

Rocky Flats, Colorado, Site

**Surface Water Configuration
Adaptive Management Plan
Quarterly Report**

Second Quarter Calendar Year 2013

July 2013



U.S. DEPARTMENT OF
ENERGY

Legacy
Management

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**U.S. Department of Energy
Office of Legacy Management**

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Abbreviations

AMP	Adaptive Management Plan
CY	calendar year
DOE	U.S. Department of Energy
EA	<i>Rocky Flats Site, Colorado, Surface Water Configuration Environmental Assessment and Finding of No Significant Impact</i>
POC	Point of Compliance
RFSOG	<i>Rocky Flats Site Operations Guide</i>
Site	Rocky Flats Site

1.0 Introduction

The Proposed Action assessed in the *Rocky Flats Site, Colorado, Surface Water Configuration Environmental Assessment and Finding of No Significant Impact* (EA) is to breach the remaining retention pond dams at the Rocky Flats Site (the Site) to allow surface water flow to return to the approximate conditions that prevailed before the retention ponds were constructed. As stated in the EA, based on extensive water quality monitoring data and thorough environmental review, the U.S. Department of Energy (DOE) Office of Legacy Management has determined that the Proposed Action does not present a significant impact on the environment under the National Environmental Policy Act evaluation criteria.

Some members of the public have commented that additional information must be collected prior to implementing the final steps of the Proposed Action to help reduce uncertainty as to whether completion of the Proposed Action will adversely impact the quality of water flowing from the Site and into downstream communities. In response to the requests, DOE initiated a cooperative effort with neighboring community representatives and other interested stakeholders to develop and implement an Adaptive Management Plan (AMP) to provide additional information. The AMP group is composed of these representatives and stakeholders. The resulting AMP reflects DOE's long-term commitment to implementing the activities that the AMP describes.

The AMP provides for a monitoring and data evaluation program to assist DOE in deciding whether to implement the final steps of the Proposed Action by breaching the terminal dams during the planned time frame of 2018–2020, or to delay the completion of the Proposed Action to gather additional information for evaluation. The terminal dams will be operated in a flow-through condition during the period leading up to the completion of the Proposed Action, which will provide data similar to what can be expected post-breach. In addition to the AMP monitoring program, this AMP identifies certain performance indicators that DOE will consider in deciding whether to adjust the time frame for completing the Proposed Action.

This AMP Quarterly Report for the second quarter of calendar year (CY) 2013 is provided according to Section 5.0, "Reporting," in the AMP. Section 3.0 provides the first quarter data summary tables, which include all validated analytical data available as of June 30, 2013. Subsequent AMP reports will include data that were not tabulated in previous AMP reports.

AMP monitoring objectives, locations, and sampling criteria are itemized in Table 2 of the AMP. Additional field implementation for the AMP monitoring objectives can be found in the *Rocky Flats Site Operations Guide* (RFSOG) and RFSOG Attachment F4, "Non-RFLMA Monitoring." Analytical data for the following AMP monitoring objectives are included in this report:

- Pre-discharge sampling (Item 1, AMP Table 2)
- Targeted groundwater monitoring (Item 2, AMP Table 2)
- Monitoring to evaluate flow-through operations at Terminal Ponds A-4, B-5, and C-2 (Item 4, AMP Table 2)
- Storm-event monitoring (Item 5, AMP Table 2)
- Continuous flow-paced composite sampling to evaluate uranium transport (Item 6, AMP Table 2)

- Grab sampling for uranium in North and South Walnut Creeks (Item 7, AMP Table 2)
- Grab sampling for nitrate + nitrite as N in Walnut Creek (Item 8, AMP Table 2)

2.0 AMP Highlights: Second Quarter CY 2013

- The AMP 2-year review process provided for by AMP Section 6.0, “Administrative Provisions for AMP Modifications” was completed during the second quarter. As a result of the review, AMP Revision 1, dated May 2013, was issued and posted to the Rocky Flats public website on May 15, 2013. Four informal e-mails were transmitted to AMP participants that provided notification of Geospatial Environmental Mapping System postings of validated analytical results for the downstream-most points of compliance (POCs).
- Eight informal e-mails were transmitted to AMP participants that provided notification that composite samples from downstream-most POCs have been retrieved from the field (GS01—Woman Creek at Indiana Street and GS03—Walnut Creek at Indiana Street).
- During the quarter, 63 samples were collected in support of AMP monitoring objectives.

