		SW-846:6020
	Magnesium	10	NE	0.5	0.06	B	SW-846:6020
	Manganese	0.049	NE	0.002	0.0003	B	SW-846:6020
	Mercury	0.00011	0.004	0.0001	0.00006		SW-846:7470A
	Nickel	0.014	2	0.005	0.001	B	SW-846:6020
	Potassium	43	NE	0.5	0.2		SW-846:6020
	Selenium	0.0021	0.25	0.001	0.0005		SW-846:6020
	Silver	0.00019	5	0.0001	0.00003	B	SW-846:6020
	Sodium	63	NE	0.5	0.09		SW-846:6020
Thallium	0.00006	NE	0.0002	0.00006	U	SW-846:6020	
Uranium	0.0016	NE	0.0001	0.00003		SW-846:6020	
Vanadium	0.0048	NE	0.005	0.0015	J	SW-846:6020	
Zinc	2.2	2.2	0.006	0.0032	B	SW-846:6020	
WW008 APR-22-2014	Aluminum	0.024	900	0.1	0.018	JB	SW-846:6020
	Antimony	0.00061	NE	0.0003	0.00017		SW-846:6020
	Arsenic	0.0039	0.051	0.002	0.00025		SW-846:6020
	Barium	0.12	NE	0.002	0.00022	B	SW-846:6020
	Beryllium	0.00018	NE	0.001	0.00018	U	SW-846:6020
	Cadmium	0.00012	0.5	0.0003	0.00012	U	SW-846:6020
	Calcium	43	NE	0.5	0.014	B	SW-846:6020
	Chromium	0.00084	4.1	0.005	0.00062	JB	SW-846:6020
	Cobalt	0.00083	NE	0.002	0.00057	JB	SW-846:6020
	Copper	0.043	3.2	0.002	0.0011	B	SW-846:6020
	Iron	0.26	NE	0.06	0.0057	B	SW-846:6020
	Lead	0.00052	1	0.0005	0.00025		SW-846:6020
	Magnesium	8.5	NE	0.5	0.015	B	SW-846:6020
	Manganese	0.023	NE	0.002	0.00017	B	SW-846:6020
	Mercury	0.00006	0.004	0.0001	0.00006	U	SW-846:7470A
	Nickel	0.0049	2	0.005	0.0012	JB	SW-846:6020
	Potassium	16	NE	0.5	0.12		SW-846:6020
	Selenium	0.0011	0.25	0.001	0.00054		SW-846:6020
	Silver	0.00006	5	0.0001	0.00004	J	SW-846:6020
	Sodium	37	NE	0.5	0.12	B	SW-846:6020
Thallium	0.000042	NE	0.0002	0.000042	U	SW-846:6020	
Uranium	0.003	NE	0.0001	0.000088		SW-846:6020	
Vanadium	0.0063	NE	0.005	0.00062		SW-846:6020	
Zinc	0.05	2.2	0.006	0.0011	B	SW-846:6020	

B = Analyte was detected in method blank.

J = Reported value greater than the MDL and less than MRL.

NE = Not Established.

U = Analyte was not detected.

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Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Target Analyte List Metals plus Uranium**

SNL/NM Wastewater Station	Analyte	Result (mg/L)	ABCWUA Daily Maximum Composite Sample Limitations (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW011 OCT-29-2013	Aluminum	0.11	900	0.1	0.026	B	SW-846:6020
	Antimony	0.00017	NE	0.0003	0.0001	JB	SW-846:6020
	Arsenic	0.0035	0.051	0.002	0.0006		SW-846:6020
	Barium	0.15	NE	0.002	0.0012	B	SW-846:6020
	Beryllium	0.00042	NE	0.001	0.00028	J	SW-846:6020
	Cadmium	0.00012	0.5	0.0003	0.00012	U	SW-846:6020
	Calcium	57	NE	0.5	0.06	B	SW-846:6020
	Chromium	0.0028	4.1	0.005	0.0006	JB	SW-846:6020
	Cobalt	0.0006	NE	0.002	0.0006	U	SW-846:6020
	Copper	0.038	3.2	0.002	0.001		SW-846:6020
	Iron	0.33	NE	0.06	0.015		SW-846:6020
	Lead	0.0017	1	0.0005	0.00015		SW-846:6020
	Magnesium	9	NE	0.5	0.06	B	SW-846:6020
	Manganese	0.028	NE	0.002	0.0003	B	SW-846:6020
	Mercury	0.00006	0.004	0.0001	0.00006	U	SW-846:7470A
	Nickel	0.0018	2	0.005	0.001	JB	SW-846:6020
	Potassium	41	NE	0.5	0.2		SW-846:6020
	Selenium	0.0019	0.25	0.001	0.0005		SW-846:6020
	Silver	0.00019	5	0.0001	0.00003	B	SW-846:6020
	Sodium	130	NE	0.5	0.09		SW-846:6020
Thallium	0.00006	NE	0.0002	0.00006	U	SW-846:6020	
Uranium	0.0029	NE	0.0001	0.00003		SW-846:6020	
Vanadium	0.0083	NE	0.005	0.0015		SW-846:6020	
Zinc	0.047	2.2	0.006	0.0032	B	SW-846:6020	
WW011 APR-22-2014	Aluminum	0.087	900	0.1	0.018	JB	SW-846:6020
	Antimony	0.00017	NE	0.0003	0.00017	U	SW-846:6020
	Arsenic	0.0062	0.051	0.002	0.00025		SW-846:6020
	Barium	0.15	NE	0.002	0.00022	B	SW-846:6020
	Beryllium	0.00018	NE	0.001	0.00018	U	SW-846:6020
	Cadmium	0.00012	0.5	0.0003	0.00012	U	SW-846:6020
	Calcium	78	NE	0.5	0.014	B	SW-846:6020
	Chromium	0.033	4.1	0.005	0.00062	B	SW-846:6020
	Cobalt	0.00057	NE	0.002	0.00057	U	SW-846:6020
	Copper	0.025	3.2	0.002	0.0011	B	SW-846:6020
	Iron	0.31	NE	0.06	0.0057	B	SW-846:6020
	Lead	0.00091	1	0.0005	0.00025		SW-846:6020
	Magnesium	15	NE	0.5	0.015	B	SW-846:6020
	Manganese	0.033	NE	0.002	0.00017	B	SW-846:6020
	Mercury	0.00006	0.004	0.0001	0.00006	U	SW-846:7470A
	Nickel	0.0012	2	0.005	0.0012	U	SW-846:6020
	Potassium	48	NE	0.5	0.12		SW-846:6020
	Selenium	0.0015	0.25	0.001	0.00054		SW-846:6020
	Silver	0.0032	5	0.0001	0.00004		SW-846:6020
	Sodium	150	NE	2.5	0.062	B	SW-846:6020
Thallium	0.000042	NE	0.0002	0.000042	U	SW-846:6020	
Uranium	0.005	NE	0.0001	0.000088		SW-846:6020	
Vanadium	0.0091	NE	0.005	0.00062		SW-846:6020	
Zinc	0.061	2.2	0.006	0.0011	B	SW-846:6020	

B = Analyte was detected in method blank.  
J = Reported value greater than the MDL and less than MRL.  
NE = Not Established.  
U = Analyte was not detected.

**Table 3. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Total Cyanide and Fluoride**

Re

SNL/NM Wastewater Station	Analyte	Result (mg/L)	ABCWUA Daily Maximum Composite Sample Limitations (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW001 OCT-29-2013	Fluoride	7.8	22.7	0.1	0.03		EPA:300
WW001 APR-22-2014	Fluoride	8	22.7	0.1	0.03		EPA:300
WW006 OCT-29-2013	Cyanide, Total	0.003	0.45	0.01	0.003	U	SW-846:9014
	Fluoride	0.53	22.7	0.1	0.03		EPA:300
WW006 APR-22-2014	Cyanide, Total	0.003	0.45	0.01	0.003	U	SW-846:9014
	Fluoride	0.85	22.7	0.2	0.06		EPA:300
WW008 OCT-29-2013	Cyanide, Total	0.003	0.45	0.01	0.003	U	SW-846:9014
	Fluoride	0.27	22.7	0.1	0.03		EPA:300
WW008 APR-22-2014	Cyanide, Total	0.003	0.45	0.01	0.003	U	SW-846:9014
	Fluoride	0.48	22.7	0.1	0.03		EPA:300
WW011 OCT-29-2013	Fluoride	0.55	22.7	0.1	0.03		EPA:300
WW011 APR-22-2014	Fluoride	0.70	22.7	0.1	0.03		EPA:300

U = Analyte was not detected.

**Table 4. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Gamma-Emitting Isotopes**

SNL/NM Wastewater Station	Analyte	Activity (pCi/L)			NMAC Sewer Release Limit (Monthly Avg) (pCi/L)	Minimum Detectable Activity (pCi/L)	Lab Qualifier	Analytical Method
			±					
WW001 OCT-29-2013	Actinium-228	12	±	3.9	300,000	15	U	EPA 901.1
	Aluminum-26	-1.1	±	1.4	60,000	5	U	
	Americium-241	33	±	32	200	100	U	
	Antimony-124	-5.8	±	1.8	70,000	6.3	U	
	Antimony-125	3.3	±	3.3	300,000	11	U	
	Beryllium-7	4.3	±	12	6,000,000	39	U	
	Bismuth-212	57	±	17	700,000	54		
	Bismuth-214	22	±	6.1	3,000,000	24	UJ	
	Cadmium-109	30	±	45	60,000	150	U	
	Cerium-139	-1.2	±	1.1	700,000	3.7	U	
	Cerium-144	19	±	7.5	30,000	24	U	
	Cesium-134	-4.7	±	10	9,000	34	U	
	Cesium-137	-0.73	±	1.3	10,000	4.5	U	
	Chromium-51	5.4	±	15	5,000,000	51	U	
	Cobalt-56	0.7	±	2.4	60,000	8.2	U	
	Cobalt-57	-1.7	±	1	600,000	3.5	U	
	Cobalt-58	-0.46	±	1.4	200,000	4.8	U	
	Cobalt-60	-1.6	±	1.3	30,000	4.7	U	
	Europium-152	-7.2	±	6.2	100,000	22	U	
	Europium-154	0.87	±	10	70,000	35	U	
	Europium-155	6.1	±	4.5	500,000	15	U	
	Iodine-131	2.7	±	6	10,000	20	U	
	Iron-59	-0.014	±	3.2	100,000	11	U	
	Lead-212	2.1	±	4.4	20,000	14	U	
	Lead-214	1.6	±	4.9	1,000,000	16	UJ	
	Manganese-54	-0.91	±	1.3	300,000	4.6	U	
	Niobium-94	0.99	±	1.3	100,000	4.4	U	
	Niobium-95	1.5	±	1.3	300,000	4.3	U	
	Potassium-40	-43	±	36	40,000	120	U	
	Protactinium-234m	430	±	180	NE	560	U	
	Ruthenium-106	2.5	±	12	30,000	42	U	
	Scandium-46	-0.54	±	1.4	100,000	4.7	U	
Silver-110m	-2	±	2.6	60,000	8.6	U		
Sodium-22	0.27	±	1.3	60,000	4.4	U		
Strontium-85	0.96	±	1.8	400,000	5.9	U		
Thallium-208	2.9	±	3	NE	10	U		
Thorium-227	-7.4	±	9	20,000	31	U		
Thorium-234	10	±	61	50,000	200	U		
Uranium-235	4.3	±	11	3,000	35	U		
Zinc-65	5.4	±	6.6	50,000	22	U		

J = Result is an estimated activity.