3.0 Analytical Data: Second Quarter CY 2013

Table 1, “Analytical Results for Water Samples,” is available at the end of this report.

Table 2, “Water Sampling Events: Second Quarter CY 2013,” is available at the end of this report.

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
A1EFF	SL	2/28/2013	13035173	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	42000	mg/L	(blank)	F	95		R	G	STD
A1EFF	SL	2/28/2013	13035173	07440-61-1	Uranium	N001	64	ug/L	(blank)	F	0.05		valid	G	STD
A1EFF	SL	3/14/2013	13035203	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	21	mg/L	(blank)	F	0.19		valid	G	STD
A1EFF	SL	3/14/2013	13035203	07440-61-1	Uranium	N001	20	ug/L	(blank)	F	0.05		valid	G	STD
A1EFF	SL	3/27/2013	13045224	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	16	mg/L	(blank)	F	0.095		valid	G	STD
A1EFF	SL	3/27/2013	13045224	07440-61-1	Uranium	N001	17	ug/L	B	F	0.05		valid	G	STD
A1EFF	SL	4/11/2013	13045275	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	22	mg/L	(blank)	F	0.19		valid	G	STD
A1EFF	SL	4/11/2013	13045275	07440-61-1	Uranium	N001	21	ug/L	(blank)	F	0.05		valid	G	STD
A1EFF	SL	5/9/2013	13055339	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	9.9	mg/L	(blank)	F	0.019		valid	G	STD
A1EFF	SL	5/9/2013	13055339	07440-61-1	Uranium	N001	4.9	ug/L	(blank)	F	0.05		J	G	STD
A1EFF	SL	5/22/2013	13055375	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	7.5	mg/L	(blank)	F	0.019		valid	G	STD
A1EFF	SL	5/22/2013	13055375	07440-61-1	Uranium	N001	8	ug/L	(blank)	F	0.05		valid	G	STD
A2EFF	SL	3/14/2013	13035203	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	26	mg/L	(blank)	F	0.19		valid	G	STD
A2EFF	SL	3/14/2013	13035203	07440-61-1	Uranium	N001	25	ug/L	(blank)	F	0.05		valid	G	STD
A2EFF	SL	3/27/2013	13045224	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	21	mg/L	(blank)	F	0.095		valid	G	STD
A2EFF	SL	3/27/2013	13045224	07440-61-1	Uranium	N001	27	ug/L	B	F	0.05		valid	G	STD
A2EFF	SL	4/11/2013	13045275	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	25	mg/L	(blank)	F	0.19		valid	G	STD
A2EFF	SL	4/11/2013	13045275	07440-61-1	Uranium	N001	31	ug/L	(blank)	F	0.05		valid	G	STD
A2EFF	SL	5/9/2013	13055339	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	9.4	mg/L	(blank)	F	0.019		valid	G	STD
A2EFF	SL	5/9/2013	13055339	07440-61-1	Uranium	N001	7.1	ug/L	(blank)	F	0.05		valid	G	STD
A2EFF	SL	5/22/2013	13055375	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	4.4	mg/L	(blank)	F	0.019		valid	G	STD
A2EFF	SL	5/22/2013	13055375	07440-61-1	Uranium	N001	12	ug/L	(blank)	F	0.05		valid	G	STD
A3EFF	SL	3/14/2013	13035203	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	26	mg/L	(blank)	F	0.19		valid	G	STD
A3EFF	SL	3/14/2013	13035203	07440-61-1	Uranium	N001	26	ug/L	(blank)	F	0.05		valid	G	STD
A3EFF	SL	3/27/2013	13045224	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	25	mg/L	(blank)	F	0.095		valid	G	STD
A3EFF	SL	3/27/2013	13045224	07440-61-1	Uranium	N001	32	ug/L	B	F	0.05		valid	G	STD
A3EFF	SL	4/11/2013	13045275	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	17	mg/L	(blank)	F	0.19		valid	G	STD
A3EFF	SL	4/11/2013	13045275	07440-61-1	Uranium	N001	19	ug/L	(blank)	F	0.05		valid	G	STD
A3EFF	SL	5/9/2013	13055339	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	8	mg/L	(blank)	F	0.019		valid	G	STD
A3EFF	SL	5/9/2013	13055339	07440-61-1	Uranium	N001	8.8	ug/L	(blank)	F	0.05		valid	G	STD