NE = Not Established.

U = Result is less than the sample specific Minimum Detectable Activity.

**Table 4. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Gamma-Emitting Isotopes**

SNL/NM Wastewater Station	Analyte	Activity (pCi/L)			NMAC Sewer Release Limit (Monthly Avg) (pCi/L)	Minimum Detectable Activity (pCi/L)	Lab Qualifier	Analytical Method
WW001 APR-22-2014	Actinium-228	14	±	5.9	300,000	19	U	EPA 901.1
	Aluminum-26	1.3	±	1.7	60,000	5.7	U	
	Americium-241	-0.034	±	1.6	200	5.3	U	
	Antimony-124	1.1	±	1.4	70,000	4.7	U	
	Antimony-125	2.3	±	2.7	300,000	10	U	
	Beryllium-7	6.8	±	9.8	6,000,000	33	U	
	Bismuth-212	-3.2	±	19	700,000	66	U	
	Bismuth-214	3.7	±	5.8	3,000,000	19	UJ	
	Cadmium-109	-13	±	24	60,000	81	U	
	Cerium-139	0.7	±	0.8	700,000	2.7	U	
	Cerium-144	-5	±	4.7	30,000	16	U	
	Cesium-134	-3	±	1.3	9,000	4.5	U	
	Cesium-137	-1.8	±	1.3	10,000	4.7	U	
	Chromium-51	-3.1	±	12	5,000,000	39	U	
	Cobalt-56	4.1	±	2.4	60,000	7.7	U	
	Cobalt-57	-0.13	±	0.59	600,000	2	U	
	Cobalt-58	-1.3	±	1.4	200,000	4.7	U	
	Cobalt-60	0.38	±	1.5	30,000	5.3	U	
	Europium-152	-6.1	±	7.3	100,000	26	U	
	Europium-154	-4.8	±	7.1	70,000	25	U	
	Europium-155	-2.3	±	2.2	500,000	7.6	U	
	Iodine-131	-3.2	±	2.7	10,000	9.3	U	
	Iron-59	5	±	3.2	100,000	11	U	
	Lead-212	1.7	±	4	20,000	13	U	
	Lead-214	2.6	±	4.5	1,000,000	15	UJ	
	Manganese-54	-2.5	±	1.3	300,000	4.5	U	
	Niobium-94	0.95	±	1.4	100,000	4.6	U	
	Niobium-95	-1	±	1.4	300,000	4.9	U	
	Potassium-40	-16	±	39	40,000	130	U	
	Protactinium-234m	150	±	230	NE	770	U	
	Ruthenium-106	2.4	±	12	30,000	42	U	
	Scandium-46	2.1	±	1.5	100,000	5	U	
Silver-110m	-0.86	±	1.2	60,000	4.2	U		
Sodium-22	-0.36	±	1.5	60,000	5.2	U		
Strontium-85	5.6	±	1.6	400,000	4.9			
Thallium-208	1.3	±	0.84	NE	2.7	U		
Thorium-227	-6.9	±	5.8	20,000	20	U		
Thorium-234	54	±	22	50,000	72	U		
Uranium-235	5.3	±	8.5	3,000	38	U		
Zinc-65	1.6	±	3.1	50,000	11	U		

J = Result is an estimated activity.

NE = Not Established.

U = Result is less than the sample specific Minimum Detectable Activity.

**Table 4. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Gamma-Emitting Isotopes**

SNL/NM Wastewater Station	Analyte	Activity (pCi/L)			NMAC Sewer Release Limit (Monthly Avg) (pCi/L)	Minimum Detectable Activity (pCi/L)	Lab Qualifier	Analytical Method
WW006 OCT-29-2013	Actinium-228	11	±	5.5	300,000	23	U	EPA 901.1
	Aluminum-26	2.4	±	1.9	60,000	6.1	U	
	Americium-241	-7.4	±	12	200	41	U	
	Antimony-124	8.9	±	1.8	70,000	5.3		
	Antimony-125	-0.69	±	3.1	300,000	11	U	
	Beryllium-7	-5.1	±	14	6,000,000	46	U	
	Bismuth-212	26	±	20	700,000	65	U	
	Bismuth-214	1.9	±	6.7	3,000,000	22	UJ	
	Cadmium-109	-44	±	32	60,000	110	U	
	Cerium-139	-2.4	±	1.1	700,000	3.8	U	
	Cerium-144	-2.1	±	6.8	30,000	23	U	
	Cesium-134	1.2	±	2.1	9,000	7	U	
	Cesium-137	-1.1	±	1.5	10,000	5	U	
	Chromium-51	1.3	±	16	5,000,000	52	U	
	Cobalt-56	-0.37	±	2.7	60,000	9.5	U	
	Cobalt-57	-0.85	±	0.93	600,000	3.2	U	
	Cobalt-58	0.24	±	1.7	200,000	5.8	U	
	Cobalt-60	-3.8	±	1.7	30,000	6.1	U	
	Europium-152	4.6	±	7.7	100,000	26	U	
	Europium-154	8.7	±	7.8	70,000	26	U	
	Europium-155	3.1	±	4	500,000	13	U	
	Iodine-131	-5.1	±	6.8	10,000	23	U	
	Iron-59	-0.74	±	3.8	100,000	13	U	
	Lead-212	-0.41	±	4	20,000	13	U	
	Lead-214	0.51	±	5.7	1,000,000	19	UJ	
	Manganese-54	0.77	±	1.5	300,000	5.2	U	
	Niobium-94	2.4	±	1.5	100,000	4.8	U	
	Niobium-95	-0.7	±	1.6	300,000	5.5	U	
	Potassium-40	32	±	38	40,000	120	U	
	Protactinium-234m	-72	±	240	NE	830	U	
	Ruthenium-106	14	±	13	30,000	45	U	
	Scandium-46	0.26	±	1.7	100,000	5.6	U	
Silver-110m	0.67	±	1.4	60,000	4.7	U		
Sodium-22	3	±	1.6	60,000	5.2	U		
Strontium-85	5.7	±	2.2	400,000	6.9	U		
Thallium-208	1.4	±	3.5	NE	12	U		
Thorium-227	9.6	±	10	20,000	34	U		
Thorium-234	2.7	±	47	50,000	160	U		
Uranium-235	1.1	±	11	3,000	36	U		
Zinc-65	-2.9	±	3.1	50,000	11	U		

J = Result is an estimated activity.

NE = Not Established.

U = Result is less than the sample specific Minimum Detectable Activity.

**Table 4. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Gamma-Emitting Isotopes**

SNL/NM Wastewater Station	Analyte	Activity (pCi/L)			NMAC Sewer Release Limit (Monthly Avg) (pCi/L)	Minimum Detectable Activity (pCi/L)	Lab Qualifier	Analytical Method
WW006 APR-22-2014	Actinium-228	14	±	5.1	300,000	16	U	EPA 901.1
	Aluminum-26	3	±	1.7	60,000	5.4	U	
	Americium-241	-5.4	±	6.6	200	23	U	
	Antimony-124	1	±	1.5	70,000	5	U	
	Antimony-125	-1.8	±	2.8	300,000	10	U	
	Beryllium-7	3.6	±	9.8	6,000,000	33	U	
	Bismuth-212	36	±	19	700,000	62	U	
	Bismuth-214	13	±	2.9	3,000,000	8.7	J	
	Cadmium-109	14	±	25	60,000	83	U	
	Cerium-139	-1.6	±	0.77	700,000	2.7	U	
	Cerium-144	-0.99	±	5.4	30,000	18	U	
	Cesium-134	-3.2	±	1.4	9,000	4.7	U	
	Cesium-137	-0.67	±	1.4	10,000	4.7	U	
	Chromium-51	-7.4	±	11	5,000,000	36	U	
	Cobalt-56	3.2	±	2.3	60,000	7.7	U	
	Cobalt-57	-0.66	±	0.7	600,000	2.4	U	
	Cobalt-58	1.2	±	1.3	200,000	4.5	U	
	Cobalt-60	-2	±	1.5	30,000	5.3	U	
	Europium-152	-4.2	±	7	100,000	25	U	
	Europium-154	-3.4	±	7.4	70,000	26	U	
	Europium-155	3.2	±	3.1	500,000	10	U	
	Iodine-131	-2.6	±	2.8	10,000	9.5	U	
	Iron-59	3	±	2.9	100,000	9.5	U	
	Lead-212	2.3	±	3.7	20,000	12	U	
	Lead-214	7.1	±	2.8	1,000,000	9.1	UJ	
	Manganese-54	0.35	±	1.3	300,000	4.3	U	
	Niobium-94	1.4	±	1.4	100,000	4.6	U	
	Niobium-95	0.5	±	1.3	300,000	4.4	U	
	Potassium-40	41	±	36	40,000	120	U	
	Protactinium-234m	320	±	230	NE	770	U	
	Ruthenium-106	2.8	±	12	30,000	39	U	
	Scandium-46	1.3	±	1.3	100,000	4.3	U	
Silver-110m	-0.57	±	1.3	60,000	4.4	U		
Sodium-22	1.1	±	1.4	60,000	4.6	U		
Strontium-85	2.7	±	1.7	400,000	5.4	U		
Thallium-208	3.5	±	1.4	NE	4.5	U		
Thorium-227	1.8	±	6.2	20,000	21	U		
Thorium-234	-0.22	±	38	50,000	130	U		
Uranium-235	15	±	6.9	3,000	22	U		
Zinc-65	2.1	±	2.7	50,000	9.1	U		

J = Result is an estimated activity.

NE = Not Established.

U = Result is less than the sample specific Minimum Detectable Activity.