A3EFF	SL	5/22/2013	13055375	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	0.95	mg/L	(blank)	F	0.019		valid	G	STD
A3EFF	SL	5/22/2013	13055375	07440-61-1	Uranium	N001	13	ug/L	(blank)	F	0.05		valid	G	STD
A4 POND	SL	2/28/2013	13035173	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	26000	mg/L	(blank)	F	95		R	G	STD
A4 POND	SL	2/28/2013	13035173	07440-61-1	Uranium	N001	6.5	ug/L	(blank)	F	0.05		valid	G	STD
A4 POND	SL	3/14/2013	13035203	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	2.1	mg/L	(blank)	F	0.019		valid	G	STD
A4 POND	SL	3/14/2013	13035203	07440-61-1	Uranium	N001	13	ug/L	(blank)	F	0.05		valid	G	STD
A4 POND	SL	3/27/2013	13045224	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	1.3	mg/L	(blank)	F	0.019		valid	G	STD
A4 POND	SL	3/27/2013	13045224	07440-61-1	Uranium	N001	45	ug/L	B	F	0.05		valid	G	STD
A4 POND	SL	4/11/2013	13045275	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	1.7	mg/L	(blank)	F	0.019		valid	G	STD
A4 POND	SL	4/11/2013	13045275	07440-61-1	Uranium	N001	17	ug/L	(blank)	F	0.05		valid	G	STD
A4 POND	SL	5/9/2013	13055339	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	6.7	mg/L	(blank)	F	0.019		valid	G	STD
A4 POND	SL	5/9/2013	13055339	07440-61-1	Uranium	N001	10	ug/L	(blank)	F	0.05		valid	G	STD
A4 POND	SL	5/22/2013	13055375	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	4.7	mg/L	(blank)	F	0.019		valid	G	STD
A4 POND	SL	5/22/2013	13055375	07440-61-1	Uranium	N001	10	ug/L	(blank)	F	0.05		valid	G	STD
B3OUTFLOW	SL	2/28/2013	13035173	07440-61-1	Uranium	N001	24	ug/L	(blank)	F	0.05		valid	G	STD
B3OUTFLOW	SL	3/14/2013	13035203	07440-61-1	Uranium	N001	22	ug/L	(blank)	F	0.05		valid	G	STD
B3OUTFLOW	SL	3/27/2013	13045224	07440-61-1	Uranium	N001	23	ug/L	B	F	0.05		valid	G	STD
B3OUTFLOW	SL	4/11/2013	13045275	07440-61-1	Uranium	N001	21	ug/L	(blank)	F	0.05		valid	G	STD
B3OUTFLOW	SL	5/9/2013	13055339	07440-61-1	Uranium	N001	16	ug/L	(blank)	F	0.05		valid	G	STD
B3OUTFLOW	SL	5/22/2013	13055375	07440-61-1	Uranium	N001	16	ug/L	(blank)	F	0.05		valid	G	STD
B5 POND	SL	2/28/2013	13035173	07440-61-1	Uranium	N001	2.9	ug/L	(blank)	F	0.05		valid	G	STD
B5 POND	SL	3/14/2013	13035203	07440-61-1	Uranium	N001	11	ug/L	(blank)	F	0.05		valid	G	STD
B5 POND	SL	3/27/2013	13045224	07440-61-1	Uranium	N001	12	ug/L	B	F	0.05		valid	G	STD
B5 POND	SL	4/11/2013	13045275	07440-61-1	Uranium	N001	12	ug/L	(blank)	F	0.05		valid	G	STD
B5 POND	SL	5/9/2013	13055339	07440-61-1	Uranium	N001	15	ug/L	(blank)	F	0.05		valid	G	STD
B5 POND	SL	5/22/2013	13055375	07440-61-1	Uranium	N001	15	ug/L	(blank)	F	0.05		valid	G	STD
B5INFLOW	SL	5/21/2012	13035199	07440-61-1	Uranium	N002	20.5	ug/L	(blank)	F	0.067		J	C	GEN
B5INFLOW	SL	3/14/2013	13035203	07440-61-1	Uranium	N001	9.4	ug/L	(blank)	F	0.05		valid	G	STD
B5INFLOW	SL	3/14/2013	13045228	07440-61-1	Uranium	N002	27.7	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	3/27/2013	13045224	07440-61-1	Uranium	N001	29	ug/L	B	F	0.05		valid	G	STD
B5INFLOW	SL	4/1/2013	13045286	07440-61-1	Uranium	N001	27.6	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	4/11/2013	13045275	07440-61-1	Uranium	N001	25	ug/L	(blank)	F	0.05		valid	G	STD
B5INFLOW	SL	4/21/2013	13055303	07440-61-1	Uranium	N001	17.8	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	4/29/2013	13055342	07440-61-1	Uranium	N001	17.9	ug/L	(blank)	F	0.067		valid	C	GEN