**Table 4. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Gamma-Emitting Isotopes**

SNL/NM Wastewater Station	Analyte	Activity (pCi/L)			NMAC Sewer Release Limit (Monthly Avg) (pCi/L)	Minimum Detectable Activity (pCi/L)	Lab Qualifier	Analytical Method
WW008 OCT-29-2013	Actinium-228	-12	±	14	300,000	49	U	EPA 901.1
	Aluminum-26	2.4	±	2.2	60,000	7.4	U	
	Americium-241	12	±	13	200	44	U	
	Antimony-124	-4.5	±	2.2	70,000	7.7	U	
	Antimony-125	-2.3	±	4	300,000	14	U	
	Beryllium-7	0.28	±	16	6,000,000	53	U	
	Bismuth-212	17	±	25	700,000	83	U	
	Bismuth-214	-2.7	±	6.3	3,000,000	21	UJ	
	Cadmium-109	0.82	±	25	60,000	85	U	
	Cerium-139	0.088	±	1.7	700,000	5.8	U	
	Cerium-144	-4	±	6.4	30,000	22	U	
	Cesium-134	-3.1	±	1.8	9,000	6.1	U	
	Cesium-137	-4.1	±	1.7	10,000	5.9	U	
	Chromium-51	11	±	17	5,000,000	58	U	
	Cobalt-56	1.3	±	3.4	60,000	12	U	
	Cobalt-57	-0.18	±	0.84	600,000	2.8	U	
	Cobalt-58	4.1	±	1.9	200,000	6	U	
	Cobalt-60	-0.94	±	1.8	30,000	6.5	U	
	Europium-152	-5.8	±	9	100,000	32	U	
	Europium-154	-2.4	±	9.4	70,000	32	U	
	Europium-155	-7.3	±	3.5	500,000	12	U	
	Iodine-131	6.3	±	7.8	10,000	26	U	
	Iron-59	2.9	±	4.5	100,000	15	U	
	Lead-212	4.1	±	4.2	20,000	14	U	
	Lead-214	-4.3	±	6.2	1,000,000	21	UJ	
	Manganese-54	0.075	±	1.7	300,000	5.7	U	
	Niobium-94	2.2	±	1.7	100,000	5.6	U	
	Niobium-95	2.6	±	1.9	300,000	6.3	U	
	Potassium-40	26	±	47	40,000	160	U	
	Protactinium-234m	610	±	280	NE	900	U	
Ruthenium-106	-22	±	15	30,000	53	U		
Scandium-46	-0.81	±	1.8	100,000	6.4	U		
Silver-110m	0.2	±	1.6	60,000	5.3	U		
Sodium-22	-0.4	±	1.8	60,000	6.3	U		
Strontium-85	2.9	±	2.5	400,000	8.2	U		
Thallium-208	2.6	±	1.7	NE	5.7	U		
Thorium-227	-9.6	±	11	20,000	37	U		
Thorium-234	0.72	±	40	50,000	130	U		
Uranium-235	24	±	12	3,000	53	U		
Zinc-65	-0.97	±	3.9	50,000	13	U		

J = Result is an estimated activity.

NE = Not Established.

U = Result is less than the sample specific Minimum Detectable Activity.



**Table 4. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Gamma-Emitting Isotopes**

SNL/NM Wastewater Station	Analyte	Activity (pCi/L)			NMAC Sewer Release Limit (Monthly Avg) (pCi/L)	Minimum Detectable Activity (pCi/L)	Lab Qualifier	Analytical Method
WW008 APR-22-2014	Actinium-228	9.5	±	3.5	300,000	13	U	EPA 901.1
	Aluminum-26	-1.2	±	1.4	60,000	4.8	U	
	Americium-241	1.1	±	1.3	200	4.2	U	
	Antimony-124	-0.084	±	1.3	70,000	4.4	U	
	Antimony-125	3	±	2.4	300,000	8.9	U	
	Beryllium-7	4.3	±	9.2	6,000,000	31	U	
	Bismuth-212	34	±	16	700,000	51	U	
	Bismuth-214	10	±	3.9	3,000,000	16	UJ	
	Cadmium-109	16	±	8.8	60,000	29	U	
	Cerium-139	-0.63	±	0.62	700,000	2.1	U	
	Cerium-144	1.3	±	4.1	30,000	14	U	
	Cesium-134	-0.8	±	1.1	9,000	3.9	U	
	Cesium-137	-2.8	±	1.1	10,000	4	U	
	Chromium-51	-9.6	±	9.3	5,000,000	32	U	
	Cobalt-56	0.097	±	2.1	60,000	7.1	U	
	Cobalt-57	0.73	±	0.53	600,000	1.7	U	
	Cobalt-58	-0.74	±	1.2	200,000	4.1	U	
	Cobalt-60	-0.89	±	1.2	30,000	4.3	U	
	Europium-152	2.8	±	5.9	100,000	20	U	
	Europium-154	6.3	±	6.4	70,000	21	U	
	Europium-155	1.7	±	1.7	500,000	5.5	U	
	Iodine-131	-1.5	±	2.7	10,000	9.3	U	
	Iron-59	3.8	±	2.6	100,000	8.6	U	
	Lead-212	-1.7	±	3	20,000	10	U	
	Lead-214	5.4	±	3.7	1,000,000	12	UJ	
	Manganese-54	-1.2	±	1.1	300,000	3.9	U	
	Niobium-94	0.94	±	1.1	100,000	3.8	U	
	Niobium-95	1.3	±	1.2	300,000	3.9	U	
	Potassium-40	-5.6	±	31	40,000	110	U	
	Protactinium-234m	-250	±	200	NE	690	U	
	Ruthenium-106	1.5	±	10	30,000	34	U	
	Scandium-46	0.087	±	1.1	100,000	3.9	U	
Silver-110m	0	±	1.1	60,000	3.6	U		
Sodium-22	-0.95	±	1.2	60,000	4.3	U		
Strontium-85	4.9	±	1.6	400,000	5.1	U		
Thallium-208	1.2	±	2	NE	6.6	U		
Thorium-227	-0.47	±	4.3	20,000	15	U		
Thorium-234	-4.8	±	22	50,000	73	U		
Uranium-235	12	±	4.2	3,000	13	U		
Zinc-65	2.7	±	2.4	50,000	8	U		

J = Result is an estimated activity.

NE = Not Established.

U = Result is less than the sample specific Minimum Detectable Activity.

**Table 4. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Gamma-Emitting Isotopes**

SNL/NM Wastewater Station	Analyte	Activity (pCi/L)			NMAC Sewer Release Limit (Monthly Avg) (pCi/L)	Minimum Detectable Activity (pCi/L)	Lab Qualifier	Analytical Method
			±					
WW011 OCT-29-2013	Actinium-228	-4.1	±	9.5	300,000	15	U	EPA 901.1
	Aluminum-26	-0.49	±	1.8	60,000	5	U	
	Americium-241	3	±	7	200	100	U	
	Antimony-124	0.055	±	1.6	70,000	6.3	U	
	Antimony-125	5.9	±	2.9	300,000	11	U	
	Beryllium-7	1.5	±	11	6,000,000	39	U	
	Bismuth-212	26	±	59	700,000	54	U	
	Bismuth-214	-0.73	±	6.3	3,000,000	24	UJ	
	Cadmium-109	26	±	25	60,000	150	U	
	Cerium-139	0.87	±	0.83	700,000	3.7	U	
	Cerium-144	1.9	±	5.5	30,000	24	U	
	Cesium-134	-3.2	±	1.3	9,000	34	U	
	Cesium-137	-0.23	±	1.4	10,000	4.5	U	
	Chromium-51	12	±	13	5,000,000	51	U	
	Cobalt-56	1.3	±	2.5	60,000	8.2	U	
	Cobalt-57	-0.28	±	0.72	600,000	3.5	U	
	Cobalt-58	2.5	±	1.4	200,000	4.8	U	
	Cobalt-60	-1.1	±	1.5	30,000	4.7	U	
	Europium-152	10	±	7.3	100,000	22	U	
	Europium-154	-11	±	11	70,000	35	U	
	Europium-155	-3.9	±	5	500,000	15	U	
	Iodine-131	4.2	±	5.2	10,000	20	U	
	Iron-59	-0.31	±	3.1	100,000	11	U	
	Lead-212	2.5	±	3.8	20,000	14	U	
	Lead-214	-3	±	5.4	1,000,000	16	UJ	
	Manganese-54	-0.95	±	1.4	300,000	4.6	U	
	Niobium-94	-2.7	±	1.5	100,000	4.4	U	
	Niobium-95	-0.3	±	1.4	300,000	4.3	U	
	Potassium-40	-3.7	±	33	40,000	120	U	
	Protactinium-234m	420	±	210	NE	560	U	
	Ruthenium-106	-12	±	12	30,000	42	U	
	Scandium-46	0.76	±	1.4	100,000	4.7	U	
Silver-110m	1.3	±	1.3	60,000	8.6	U		
Sodium-22	-0.56	±	1.4	60,000	4.4	U		
Strontium-85	2.4	±	1.1	400,000	5.9	U		
Thallium-208	4.2	±	1.4	NE	10	U		
Thorium-227	-6.1	±	8.9	20,000	31	U		
Thorium-234	13	±	39	50,000	200	U		
Uranium-235	1.8	±	5.4	3,000	35	U		
Zinc-65	0.42	±	2.9	50,000	22	U		

J = Result is an estimated activity.

NE = Not Established.

U = Result is less than the sample specific Minimum Detectable Activity.