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
B5INFLOW	SL	5/3/2013	13055342	07440-61-1	Uranium	N001	19.4	ug/L	(blank)	F	0.067		valid	C	GEN
B5INFLOW	SL	5/9/2013	13055339	07440-61-1	Uranium	N001	16	ug/L	(blank)	F	0.05		valid	G	STD
B5INFLOW	SL	5/22/2013	13055375	07440-61-1	Uranium	N001	18	ug/L	(blank)	F	0.05		valid	G	STD
GS01	SL	2/20/2013	13035201	AM-241	Americium-241	N001	0.0091	pCi/L	U	F	0.0244	0.0119	valid	C	GEN
GS01	SL	2/20/2013	13035201	PU-239,240	Plutonium-239, 240	N001	0.0112	pCi/L	U	F	0.0146	0.00811	valid	C	GEN
GS01	SL	2/20/2013	13035201	07440-61-1	Uranium	N001	5.45	ug/L	(blank)	F	0.067		valid	C	GEN
GS01	SL	3/14/2013	13045226	AM-241	Americium-241	N001	0.0123	pCi/L	U	F	0.0184	0.00897	valid	C	GEN
GS01	SL	3/14/2013	13045226	AM-241	Americium-241	N002	0.028	pCi/L	(blank)	D	0.0188	0.0147	J	C	GEN
GS01	SL	3/14/2013	13045226	PU-239,240	Plutonium-239, 240	N001	0.00698	pCi/L	U	F	0.0138	0.00914	valid	C	GEN
GS01	SL	3/14/2013	13045226	PU-239,240	Plutonium-239, 240	N002	0.00506	pCi/L	U	D	0.015	0.00609	valid	C	GEN
GS01	SL	3/14/2013	13045226	07440-61-1	Uranium	N001	4.35	ug/L	*	F	0.067		valid	C	GEN
GS01	SL	3/14/2013	13045226	07440-61-1	Uranium	N002	4.41	ug/L	*	D	0.067		valid	C	GEN
GS01	SL	3/26/2013	13045226	AM-241	Americium-241	N001	0.00546	pCi/L	U	F	0.0183	0.00847	valid	C	GEN
GS01	SL	3/26/2013	13045226	PU-239,240	Plutonium-239, 240	N001	-0.00245	pCi/L	U	F	0.0145	0.00681	valid	C	GEN
GS01	SL	3/26/2013	13045226	07440-61-1	Uranium	N001	4.35	ug/L	*	F	0.067		valid	C	GEN
GS01	SL	4/1/2013	13045285	AM-241	Americium-241	N001	-0.00247	pCi/L	U	F	0.0182	0.00484	valid	C	GEN
GS01	SL	4/1/2013	13045285	PU-239,240	Plutonium-239, 240	N001	0.00675	pCi/L	U	F	0.0186	0.0103	valid	C	GEN
GS01	SL	4/1/2013	13045285	07440-61-1	Uranium	N001	3.76	ug/L	(blank)	F	0.067		valid	C	GEN
GS01	SL	4/20/2013	13055302	AM-241	Americium-241	N001	-0.0038	pCi/L	U	F	0.0563	0.0129	valid	C	GEN
GS01	SL	4/20/2013	13055302	PU-239,240	Plutonium-239, 240	N001	0.00575	pCi/L	U	F	0.0198	0.00978	valid	C	GEN
GS01	SL	4/20/2013	13055302	07440-61-1	Uranium	N001	1.87	ug/L	(blank)	F	0.067		valid	C	GEN
GS01	SL	4/29/2013	13055327	AM-241	Americium-241	N001	0.00363	pCi/L	U	F	0.0179	0.0103	valid	C	GEN