**Table 4. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Gamma-Emitting Isotopes**

SNL/NM Wastewater Station	Analyte	Activity (pCi/L)			NMAC Sewer Release Limit (Monthly Avg) (pCi/L)	Minimum Detectable Activity (pCi/L)	Lab Qualifier	Analytical Method
WW011 APR-22-2014	Actinium-228	8.1	±	5.8	300,000	19	U	EPA 901.1
	Aluminum-26	-0.021	±	1.8	60,000	6.2	U	
	Americium-241	1.8	±	1.6	200	5.4	U	
	Antimony-124	0.77	±	1.5	70,000	5.1	U	
	Antimony-125	2.9	±	2.9	300,000	10	U	
	Beryllium-7	-9.5	±	10	6,000,000	36	U	
	Bismuth-212	1.8	±	20	700,000	70	U	
	Bismuth-214	8.5	±	5.9	3,000,000	19	UJ	
	Cadmium-109	19	±	14	60,000	46	U	
	Cerium-139	0.88	±	0.82	700,000	2.7	U	
	Cerium-144	-0.69	±	4.8	30,000	16	U	
	Cesium-134	-0.77	±	1.3	9,000	4.6	U	
	Cesium-137	1.2	±	1.3	10,000	4.4	U	
	Chromium-51	1.5	±	12	5,000,000	41	U	
	Cobalt-56	2.3	±	2.5	60,000	8.5	U	
	Cobalt-57	0.42	±	0.61	600,000	2	U	
	Cobalt-58	-2.1	±	1.4	200,000	4.8	U	
	Cobalt-60	-1.2	±	1.6	30,000	5.5	U	
	Europium-152	-1.4	±	7.5	100,000	26	U	
	Europium-154	-4.1	±	8.2	70,000	28	U	
	Europium-155	3.9	±	2.3	500,000	7.5	U	
	Iodine-131	-0.63	±	3.6	10,000	12	U	
	Iron-59	4.5	±	3.4	100,000	11	U	
	Lead-212	1.2	±	4	20,000	13	U	
	Lead-214	3.1	±	4.8	1,000,000	16	UJ	
	Manganese-54	-0.14	±	1.3	300,000	4.6	U	
	Niobium-94	0.74	±	1.5	100,000	5	U	
	Niobium-95	2.7	±	1.5	300,000	4.8	U	
	Potassium-40	10	±	41	40,000	140	U	
	Protactinium-234m	120	±	250	NE	850	U	
	Ruthenium-106	-2	±	13	30,000	43	U	
	Scandium-46	0.37	±	1.5	100,000	5.2	U	
Silver-110m	-0.5	±	1.2	60,000	4.3	U		
Sodium-22	4.2	±	1.6	60,000	5.1	U		
Strontium-85	4.4	±	1.8	400,000	5.4	U		
Thallium-208	2.2	±	3	NE	10	U		
Thorium-227	-3.7	±	5.9	20,000	20	U		
Thorium-234	20	±	23	50,000	75	U		
Uranium-235	16	±	4.7	3,000	16	U		
Zinc-65	1.4	±	3.3	50,000	11	U		

J = Result is an estimated activity.

NE = Not Established.

U = Result is less than the sample specific Minimum Detectable Activity.

**Table 5. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Gross Alpha and Beta and Tritium**

SNL/NM Wastewater Station	Analyte	Activity (pCi/L)			NMAC Sewer Release Limit (Monthly Avg) (pCi/L)	Minimum Detectable Activity (pCi/L)	Lab Qualifier	Analytical Method
			±					
WW001 OCT-29-2013	Gross Alpha	1.9	±	1.4	NE	2.0	U	EPA 900.0/931.0
	Gross Beta	13	±	2.5	NE	2.9		EPA 900.0/931.0
	Tritium	-160	±	210	10,000,000	370.0	U	EPA 906.0
WW001 APR-22-2014	Gross Alpha	3.1	±	0.8	NE	2.2		EPA 900.0/931.0
	Gross Beta	14	±	1.4	NE	2.6		EPA 900.0/931.0
	Tritium	16	±	190	10,000,000	320.0	U	EPA 300.0
WW006 OCT-29-2013	Gross Alpha	1.7	±	0.45	NE	1.3		EPA 900.0/931.0
	Gross Beta	18	±	1.6	NE	2.1		EPA 900.0/931.0
	Tritium	-65	±	220	50,000	370.0	U	EPA 906.0
WW006 APR-22-2014	Gross Alpha	2.9	±	0.67	NE	1.9		EPA 900.0/931.0
	Gross Beta	25	±	2.2	NE	2.2		EPA 900.0/931.0
	Tritium	-150	±	190	50,000	320.0	U	EPA 906.0
WW008 OCT-29-2013	Gross Alpha	0.7	±	2.7	NE	1.2		EPA 900.0/931.0
	Gross Beta	32	±	0.38	NE	2.0	U	EPA 900.0/931.0
	Tritium	-180	±	210	50,000	360.0	U	EPA 906.0
WW008 APR-22-2014	Gross Alpha	0.9	±	0.35	NE	1.1	U	EPA 900.0/931.0
	Gross Beta	17	±	1.4	NE	1.5		EPA 900.0/931.0
	Tritium	38	±	190	50,000	320	U	EPA 906.0
WW011 OCT-29-2013	Gross Alpha	2.5	±	0.61	NE	1.7	U	EPA 900.0/931.0
	Gross Beta	28	±	2.4	NE	2.6		EPA 900.0/931.0
	Tritium	100	±	220	10,000,000	370.0	U	EPA 906.0
WW011 APR-22-2014	Gross Alpha	2.5	±	0.85	NE	2.6		EPA 900.0/931.0
	Gross Beta	37	±	3.2	NE	2.8		EPA 900.0/931.0
	Tritium	14	±	190	10,000,000	320.0	U	EPA 906.0

NE = Not Established.

U = Result is less than the sample specific Minimum Detectable Activity.

**Table 6. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Volatile Organic Compounds (VOCs) Detected**

SNL/NM Wastewater Station	Analyte	Result (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier
WW001 OCT-29-2013	Acetone	53	10	3	
	Bromoform	1.3	1	0.3	
	Chlorodibromomethane	0.5	1	0.3	J
WW001 APR-22-2014	Acetone	130	10	3	
	Bromoform	0.58	1	0.3	J
WW006 OCT-29-2013	Acetone	90	10	3	
WW006 APR-22-2014	Acetone	24	10	3	
	Butanone[2-]	3.2	10	3	J
	Chloroform	0.31	1	0.3	J
WW008 OCT-29-2013	Acetone	5600	500	150	
	Butylbenzene[sec-]	1.3	1	0.3	
	Trimethylbenzene[1,2,4-]	1.5	1	0.3	
WW008 APR-22-2014	Acetone	7	10	3	J
WW011 OCT-29-2013	Acetone	670	100	30	
	Chloroform	0.49	1	0.3	J
WW011 APR-22-2014	Acetone	11	10	3	
	Bromoform	0.33	1	0.3	J
	Chloroform	0.67	1	0.3	J

J =Reported value greater than the MDL and less than MRL.

Table 7. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Volatile Organic Compounds (VOCs)

SNL/NM Wastewater Station	Analyte	Result (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW001 OCT-29-2013	Acetone	53	10	3		SW-846:8260
	Benzene	0.3	1	0.3	U	
	Bromobenzene	0.3	1	0.3	U	
	Bromochloromethane	0.3	1	0.3	U	
	Bromodichloromethane	0.3	1	0.3	U	
	Bromoform	1.3	1	0.3		
	Bromomethane	0.3	1	0.3	U	
	Butanone[2-]	3	10	3	U	
	Butylbenzene[n-]	0.3	1	0.3	U	
	Butylbenzene[sec-]	0.3	1	0.3	U	
	Butylbenzene[tert-]	0.3	1	0.3	U	
	Carbon Disulfide	0.3	1	0.3	U	
	Carbon Tetrachloride	0.3	1	0.3	U	
	Chlorobenzene	0.3	1	0.3	U	
	Chlorodibromomethane	0.5	1	0.3	J	
	Chloroethane	0.3	1	0.3	U	
	Chloroform	0.3	1	0.3	U	
	Chlorohexane[1-]	0.3	1	0.3	U	
	Chloromethane	0.3	1	0.3	U	
	Chlorotoluene[2-]	0.3	1	0.3	U	
	Chlorotoluene[4-]	0.3	1	0.3	U	
	Dibromo-3-Chloropropane[1,2-]	0.6	2	0.6	U	
	Dibromoethane[1,2-]	0.3	1	0.3	U	
	Dibromomethane	0.3	1	0.3	U	
	Dichlorobenzene[1,2-]	0.3	1	0.3	U	
	Dichlorobenzene[1,3-]	0.3	1	0.3	U	
	Dichlorobenzene[1,4-]	0.3	1	0.3	U	
	Dichlorodifluoromethane	0.3	1	0.3	U	
	Dichloroethane[1,1-]	0.3	1	0.3	U	
	Dichloroethane[1,2-]	0.3	1	0.3	U	
Dichloroethene[1,1-]	0.3	1	0.3	U		
Dichloroethene[cis-1,2-]	0.3	1	0.3	U		
Dichloroethene[trans-1,2-]	0.3	1	0.3	U		
Dichloropropane[1,2-]	0.3	1	0.3	U		
Dichloropropane[1,3-]	0.3	1	0.3	U		
Dichloropropane[2,2-]	0.3	1	0.3	U		
Dichloropropene[1,1-]	0.3	1	0.3	U		
Dichloropropene[cis-1,3-]	0.3	1	0.3	U		
Dichloropropene[trans-1,3-]	0.3	1	0.3	U		
Ethylbenzene	0.3	1	0.3	U		
Hexachlorobutadiene	0.3	1	0.3	U		
Hexanone[2-]	3	10	3	U		
Iodomethane	0.3	1	0.3	U		
Isopropylbenzene	0.3	1	0.3	U		
Isopropyltoluene[4-]	0.3	1	0.3	U		
Methyl tert-Butyl Ether	0.3	1	0.3	U		
Methyl-2-pentanone[4-]	3	10	3	U		
Methylene Chloride	0.34	1	0.34	U		
Naphthalene	0.3	1	0.3	U		
Propylbenzene[1-]	0.3	1	0.3	U		
Styrene	0.3	1	0.3	U		
Tetrachloroethane[1,1,1,2-]	0.3	1	0.3	U		
Tetrachloroethane[1,1,2,2-]	0.3	1	0.3	U		
Tetrachloroethene	0.21	1	0.21	U		
Toluene	0.3	1	0.3	U		
Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,3-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,4-]	0.3	1	0.3	U		
Trichloroethane[1,1,1-]	0.3	1	0.3	U		
Trichloroethane[1,1,2-]	0.3	1	0.3	U		
Trichloroethene	0.3	1	0.3	U		
Trichlorofluoromethane	0.3	1	0.3	U		
Trichloropropane[1,2,3-]	0.3	1	0.3	U		
Trimethylbenzene[1,2,4-]	0.3	1	0.3	U		
Trimethylbenzene[1,3,5-]	0.3	1	0.3	U		
Vinyl acetate	0.6	2	0.6	U		
Vinyl Chloride	0.3	1	0.3	U		
Xylene[1,2-]	0.3	1	0.3	U		
Xylene[1,3-]+Xylene[1,4-]	0.3	1	0.3	U		
WW001 OCT-29-2013	Dichloropropane[1,3-]	0.3	1	0.3	U	SW-846:8260
	Dichloropropane[2,2-]	0.3	1	0.3	U	
	Dichloropropene[1,1-]	0.3	1	0.3	U	
	Dichloropropene[cis-1,3-]	0.3	1	0.3	U	
	Dichloropropene[trans-1,3-]	0.3	1	0.3	U	
	Ethylbenzene	0.3	1	0.3	U	
	Hexachlorobutadiene	0.3	1	0.3	U	
	Hexanone[2-]	3	10	3	U	
	Iodomethane	0.3	1	0.3	U	
	Isopropylbenzene	0.3	1	0.3	U	
	Isopropyltoluene[4-]	0.3	1	0.3	U	
	Methyl tert-Butyl Ether	0.3	1	0.3	U	
	Methyl-2-pentanone[4-]	3	10	3	U	
	Methylene Chloride	0.34	1	0.34	U	
	Naphthalene	0.3	1	0.3	U	
	Propylbenzene[1-]	0.3	1	0.3	U	
	Styrene	0.3	1	0.3	U	
	Tetrachloroethane[1,1,1,2-]	0.3	1	0.3	U	
	Tetrachloroethane[1,1,2,2-]	0.3	1	0.3	U	
	Tetrachloroethene	0.21	1	0.21	U	
	Toluene	0.3	1	0.3	U	
	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.3	1	0.3	U	
	Trichlorobenzene[1,2,3-]	0.3	1	0.3	U	
	Trichlorobenzene[1,2,4-]	0.3	1	0.3	U	
	Trichloroethane[1,1,1-]	0.3	1	0.3	U	
	Trichloroethane[1,1,2-]	0.3	1	0.3	U	
	Trichloroethene	0.3	1	0.3	U	
	Trichlorofluoromethane	0.3	1	0.3	U	
	Trichloropropane[1,2,3-]	0.3	1	0.3	U	
	Trimethylbenzene[1,2,4-]	0.3	1	0.3	U	
Trimethylbenzene[1,3,5-]	0.3	1	0.3	U		
Vinyl acetate	0.6	2	0.6	U		
Vinyl Chloride	0.3	1	0.3	U		
Xylene[1,2-]	0.3	1	0.3	U		
Xylene[1,3-]+Xylene[1,4-]	0.3	1	0.3	U		

J = Reported value greater than the MDL and less than MRL.

U = Analyte was not detected.

Table 7. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Volatile Organic Compounds (VOCs)

SNL/NM Wastewater Station	Analyte	Result (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW001 APR-22-2014	Acetone	130	10	3		SW-846:8260
	Benzene	0.3	1	0.3	U	
	Bromobenzene	0.3	1	0.3	U	
	Bromochloromethane	0.3	1	0.3	U	
	Bromodichloromethane	0.3	1	0.3	U	
	Bromoform	0.58	1	0.3	J	
	Bromomethane	0.3	1	0.3	U	
	Butanone[2-]	3	10	3	U	
	Butylbenzene[n-]	0.3	1	0.3	U	
	Butylbenzene[sec-]	0.3	1	0.3	U	
	Butylbenzene[tert-]	0.3	1	0.3	U	
	Carbon Disulfide	0.3	1	0.3	U	
	Carbon Tetrachloride	0.3	1	0.3	U	
	Chlorobenzene	0.3	1	0.3	U	
	Chlorodibromomethane	0.3	1	0.3	U	
	Chloroethane	0.3	1	0.3	U	
	Chloroform	0.3	1	0.3	U	
	Chlorohexane[1-]	0.3	1	0.3	U	
	Chloromethane	0.3	1	0.3	U	
	Chlorotoluene[2-]	0.3	1	0.3	U	
	Chlorotoluene[4-]	0.3	1	0.3	U	
	Dibromo-3-Chloropropane[1,2-]	0.6	2	0.6	U	
	Dibromoethane[1,2-]	0.3	1	0.3	U	
	Dibromomethane	0.3	1	0.3	U	
	Dichlorobenzene[1,2-]	0.3	1	0.3	U	
	Dichlorobenzene[1,3-]	0.3	1	0.3	U	
	Dichlorobenzene[1,4-]	0.3	1	0.3	U	
	Dichlorodifluoromethane	0.3	1	0.3	U	
	Dichloroethane[1,1-]	0.3	1	0.3	U	
	Dichloroethane[1,2-]	0.3	1	0.3	U	
Dichloroethene[1,1-]	0.3	1	0.3	U		
Dichloroethene[cis-1,2-]	0.3	1	0.3	U		
Dichloroethene[trans-1,2-]	0.3	1	0.3	U		
Dichloropropane[1,2-]	0.3	1	0.3	U		
WW001 APR-22-2014	Dichloropropane[1,3-]	0.3	1	0.3	U	SW-846:8260
	Dichloropropane[2,2-]	0.3	1	0.3	U	
	Dichloropropene[1,1-]	0.3	1	0.3	U	
	Dichloropropene[cis-1,3-]	0.3	1	0.3	U	
	Dichloropropene[trans-1,3-]	0.3	1	0.3	U	
	Ethylbenzene	0.3	1	0.3	U	
	Hexachlorobutadiene	0.3	1	0.3	U	
	Hexanone[2-]	3	10	3	U	
	Iodomethane	0.3	1	0.3	U	
	Isopropylbenzene	0.3	1	0.3	U	
	Isopropyltoluene[4-]	0.3	1	0.3	U	
	Methyl tert-Butyl Ether	0.3	1	0.3	U	
	Methyl-2-pentanone[4-]	3	10	3	U	
	Methylene Chloride	0.43	1	0.43	U	
	Naphthalene	0.3	1	0.3	U	
	Propylbenzene[1-]	0.3	1	0.3	U	
	Styrene	0.3	1	0.3	U	
	Tetrachloroethane[1,1,1,2-]	0.3	1	0.3	U	
	Tetrachloroethane[1,1,2,2-]	0.3	1	0.3	U	
	Tetrachloroethene	0.2	1	0.2	U	
	Toluene	0.3	1	0.3	U	
	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.3	1	0.3	U	
	Trichlorobenzene[1,2,3-]	0.3	1	0.3	U	
	Trichlorobenzene[1,2,4-]	0.3	1	0.3	U	
	Trichloroethane[1,1,1-]	0.3	1	0.3	U	
	Trichloroethane[1,1,2-]	0.3	1	0.3	U	
	Trichloroethene	0.3	1	0.3	U	
	Trichlorofluoromethane	0.3	1	0.3	U	
	Trichloropropane[1,2,3-]	0.3	1	0.3	U	
	Trimethylbenzene[1,2,4-]	0.3	1	0.3	U	
Trimethylbenzene[1,3,5-]	0.3	1	0.3	U		
Vinyl acetate	0.68	2	0.68	U		
Vinyl Chloride	0.3	1	0.3	U		
Xylene[1,2-]	0.3	1	0.3	U		
Xylene[1,3-]+Xylene[1,4-]	0.3	1	0.3	U		

J = Reported value greater than the MDL and less than MRL.  
U = Analyte was not detected.

Table 7. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Volatile Organic Compounds (VOCs)

SNL/NM Wastewater Station	Analyte	Result (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW006 OCT-29-2013	Acetone	90	10	3		SW-846:8260
	Benzene	0.3	1	0.3	U	
	Bromobenzene	0.3	1	0.3	U	
	Bromochloromethane	0.3	1	0.3	U	
	Bromodichloromethane	0.3	1	0.3	U	
	Bromoform	0.3	1	0.3	U	
	Bromomethane	0.3	1	0.3	U	
	Butanone[2-]	3	10	3	U	
	Butylbenzene[n-]	0.3	1	0.3	U	
	Butylbenzene[sec-]	0.3	1	0.3	U	
	Butylbenzene[tert-]	0.3	1	0.3	U	
	Carbon Disulfide	0.3	1	0.3	U	
	Carbon Tetrachloride	0.3	1	0.3	U	
	Chlorobenzene	0.3	1	0.3	U	
	Chlorodibromomethane	0.3	1	0.3	U	
	Chloroethane	0.3	1	0.3	U	
	Chloroform	0.3	1	0.3	U	
	Chlorohexane[1-]	0.3	1	0.3	U	
	Chloromethane	0.3	1	0.3	U	
	Chlorotoluene[2-]	0.3	1	0.3	U	
	Chlorotoluene[4-]	0.3	1	0.3	U	
	Dibromo-3-Chloropropane[1,2-]	0.6	2	0.6	U	
	Dibromoethane[1,2-]	0.3	1	0.3	U	
	Dibromomethane	0.3	1	0.3	U	
	Dichlorobenzene[1,2-]	0.3	1	0.3	U	
	Dichlorobenzene[1,3-]	0.3	1	0.3	U	
	Dichlorobenzene[1,4-]	0.3	1	0.3	U	
	Dichlorodifluoromethane	0.3	1	0.3	U	
	Dichloroethane[1,1-]	0.3	1	0.3	U	
	Dichloroethane[1,2-]	0.3	1	0.3	U	
Dichloroethene[1,1-]	0.3	1	0.3	U		
Dichloroethene[cis-1,2-]	0.3	1	0.3	U		
Dichloroethene[trans-1,2-]	0.3	1	0.3	U		
Dichloropropane[1,2-]	0.3	1	0.3	U		
Dichloropropane[1,3-]	0.3	1	0.3	U		
Dichloropropane[2,2-]	0.3	1	0.3	U		
Dichloropropene[1,1-]	0.3	1	0.3	U		
Dichloropropene[cis-1,3-]	0.3	1	0.3	U		
Dichloropropene[trans-1,3-]	0.3	1	0.3	U		
Ethylbenzene	0.3	1	0.3	U		
Hexachlorobutadiene	0.3	1	0.3	U		
Hexanone[2-]	3	10	3	U		
Iodomethane	0.3	1	0.3	U		
Isopropylbenzene	0.3	1	0.3	U		
Isopropyltoluene[4-]	0.3	1	0.3	U		
Methyl tert-Butyl Ether	0.3	1	0.3	U		
Methyl-2-pentanone[4-]	3	10	3	U		
Methylene Chloride	0.34	1	0.34	U		
Naphthalene	0.3	1	0.3	U		
Propylbenzene[1-]	0.3	1	0.3	U		
Styrene	0.3	1	0.3	U		
Tetrachloroethane[1,1,1,2-]	0.3	1	0.3	U		
Tetrachloroethane[1,1,2,2-]	0.3	1	0.3	U		
Tetrachloroethene	0.21	1	0.21	U		
Toluene	0.3	1	0.3	U		
Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,3-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,4-]	0.3	1	0.3	U		
Trichloroethane[1,1,1-]	0.3	1	0.3	U		
Trichloroethane[1,1,2-]	0.3	1	0.3	U		
Trichloroethene	0.3	1	0.3	U		
Trichlorofluoromethane	0.3	1	0.3	U		
Trichloropropane[1,2,3-]	0.3	1	0.3	U		
Trimethylbenzene[1,2,4-]	0.3	1	0.3	U		
Trimethylbenzene[1,3,5-]	0.3	1	0.3	U		
Vinyl acetate	0.6	2	0.6	U		
Vinyl Chloride	0.3	1	0.3	U		
Xylene[1,2-]	0.3	1	0.3	U		
Xylene[1,3-]+Xylene[1,4-]	0.3	1	0.3	U		
WW006 OCT-29-2013						SW-846:8260

J = Reported value greater than the MDL and less than MRL.