GS01	SL	4/29/2013	13055327	PU-239,240	Plutonium-239, 240	N001	0.00406	pCi/L	U	F	0.0186	0.0103	valid	C	GEN
GS01	SL	4/29/2013	13055327	07440-61-1	Uranium	N001	1.96	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	1/15/2013	13055302	AM-241	Americium-241	N001	0.00752	pCi/L	U	F	0.037	0.011	valid	C	GEN
GS03	SL	1/15/2013	13055302	PU-239,240	Plutonium-239, 240	N001	0.00599	pCi/L	U	F	0.0206	0.0131	valid	C	GEN
GS03	SL	1/15/2013	13055302	07440-61-1	Uranium	N001	10.4	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	4/21/2013	13045276	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	5.2	mg/L	(blank)	F	0.019		valid	G	STD
GS03	SL	4/21/2013	13045283	TSS	Total Suspended Solids	N002	7	mg/L	J	F	2.8		valid	C	STD
GS03	SL	4/21/2013	13055302	AM-241	Americium-241	N003	0.00923	pCi/L	U	F	0.0682	0.0181	valid	C	GEN
GS03	SL	4/21/2013	13055302	PU-239,240	Plutonium-239, 240	N003	0.012	pCi/L	U	F	0.0206	0.011	valid	C	GEN
GS03	SL	4/21/2013	13055302	07440-61-1	Uranium	N003	9.36	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	4/25/2013	13055302	AM-241	Americium-241	N001	-0.00283	pCi/L	U	F	0.0418	0.0096	valid	C	GEN
GS03	SL	4/25/2013	13055302	PU-239,240	Plutonium-239, 240	N001	0.00855	pCi/L	U	F	0.0235	0.0111	valid	C	GEN
GS03	SL	4/25/2013	13055302	07440-61-1	Uranium	N001	9.37	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	4/29/2013	13055327	AM-241	Americium-241	N001	-0.00199	pCi/L	U	F	0.0294	0.00872	valid	C	GEN
GS03	SL	4/29/2013	13055327	PU-239,240	Plutonium-239, 240	N001	0.0116	pCi/L	U	F	0.0177	0.00841	valid	C	GEN
GS03	SL	4/29/2013	13055327	07440-61-1	Uranium	N001	7.18	ug/L	(blank)	F	0.067		valid	C	GEN
GS03	SL	5/3/2013	13055327	AM-241	Americium-241	N001	0.0124	pCi/L	U	F	0.023	0.00968	valid	C	GEN
GS03	SL	5/3/2013	13055327	PU-239,240	Plutonium-239, 240	N001	-0.00125	pCi/L	U	F	0.0172	0.00881	valid	C	GEN
GS03	SL	5/3/2013	13055327	07440-61-1	Uranium	N001	7.74	ug/L	(blank)	F	0.067		valid	C	GEN
GS08	SL	4/25/2013	13055342	AM-241	Americium-241	N001	0.0103	pCi/L	U	F	0.0254	0.0135	valid	C	GEN
GS08	SL	4/25/2013	13055342	PU-239,240	Plutonium-239, 240	N001	0.00409	pCi/L	U	F	0.0282	0.0127	valid	C	GEN