U = Analyte was not detected.



Table 7. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Volatile Organic Compounds (VOCs)

SNL/NM Wastewater Station	Analyte	Result (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW006 APR-22-2014	Acetone	24	10	3		SW-846:8260
	Benzene	0.3	1	0.3	U	
	Bromobenzene	0.3	1	0.3	U	
	Bromochloromethane	0.3	1	0.3	U	
	Bromodichloromethane	0.3	1	0.3	U	
	Bromoform	0.3	1	0.3	U	
	Bromomethane	0.3	1	0.3	U	
	Butanone[2-]	3.2	10	3	J	
	Butylbenzene[n-]	0.3	1	0.3	U	
	Butylbenzene[sec-]	0.3	1	0.3	U	
	Butylbenzene[tert-]	0.3	1	0.3	U	
	Carbon Disulfide	0.3	1	0.3	U	
	Carbon Tetrachloride	0.3	1	0.3	U	
	Chlorobenzene	0.3	1	0.3	U	
	Chlorodibromomethane	0.3	1	0.3	U	
	Chloroethane	0.3	1	0.3	U	
	Chloroform	0.31	1	0.3	J	
	Chlorohexane[1-]	0.3	1	0.3	U	
	Chloromethane	0.3	1	0.3	U	
	Chlorotoluene[2-]	0.3	1	0.3	U	
	Chlorotoluene[4-]	0.3	1	0.3	U	
	Dibromo-3-Chloropropane[1,2-]	0.6	2	0.6	U	
	Dibromoethane[1,2-]	0.3	1	0.3	U	
	Dibromomethane	0.3	1	0.3	U	
	Dichlorobenzene[1,2-]	0.3	1	0.3	U	
	Dichlorobenzene[1,3-]	0.3	1	0.3	U	
	Dichlorobenzene[1,4-]	0.3	1	0.3	U	
	Dichlorodifluoromethane	0.3	1	0.3	U	
	Dichloroethane[1,1-]	0.3	1	0.3	U	
	Dichloroethane[1,2-]	0.3	1	0.3	U	
Dichloroethene[1,1-]	0.3	1	0.3	U		
Dichloroethene[cis-1,2-]	0.3	1	0.3	U		
Dichloroethene[trans-1,2-]	0.3	1	0.3	U		
Dichloropropane[1,2-]	0.3	1	0.3	U		
Dichloropropane[1,3-]	0.3	1	0.3	U		
Dichloropropane[2,2-]	0.3	1	0.3	U		
Dichloropropene[1,1-]	0.3	1	0.3	U		
Dichloropropene[cis-1,3-]	0.3	1	0.3	U		
Dichloropropene[trans-1,3-]	0.3	1	0.3	U		
Ethylbenzene	0.3	1	0.3	U		
Hexachlorobutadiene	0.3	1	0.3	U		
Hexanone[2-]	3	10	3	U		
Iodomethane	0.3	1	0.3	U		
Isopropylbenzene	0.3	1	0.3	U		
Isopropyltoluene[4-]	0.3	1	0.3	U		
Methyl tert-Butyl Ether	0.3	1	0.3	U		
Methyl-2-pentanone[4-]	3	10	3	U		
Methylene Chloride	0.43	1	0.43	U		
Naphthalene	0.3	1	0.3	U		
Propylbenzene[1-]	0.3	1	0.3	U		
Styrene	0.3	1	0.3	U		
Tetrachloroethane[1,1,1,2-]	0.3	1	0.3	U		
Tetrachloroethane[1,1,2,2-]	0.3	1	0.3	U		
Tetrachloroethene	0.2	1	0.2	U		
Toluene	0.3	1	0.3	U		
Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,3-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,4-]	0.3	1	0.3	U		
Trichloroethane[1,1,1-]	0.3	1	0.3	U		
Trichloroethane[1,1,2-]	0.3	1	0.3	U		
Trichloroethene	0.3	1	0.3	U		
Trichlorofluoromethane	0.3	1	0.3	U		
Trichloropropane[1,2,3-]	0.3	1	0.3	U		
Trimethylbenzene[1,2,4-]	0.3	1	0.3	U		
Trimethylbenzene[1,3,5-]	0.3	1	0.3	U		
Vinyl acetate	0.68	2	0.68	U		
Vinyl Chloride	0.3	1	0.3	U		
Xylene[1,2-]	0.3	1	0.3	U		
Xylene[1,3-]+Xylene[1,4-]	0.3	1	0.3	U		
WW006 APR-22-2014						SW-846:8260

J = Reported value greater than the MDL and less than MRL.

U = Analyte was not detected.

Table 7. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Volatile Organic Compounds (VOCs)

SNL/NM Wastewater Station	Analyte	Result (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW008 OCT-29-2013	Acetone	5600	500	150		SW-846:8260
	Benzene	0.3	1	0.3	U	
	Bromobenzene	0.3	1	0.3	U	
	Bromochloromethane	0.3	1	0.3	U	
	Bromodichloromethane	0.3	1	0.3	U	
	Bromoform	0.3	1	0.3	U	
	Bromomethane	0.3	1	0.3	U	
	Butanone[2-]	3	10	3	U	
	Butylbenzene[n-]	0.3	1	0.3	U	
	Butylbenzene[sec-]	1.3	1	0.3	U	
	Butylbenzene[tert-]	0.3	1	0.3	U	
	Carbon Disulfide	0.3	1	0.3	U	
	Carbon Tetrachloride	0.3	1	0.3	U	
	Chlorobenzene	0.3	1	0.3	U	
	Chlorodibromomethane	0.3	1	0.3	U	
	Chloroethane	0.3	1	0.3	U	
	Chloroform	0.3	1	0.3	U	
	Chlorohexane[1-]	0.3	1	0.3	U	
	Chloromethane	0.3	1	0.3	U	
	Chlorotoluene[2-]	0.3	1	0.3	U	
	Chlorotoluene[4-]	0.3	1	0.3	U	
	Dibromo-3-Chloropropane[1,2-]	0.6	2	0.6	U	
	Dibromoethane[1,2-]	0.3	1	0.3	U	
	Dibromomethane	0.3	1	0.3	U	
	Dichlorobenzene[1,2-]	0.3	1	0.3	U	
	Dichlorobenzene[1,3-]	0.3	1	0.3	U	
	Dichlorobenzene[1,4-]	0.3	1	0.3	U	
	Dichlorodifluoromethane	0.3	1	0.3	U	
	Dichloroethane[1,1-]	0.3	1	0.3	U	
	Dichloroethane[1,2-]	0.3	1	0.3	U	
Dichloroethene[1,1-]	0.3	1	0.3	U		
Dichloroethene[cis-1,2-]	0.3	1	0.3	U		
Dichloroethene[trans-1,2-]	0.3	1	0.3	U		
Dichloropropane[1,2-]	0.3	1	0.3	U		
Dichloropropane[1,3-]	0.3	1	0.3	U		
Dichloropropane[2,2-]	0.3	1	0.3	U		
Dichloropropene[1,1-]	0.3	1	0.3	U		
Dichloropropene[cis-1,3-]	0.3	1	0.3	U		
Dichloropropene[trans-1,3-]	0.3	1	0.3	U		
Ethylbenzene	0.3	1	0.3	U		
Hexachlorobutadiene	0.3	1	0.3	U		
Hexanone[2-]	3	10	3	U		
Iodomethane	0.3	1	0.3	U		
Isopropylbenzene	0.3	1	0.3	U		
Isopropyltoluene[4-]	0.3	1	0.3	U		
Methyl tert-Butyl Ether	0.3	1	0.3	U		
Methyl-2-pentanone[4-]	3	10	3	U		
Methylene Chloride	0.34	1	0.34	U		
Naphthalene	0.3	1	0.3	U		
Propylbenzene[1-]	0.3	1	0.3	U		
Styrene	0.3	1	0.3	U		
Tetrachloroethane[1,1,1,2-]	0.3	1	0.3	U		
Tetrachloroethane[1,1,2,2-]	0.3	1	0.3	U		
Tetrachloroethene	0.21	1	0.21	U		
Toluene	0.3	1	0.3	U		
Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,3-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,4-]	0.3	1	0.3	U		
Trichloroethane[1,1,1-]	0.3	1	0.3	U		
Trichloroethane[1,1,2-]	0.3	1	0.3	U		
Trichloroethene	0.3	1	0.3	U		
Trichlorofluoromethane	0.3	1	0.3	U		
Trichloropropane[1,2,3-]	0.3	1	0.3	U		
Trimethylbenzene[1,2,4-]	1.5	1	0.3	U		
Trimethylbenzene[1,3,5-]	0.3	1	0.3	U		
Vinyl acetate	0.6	2	0.6	U		
Vinyl Chloride	0.3	1	0.3	U		
Xylene[1,2-]	0.3	1	0.3	U		
Xylene[1,3-]+Xylene[1,4-]	0.3	1	0.3	U		

J = Reported value greater than the MDL and less than MRL.

U = Analyte was not detected.