GS08	SL	4/25/2013	13055342	07440-61-1	Uranium	N001	16.4	ug/L	(blank)	F	0.067		valid	C	GEN
GS10	SL	2/28/2013	13035173	07440-61-1	Uranium	N001	16	ug/L	(blank)	F	0.05		valid	G	STD
GS10	SL	3/4/2013	13045226	07440-61-1	Uranium	N001	39.5	ug/L	*	F	0.067		valid	C	GEN
GS10	SL	3/14/2013	13035203	07440-61-1	Uranium	N001	22	ug/L	(blank)	F	0.05		valid	G	STD
GS10	SL	3/27/2013	13045224	07440-61-1	Uranium	N001	29	ug/L	B	F	0.05		valid	G	STD
GS10	SL	4/1/2013	13045285	07440-61-1	Uranium	N001	28.8	ug/L	(blank)	F	0.067		valid	C	GEN
GS10	SL	4/11/2013	13045275	07440-61-1	Uranium	N001	28	ug/L	(blank)	F	0.05		valid	G	STD
GS10	SL	4/20/2013	13045283	TSS	Total Suspended Solids	N001	5	mg/L	J	F	2.8		valid	C	STD
GS10	SL	4/20/2013	13055302	07440-61-1	Uranium	N002	27.2	ug/L	(blank)	F	0.067		valid	C	GEN
GS10	SL	4/22/2013	13045283	TSS	Total Suspended Solids	N001	2.8	mg/L	U	F	2.8		valid	C	STD
GS10	SL	4/22/2013	13055327	07440-61-1	Uranium	N002	23.4	ug/L	(blank)	F	0.067		valid	C	GEN
GS10	SL	4/24/2013	13055327	07440-61-1	Uranium	N001	26.3	ug/L	(blank)	F	0.067		valid	C	GEN
GS10	SL	4/29/2013	13055327	07440-61-1	Uranium	N001	36.5	ug/L	(blank)	F	0.067		valid	C	GEN
GS10	SL	5/3/2013	13055327	07440-61-1	Uranium	N001	34.2	ug/L	(blank)	F	0.067		valid	C	GEN
GS10	SL	5/9/2013	13055339	07440-61-1	Uranium	N001	17	ug/L	(blank)	F	0.05		valid	G	STD
GS10	SL	5/22/2013	13055375	07440-61-1	Uranium	N001	17	ug/L	(blank)	F	0.05		valid	G	STD
GS11	SL	4/13/2012	13045286	AM-241	Americium-241	N001	6.11E-10	pCi/L	U	F	0.0271	0.0088	valid	C	GEN
GS11	SL	4/13/2012	13045286	PU-239,240	Plutonium-239, 240	N001	0.00391	pCi/L	U	F	0.0179	0.00767	valid	C	GEN
GS11	SL	4/13/2012	13045286	07440-61-1	Uranium	N001	17.5	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	4/21/2013	13045275	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	7.1	mg/L	(blank)	F	0.019		valid	G	STD
GS11	SL	4/21/2013	13055303	AM-241	Americium-241	N002	0.0109	pCi/L	U	F	0.0402	0.0131	valid	C	GEN
GS11	SL	4/21/2013	13055303	PU-239,240	Plutonium-239, 240	N002	0.00609	pCi/L	U	F	0.0279	0.0132	valid	C	GEN
GS11	SL	4/21/2013	13055303	07440-61-1	Uranium	N002	13.3	ug/L	(blank)	F	0.067		valid	C	GEN