Table 7. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Volatile Organic Compounds (VOCs)

SNL/NM Wastewater Station	Analyte	Result (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW008 APR-22-2014	Acetone	7	10	3	J	SW-846:8260
	Benzene	0.3	1	0.3	U	
	Bromobenzene	0.3	1	0.3	U	
	Bromochloromethane	0.3	1	0.3	U	
	Bromodichloromethane	0.3	1	0.3	U	
	Bromoform	0.3	1	0.3	U	
	Bromomethane	0.3	1	0.3	U	
	Butanone[2-]	3	10	3	U	
	Butylbenzene[n-]	0.3	1	0.3	U	
	Butylbenzene[sec-]	0.3	1	0.3	U	
	Butylbenzene[tert-]	0.3	1	0.3	U	
	Carbon Disulfide	0.3	1	0.3	U	
	Carbon Tetrachloride	0.3	1	0.3	U	
	Chlorobenzene	0.3	1	0.3	U	
	Chlorodibromomethane	0.3	1	0.3	U	
	Chloroethane	0.3	1	0.3	U	
	Chloroform	0.3	1	0.3	U	
	Chlorohexane[1-]	0.3	1	0.3	U	
	Chloromethane	0.3	1	0.3	U	
	Chlorotoluene[2-]	0.3	1	0.3	U	
	Chlorotoluene[4-]	0.3	1	0.3	U	
	Dibromo-3-Chloropropane[1,2-]	0.6	2	0.6	U	
	Dibromoethane[1,2-]	0.3	1	0.3	U	
	Dibromomethane	0.3	1	0.3	U	
	Dichlorobenzene[1,2-]	0.3	1	0.3	U	
	Dichlorobenzene[1,3-]	0.3	1	0.3	U	
	Dichlorobenzene[1,4-]	0.3	1	0.3	U	
	Dichlorodifluoromethane	0.3	1	0.3	U	
	Dichloroethane[1,1-]	0.3	1	0.3	U	
	Dichloroethane[1,2-]	0.3	1	0.3	U	
Dichloroethene[1,1-]	0.3	1	0.3	U		
Dichloroethene[cis-1,2-]	0.3	1	0.3	U		
Dichloroethene[trans-1,2-]	0.3	1	0.3	U		
Dichloropropane[1,2-]	0.3	1	0.3	U		
Dichloropropane[1,3-]	0.3	1	0.3	U		
Dichloropropane[2,2-]	0.3	1	0.3	U		
Dichloropropene[1,1-]	0.3	1	0.3	U		
Dichloropropene[cis-1,3-]	0.3	1	0.3	U		
Dichloropropene[trans-1,3-]	0.3	1	0.3	U		
Ethylbenzene	0.3	1	0.3	U		
Hexachlorobutadiene	0.3	1	0.3	U		
Hexanone[2-]	3	10	3	U		
Iodomethane	0.3	1	0.3	U		
Isopropylbenzene	0.3	1	0.3	U		
Isopropyltoluene[4-]	0.3	1	0.3	U		
Methyl tert-Butyl Ether	0.3	1	0.3	U		
Methyl-2-pentanone[4-]	3	10	3	U		
Methylene Chloride	0.43	1	0.43	U		
Naphthalene	0.3	1	0.3	U		
Propylbenzene[1-]	0.3	1	0.3	U		
Styrene	0.3	1	0.3	U		
Tetrachloroethane[1,1,1,2-]	0.3	1	0.3	U		
Tetrachloroethane[1,1,2,2-]	0.3	1	0.3	U		
Tetrachloroethene	0.2	1	0.2	U		
Toluene	0.3	1	0.3	U		
Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,3-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,4-]	0.3	1	0.3	U		
Trichloroethane[1,1,1-]	0.3	1	0.3	U		
Trichloroethane[1,1,2-]	0.3	1	0.3	U		
Trichloroethene	0.3	1	0.3	U		
Trichlorofluoromethane	0.3	1	0.3	U		
Trichloropropane[1,2,3-]	0.3	1	0.3	U		
Trimethylbenzene[1,2,4-]	0.3	1	0.3	U		
Trimethylbenzene[1,3,5-]	0.3	1	0.3	U		
Vinyl acetate	0.68	2	0.68	U		
Vinyl Chloride	0.3	1	0.3	U		
Xylene[1,2-]	0.3	1	0.3	U		
Xylene[1,3-]+Xylene[1,4-]	0.3	1	0.3	U		
WW008 APR-22-2014						SW-846:8260

J = Reported value greater than the MDL and less than MRL.  
U = Analyte was not detected.

Table 7. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Volatile Organic Compounds (VOCs)

SNL/NM Wastewater Station	Analyte	Result (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW011 OCT-29-2013	Acetone	670	100	30		SW-846:8260
	Benzene	0.3	1	0.3	U	
	Bromobenzene	0.3	1	0.3	U	
	Bromochloromethane	0.3	1	0.3	U	
	Bromodichloromethane	0.3	1	0.3	U	
	Bromoform	0.3	1	0.3	U	
	Bromomethane	0.3	1	0.3	U	
	Butanone[2-]	3	10	3	U	
	Butylbenzene[n-]	0.3	1	0.3	U	
	Butylbenzene[sec-]	0.3	1	0.3	U	
	Butylbenzene[tert-]	0.3	1	0.3	U	
	Carbon Disulfide	0.3	1	0.3	U	
	Carbon Tetrachloride	0.3	1	0.3	U	
	Chlorobenzene	0.3	1	0.3	U	
	Chlorodibromomethane	0.3	1	0.3	U	
	Chloroethane	0.3	1	0.3	U	
	Chloroform	0.49	1	0.3	J	
	Chlorohexane[1-]	0.3	1	0.3	U	
	Chloromethane	0.3	1	0.3	U	
	Chlorotoluene[2-]	0.3	1	0.3	U	
	Chlorotoluene[4-]	0.3	1	0.3	U	
	Dibromo-3-Chloropropane[1,2-]	0.6	2	0.6	U	
	Dibromoethane[1,2-]	0.3	1	0.3	U	
	Dibromomethane	0.3	1	0.3	U	
	Dichlorobenzene[1,2-]	0.3	1	0.3	U	
	Dichlorobenzene[1,3-]	0.3	1	0.3	U	
	Dichlorobenzene[1,4-]	0.3	1	0.3	U	
	Dichlorodifluoromethane	0.3	1	0.3	U	
	Dichloroethane[1,1-]	0.3	1	0.3	U	
	Dichloroethane[1,2-]	0.3	1	0.3	U	
Dichloroethene[1,1-]	0.3	1	0.3	U		
Dichloroethene[cis-1,2-]	0.3	1	0.3	U		
Dichloroethene[trans-1,2-]	0.3	1	0.3	U		
Dichloropropane[1,2-]	0.3	1	0.3	U		
Dichloropropane[1,3-]	0.3	1	0.3	U		
Dichloropropane[2,2-]	0.3	1	0.3	U		
Dichloropropene[1,1-]	0.3	1	0.3	U		
Dichloropropene[cis-1,3-]	0.3	1	0.3	U		
Dichloropropene[trans-1,3-]	0.3	1	0.3	U		
Ethylbenzene	0.3	1	0.3	U		
Hexachlorobutadiene	0.3	1	0.3	U		
Hexanone[2-]	3	10	3	U		
Iodomethane	0.3	1	0.3	U		
Isopropylbenzene	0.3	1	0.3	U		
Isopropyltoluene[4-]	0.3	1	0.3	U		
Methyl tert-Butyl Ether	0.3	1	0.3	U		
Methyl-2-pentanone[4-]	3	10	3	U		
Methylene Chloride	0.34	1	0.34	U		
Naphthalene	0.3	1	0.3	U		
Propylbenzene[1-]	0.3	1	0.3	U		
Styrene	0.3	1	0.3	U		
Tetrachloroethane[1,1,1,2-]	0.3	1	0.3	U		
Tetrachloroethane[1,1,2,2-]	0.3	1	0.3	U		
Tetrachloroethene	0.21	1	0.21	U		
Toluene	0.3	1	0.3	U		
Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,3-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,4-]	0.3	1	0.3	U		
Trichloroethane[1,1,1-]	0.3	1	0.3	U		
Trichloroethane[1,1,2-]	0.3	1	0.3	U		
Trichloroethene	0.3	1	0.3	U		
Trichlorofluoromethane	0.3	1	0.3	U		
Trichloropropane[1,2,3-]	0.3	1	0.3	U		
Trimethylbenzene[1,2,4-]	0.3	1	0.3	U		
Trimethylbenzene[1,3,5-]	0.3	1	0.3	U		
Vinyl acetate	0.6	2	0.6	U		
Vinyl Chloride	0.3	1	0.3	U		
Xylene[1,2-]	0.3	1	0.3	U		
Xylene[1,3-]+Xylene[1,4-]	0.3	1	0.3	U		

J = Reported value greater than the MDL and less than MRL.

U = Analyte was not detected.

Table 7. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Volatile Organic Compounds (VOCs)

SNL/NM Wastewater Station	Analyte	Result (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
WW011 APR-22-2014	Acetone	11	10	3		SW-846:8260
	Benzene	0.3	1	0.3	U	
	Bromobenzene	0.3	1	0.3	U	
	Bromochloromethane	0.3	1	0.3	U	
	Bromodichloromethane	0.3	1	0.3	U	
	Bromoform	0.33	1	0.3	J	
	Bromomethane	0.3	1	0.3	U	
	Butanone[2-]	3	10	3	U	
	Butylbenzene[n-]	0.3	1	0.3	U	
	Butylbenzene[sec-]	0.3	1	0.3	U	
	Butylbenzene[tert-]	0.3	1	0.3	U	
	Carbon Disulfide	0.3	1	0.3	U	
	Carbon Tetrachloride	0.3	1	0.3	U	
	Chlorobenzene	0.3	1	0.3	U	
	Chlorodibromomethane	0.3	1	0.3	U	
	Chloroethane	0.3	1	0.3	U	
	Chloroform	0.67	1	0.3	J	
	Chlorohexane[1-]	0.3	1	0.3	U	
	Chloromethane	0.3	1	0.3	U	
	Chlorotoluene[2-]	0.3	1	0.3	U	
	Chlorotoluene[4-]	0.3	1	0.3	U	
	Dibromo-3-Chloropropane[1,2-]	0.6	2	0.6	U	
	Dibromoethane[1,2-]	0.3	1	0.3	U	
	Dibromomethane	0.3	1	0.3	U	
	Dichlorobenzene[1,2-]	0.3	1	0.3	U	
	Dichlorobenzene[1,3-]	0.3	1	0.3	U	
	Dichlorobenzene[1,4-]	0.3	1	0.3	U	
	Dichlorodifluoromethane	0.3	1	0.3	U	
	Dichloroethane[1,1-]	0.3	1	0.3	U	
	Dichloroethane[1,2-]	0.3	1	0.3	U	
Dichloroethene[1,1-]	0.3	1	0.3	U		
Dichloroethene[cis-1,2-]	0.3	1	0.3	U		
Dichloroethene[trans-1,2-]	0.3	1	0.3	U		
Dichloropropane[1,2-]	0.3	1	0.3	U		
Dichloropropane[1,3-]	0.3	1	0.3	U		
Dichloropropane[2,2-]	0.3	1	0.3	U		
Dichloropropene[1,1-]	0.3	1	0.3	U		
Dichloropropene[cis-1,3-]	0.3	1	0.3	U		
Dichloropropene[trans-1,3-]	0.3	1	0.3	U		
Ethylbenzene	0.3	1	0.3	U		
Hexachlorobutadiene	0.3	1	0.3	U		
Hexanone[2-]	3	10	3	U		
Iodomethane	0.3	1	0.3	U		
Isopropylbenzene	0.3	1	0.3	U		
Isopropyltoluene[4-]	0.3	1	0.3	U		
Methyl tert-Butyl Ether	0.3	1	0.3	U		
Methyl-2-pentanone[4-]	3	10	3	U		
Methylene Chloride	0.43	1	0.43	U		
Naphthalene	0.3	1	0.3	U		
Propylbenzene[1-]	0.3	1	0.3	U		
Styrene	0.3	1	0.3	U		
Tetrachloroethane[1,1,1,2-]	0.3	1	0.3	U		
Tetrachloroethane[1,1,2,2-]	0.3	1	0.3	U		
Tetrachloroethene	0.2	1	0.2	U		
Toluene	0.3	1	0.3	U		
Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,3-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,4-]	0.3	1	0.3	U		
Trichloroethane[1,1,1-]	0.3	1	0.3	U		
Trichloroethane[1,1,2-]	0.3	1	0.3	U		
Trichloroethene	0.3	1	0.3	U		
Trichlorofluoromethane	0.3	1	0.3	U		
Trichloropropane[1,2,3-]	0.3	1	0.3	U		
Trimethylbenzene[1,2,4-]	0.3	1	0.3	U		
Trimethylbenzene[1,3,5-]	0.3	1	0.3	U		
Vinyl acetate	0.68	2	0.68	U		
Vinyl Chloride	0.3	1	0.3	U		
Xylene[1,2-]	0.3	1	0.3	U		
Xylene[1,3-]+Xylene[1,4-]	0.3	1	0.3	U		
WW011 APR-22-2014						SW-846:8260

J = Reported value greater than the MDL and less than MRL.  
U = Analyte was not detected.

Table 7. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Volatile Organic Compounds (VOCs)

SNL/NM Wastewater Station	Analyte	Result (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
Trip Blank OCT-29-2013	Acetone	3	10	3	U	SW-846:8260
	Benzene	0.3	1	0.3	U	
	Bromobenzene	0.3	1	0.3	U	
	Bromochloromethane	0.3	1	0.3	U	
	Bromodichloromethane	0.3	1	0.3	U	
	Bromoform	0.3	1	0.3	U	
	Bromomethane	0.3	1	0.3	U	
	Butanone[2-]	3	10	3	U	
	Butylbenzene[n-]	0.3	1	0.3	U	
	Butylbenzene[sec-]	0.3	1	0.3	U	
	Butylbenzene[tert-]	0.3	1	0.3	U	
	Carbon Disulfide	0.3	1	0.3	U	
	Carbon Tetrachloride	0.3	1	0.3	U	
	Chlorobenzene	0.3	1	0.3	U	
	Chlorodibromomethane	0.3	1	0.3	U	
	Chloroethane	0.3	1	0.3	U	
	Chloroform	0.3	1	0.3	U	
	Chlorohexane[1-]	0.3	1	0.3	U	
	Chloromethane	0.3	1	0.3	U	
	Chlorotoluene[2-]	0.3	1	0.3	U	
	Chlorotoluene[4-]	0.3	1	0.3	U	
	Dibromo-3-Chloropropane[1,2-]	0.6	2	0.6	U	
	Dibromoethane[1,2-]	0.3	1	0.3	U	
	Dibromomethane	0.3	1	0.3	U	
	Dichlorobenzene[1,2-]	0.3	1	0.3	U	
	Dichlorobenzene[1,3-]	0.3	1	0.3	U	
	Dichlorobenzene[1,4-]	0.3	1	0.3	U	
	Dichlorodifluoromethane	0.3	1	0.3	U	
	Dichloroethane[1,1-]	0.3	1	0.3	U	
	Dichloroethane[1,2-]	0.3	1	0.3	U	
Dichloroethene[1,1-]	0.3	1	0.3	U		
Dichloroethene[cis-1,2-]	0.3	1	0.3	U		
Dichloroethene[trans-1,2-]	0.3	1	0.3	U		
Dichloropropane[1,2-]	0.3	1	0.3	U		
Dichloropropane[1,3-]	0.3	1	0.3	U		
Dichloropropane[2,2-]	0.3	1	0.3	U		
Dichloropropene[1,1-]	0.3	1	0.3	U		
Dichloropropene[cis-1,3-]	0.3	1	0.3	U		
Dichloropropene[trans-1,3-]	0.3	1	0.3	U		
Ethylbenzene	0.3	1	0.3	U		
Hexachlorobutadiene	0.3	1	0.3	U		
Hexanone[2-]	3	10	3	U		
Iodomethane	0.3	1	0.3	U		
Isopropylbenzene	0.3	1	0.3	U		
Isopropyltoluene[4-]	0.3	1	0.3	U		
Methyl tert-Butyl Ether	0.3	1	0.3	U		
Methyl-2-pentanone[4-]	3	10	3	U		
Methylene Chloride	0.34	1	0.34	U		
Naphthalene	0.3	1	0.3	U		
Propylbenzene[1-]	0.3	1	0.3	U		
Styrene	0.3	1	0.3	U		
Tetrachloroethane[1,1,1,2-]	0.3	1	0.3	U		
Tetrachloroethane[1,1,2,2-]	0.3	1	0.3	U		
Tetrachloroethene	0.21	1	0.21	U		
Toluene	0.3	1	0.3	U		
Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,3-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,4-]	0.3	1	0.3	U		
Trichloroethane[1,1,1-]	0.3	1	0.3	U		
Trichloroethane[1,1,2-]	0.3	1	0.3	U		
Trichloroethene	0.3	1	0.3	U		
Trichlorofluoromethane	0.3	1	0.3	U		
Trichloropropane[1,2,3-]	0.3	1	0.3	U		
Trimethylbenzene[1,2,4-]	0.3	1	0.3	U		
Trimethylbenzene[1,3,5-]	0.3	1	0.3	U		
Vinyl acetate	0.6	2	0.6	U		
Vinyl Chloride	0.3	1	0.3	U		
Xylene[1,2-]	0.3	1	0.3	U		
Xylene[1,3-]+Xylene[1,4-]	0.3	1	0.3	U		
Trip Blank OCT-29-2013						SW-846:8260

J = Reported value greater than the MDL and less than MRL.

U = Analyte was not detected.

Table 7. New Mexico Environment Department DOE Oversight Bureau  
Wastewater Quality Results for October 29, 2013 and April 22, 2014 sampling events  
Volatile Organic Compounds (VOCs)

SNL/NM Wastewater Station	Analyte	Result (mg/L)	Minimum Reporting Limit (mg/L)	Method Detection Limit (mg/L)	Lab Qualifier	Analytical Method
Trip Blank APR-22-2014	Acetone	3	10	3	U	SW-846:8260
	Benzene	0.3	1	0.3	U	
	Bromobenzene	0.3	1	0.3	U	
	Bromochloromethane	0.3	1	0.3	U	
	Bromodichloromethane	0.3	1	0.3	U	
	Bromoform	0.3	1	0.3	U	
	Bromomethane	0.3	1	0.3	U	
	Butanone[2-]	3	10	3	U	
	Butylbenzene[n-]	0.3	1	0.3	U	
	Butylbenzene[sec-]	0.3	1	0.3	U	
	Butylbenzene[tert-]	0.3	1	0.3	U	
	Carbon Disulfide	0.3	1	0.3	U	
	Carbon Tetrachloride	0.3	1	0.3	U	
	Chlorobenzene	0.3	1	0.3	U	
	Chlorodibromomethane	0.3	1	0.3	U	
	Chloroethane	0.3	1	0.3	U	
	Chloroform	0.3	1	0.3	U	
	Chlorohexane[1-]	0.3	1	0.3	U	
	Chloromethane	0.3	1	0.3	U	
	Chlorotoluene[2-]	0.3	1	0.3	U	
	Chlorotoluene[4-]	0.3	1	0.3	U	
	Dibromo-3-Chloropropane[1,2-]	0.6	2	0.6	U	
	Dibromoethane[1,2-]	0.3	1	0.3	U	
	Dibromomethane	0.3	1	0.3	U	
	Dichlorobenzene[1,2-]	0.3	1	0.3	U	
	Dichlorobenzene[1,3-]	0.3	1	0.3	U	
	Dichlorobenzene[1,4-]	0.3	1	0.3	U	
	Dichlorodifluoromethane	0.3	1	0.3	U	
	Dichloroethane[1,1-]	0.3	1	0.3	U	
	Dichloroethane[1,2-]	0.3	1	0.3	U	
Dichloroethene[1,1-]	0.3	1	0.3	U		
Dichloroethene[cis-1,2-]	0.3	1	0.3	U		
Dichloroethene[trans-1,2-]	0.3	1	0.3	U		
Dichloropropane[1,2-]	0.3	1	0.3	U		
Dichloropropane[1,3-]	0.3	1	0.3	U		
Dichloropropane[2,2-]	0.3	1	0.3	U		
Dichloropropene[1,1-]	0.3	1	0.3	U		
Dichloropropene[cis-1,3-]	0.3	1	0.3	U		
Dichloropropene[trans-1,3-]	0.3	1	0.3	U		
Ethylbenzene	0.3	1	0.3	U		
Hexachlorobutadiene	0.3	1	0.3	U		
Hexanone[2-]	3	10	3	U		
Iodomethane	0.3	1	0.3	U		
Isopropylbenzene	0.3	1	0.3	U		
Isopropyltoluene[4-]	0.3	1	0.3	U		
Methyl tert-Butyl Ether	0.3	1	0.3	U		
Methyl-2-pentanone[4-]	3	10	3	U		
Methylene Chloride	0.59	1	0.43	J		
Naphthalene	0.3	1	0.3	U		
Propylbenzene[1-]	0.3	1	0.3	U		
Styrene	0.3	1	0.3	U		
Tetrachloroethane[1,1,1,2-]	0.3	1	0.3	U		
Tetrachloroethane[1,1,2,2-]	0.3	1	0.3	U		
Tetrachloroethene	0.2	1	0.2	U		
Toluene	0.3	1	0.3	U		
Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,3-]	0.3	1	0.3	U		
Trichlorobenzene[1,2,4-]	0.3	1	0.3	U		
Trichloroethane[1,1,1-]	0.3	1	0.3	U		
Trichloroethane[1,1,2-]	0.3	1	0.3	U		
Trichloroethene	0.3	1	0.3	U		
Trichlorofluoromethane	0.3	1	0.3	U		
Trichloropropane[1,2,3-]	0.3	1	0.3	U		
Trimethylbenzene[1,2,4-]	0.3	1	0.3	U		
Trimethylbenzene[1,3,5-]	0.3	1	0.3	U		
Vinyl acetate	0.68	2	0.68	U		
Vinyl Chloride	0.3	1	0.3	U		
Xylene[1,2-]	0.3	1	0.3	U		
Xylene[1,3-]+Xylene[1,4-]	0.3	1	0.3	U		
Trip Blank APR-22-2014						SW-846:8260

J = Reported value greater than the MDL and less than MRL.  
U = Analyte was not detected.