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
GS11	SL	4/29/2013	13055342	AM-241	Americium-241	N001	0.00152	pCi/L	U	F	0.0225	0.0116	valid	C	GEN
GS11	SL	4/29/2013	13055342	PU-239,240	Plutonium-239, 240	N001	-0.0019	pCi/L	U	F	0.0286	0.00835	valid	C	GEN
GS11	SL	4/29/2013	13055342	07440-61-1	Uranium	N001	13.6	ug/L	(blank)	F	0.067		valid	C	GEN
GS11	SL	5/7/2013	13055339	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	7	mg/L	(blank)	F	0.019		valid	G	STD
GS12	SL	1/16/2013	13045228	07440-61-1	Uranium	N001	27	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	1/16/2013	13045228	07440-61-1	Uranium	N002	29.4	ug/L	(blank)	D	0.067		valid	C	GEN
GS12	SL	3/27/2013	13045286	07440-61-1	Uranium	N001	11.7	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	4/19/2013	13045286	07440-61-1	Uranium	N001	8.89	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	4/21/2013	13045286	07440-61-1	Uranium	N001	9.46	ug/L	(blank)	F	0.067		valid	C	GEN
GS12	SL	4/25/2013	13055342	07440-61-1	Uranium	N001	10.2	ug/L	(blank)	F	0.067		valid	C	GEN
GS13	SL	1/16/2013	13035200	07440-61-1	Uranium	N001	31	ug/L	(blank)	F	0.067		valid	G	GEN
GS13	SL	2/28/2013	13035173	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	29000	mg/L	(blank)	F	95	R		G	STD
GS13	SL	2/28/2013	13035173	07440-61-1	Uranium	N001	53	ug/L	(blank)	F	0.05		valid	G	STD
GS13	SL	3/14/2013	13035203	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	39	mg/L	(blank)	F	0.19		valid	G	STD
GS13	SL	3/14/2013	13035203	07440-61-1	Uranium	N001	21	ug/L	(blank)	F	0.05		valid	G	STD
GS13	SL	3/14/2013	13045287	07440-61-1	Uranium	N002	4.77	ug/L	(blank)	F	0.067		valid	C	GEN
GS13	SL	3/27/2013	13045224	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	23	mg/L	(blank)	F	0.095		valid	G	STD
GS13	SL	3/27/2013	13045224	07440-61-1	Uranium	N001	20	ug/L	B	F	0.05		valid	G	STD
GS13	SL	4/11/2013	13045275	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	24	mg/L	(blank)	F	0.19		valid	G	STD
GS13	SL	4/11/2013	13045275	07440-61-1	Uranium	N001	19	ug/L	(blank)	F	0.05		valid	G	STD
GS13	SL	4/19/2013	13045287	07440-61-1	Uranium	N001	4.69	ug/L	(blank)	F	0.067		valid	C	GEN
GS13	SL	4/21/2013	13055304	07440-61-1	Uranium	N001	4.16	ug/L	(blank)	F	0.067		valid	C	GEN
GS13	SL	5/9/2013	13055339	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	12	mg/L	(blank)	F	0.095		valid	G	STD
GS13	SL	5/9/2013	13055339	07440-61-1	Uranium	N001	5.5	ug/L	(blank)	F	0.05		valid	G	STD
GS13	SL	5/9/2013	13055375	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N002	11	mg/L	H	F	0.095	J		G	STD
GS13	SL	5/22/2013	13055375	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	12	mg/L	(blank)	F	0.095		valid	G	STD
GS13	SL	5/22/2013	13055375	07440-61-1	Uranium	N001	8.2	ug/L	(blank)	F	0.05		valid	G	STD
GS31	SL	3/6/2013	13035199	AM-241	Americium-241	N001	-0.00381	pCi/L	U	F	0.0171	0.0103	valid	C	GEN
GS31	SL	3/6/2013	13035199	PU-239,240	Plutonium-239, 240	N001	0.0026	pCi/L	U	F	0.0154	0.00625	valid	C	GEN
GS31	SL	3/6/2013	13035199	07440-61-1	Uranium	N001	12.4	ug/L	(blank)	F	0.067		valid	C	GEN
GS31	SL	3/14/2013	13055303	AM-241	Americium-241	N001	-0.00177	pCi/L	U	F	0.0261	0.00916	valid	C	GEN
GS31	SL	3/14/2013	13055303	PU-239,240	Plutonium-239, 240	N001	0.00743	pCi/L	U	F	0.0146	0.00627	valid	C	GEN
GS31	SL	3/14/2013	13055303	07440-61-1	Uranium	N001	10.7	ug/L	(blank)	F	0.067		valid	C	GEN
SPOUT	SL	3/14/2013	13035203	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	400	mg/L	(blank)	F	1.9		valid	G	STD
SPOUT	SL	3/14/2013	13035203	07440-61-1	Uranium	N001	43	ug/L	(blank)	F	0.05		valid	G	STD
SPOUT	TS	2/28/2013	13035173	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	3000	mg/L	(blank)	F	38	R		G	STD
SPOUT	TS	2/28/2013	13035173	07440-61-1	Uranium	N001	41	ug/L	(blank)	F	0.05		valid	G	STD
SPOUT	TS	3/27/2013	13045224	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	440	mg/L	(blank)	F	1.9		valid	G	STD
SPOUT	TS	3/27/2013	13045224	07440-61-1	Uranium	N001	44	ug/L	B	F	0.05		valid	G	STD
SPOUT	TS	4/11/2013	13045275	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	450	mg/L	(blank)	F	1.9		valid	G	STD
SPOUT	TS	4/11/2013	13045275	07440-61-1	Uranium	N001	40	ug/L	(blank)	F	0.05		valid	G	STD
SPOUT	TS	5/9/2013	13055339	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	450	mg/L	(blank)	F	0.95		valid	G	STD
SPOUT	TS	5/9/2013	13055339	07440-61-1	Uranium	N001	38	ug/L	(blank)	F	0.05		valid	G	STD
SPOUT	TS	5/22/2013	13055375	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	440	mg/L	(blank)	F	0.95		valid	G	STD
SPOUT	TS	5/22/2013	13055375	07440-61-1	Uranium	N001	37	ug/L	(blank)	F	0.05		valid	G	STD
SW093	SL	2/5/2013	13035200	07440-61-1	Uranium	N001	5.9	ug/L	(blank)	F	0.067		valid	G	GEN
SW093	SL	2/28/2013	13035173	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	31000	mg/L	(blank)	F	95	R		G	STD
SW093	SL	2/28/2013	13035173	07440-61-1	Uranium	N001	12	ug/L	(blank)	F	0.05		valid	G	STD
SW093	SL	3/14/2013	13045287	07440-61-1	Uranium	N002	7.28	ug/L	(blank)	F	0.067		valid	C	GEN
SW093	SL	3/27/2013	13045224	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	0.34	mg/L	(blank)	F	0.019		valid	G	STD
SW093	SL	3/27/2013	13045224	07440-61-1	Uranium	N001	3.6	ug/L	B	F	0.05		valid	G	STD
SW093	SL	4/6/2013	13045287	07440-61-1	Uranium	N001	7.22	ug/L	(blank)	F	0.067		valid	C	GEN
SW093	SL	4/11/2013	13045275	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	0.69	mg/L	(blank)	F	0.019		valid	G	STD
SW093	SL	4/11/2013	13045275	07440-61-1	Uranium	N001	4	ug/L	(blank)	F	0.05		valid	G	STD
SW093	SL	4/19/2013	13045276	TSS	Total Suspended Solids	N001	4.8	mg/L	(blank)	F	1.1		valid	G	STD
SW093	SL	4/19/2013	13045287	07440-61-1	Uranium	N002	3.14	ug/L	(blank)	F	0.067		valid	C	GEN
SW093	SL	4/21/2013	13045283	TSS	Total Suspended Solids	N001	6	mg/L	J	F	2.8		valid	C	STD
SW093	SL	4/21/2013	13055304	07440-61-1	Uranium	N002	4.94	ug/L	(blank)	F	0.067		valid	C	GEN
SW093	SL	4/24/2013	13055304	07440-61-1	Uranium	N001	2.93	ug/L	(blank)	F	0.067		valid	C	GEN
SW093	SL	5/9/2013	13055339	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	5.6	mg/L	(blank)	F	0.095		valid	G	STD
SW093	SL	5/9/2013	13055339	07440-61-1	Uranium	N001	4	ug/L	(blank)	F	0.05		valid	G	STD
SW093	SL	5/22/2013	13055375	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	0.67	mg/L	(blank)	F	0.019		valid	G	STD
SW093	SL	5/22/2013	13055375	07440-61-1	Uranium	N001	3.5	ug/L	(blank)	F	0.05		valid	G	STD
WALPOC	SL	4/21/2013	13045276	NO3+NO2 AS N	Nitrate + Nitrite as Nitrogen	N001	0.68	mg/L	(blank)	F	0.019		valid	G	STD
WALPOC	SL	4/21/2013	13055302	AM-241	Americium-241	N002	0.0104	pCi/L	U	F	0.0386	0.0145	valid	C	GEN
WALPOC	SL	4/21/2013	13055302	PU-239,240	Plutonium-239, 240	N002	0.00722	pCi/L	U	F	0.0248	0.0123	valid	C	GEN

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCERTAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
WALPOC	SL	4/21/2013	13055302	07440-61-1	Uranium	N002	12.8	ug/L	(blank)	F	0.067		valid	C	GEN
WALPOC	SL	4/29/2013	13055327	AM-241	Americium-241	N001	0.00144	pCi/L	U	F	0.0212	0.00934	valid	C	GEN
WALPOC	SL	4/29/2013	13055327	PU-239,240	Plutonium-239, 240	N001	0.0116	pCi/L	U	F	0.016	0.00916	valid	C	GEN
WALPOC	SL	4/29/2013	13055327	07440-61-1	Uranium	N001	11.5	ug/L	(blank)	F	0.067		valid	C	GEN
WALPOC	SL	5/3/2013	13055327	AM-241	Americium-241	N001	9.15E-10	pCi/L	U	F	0.0271	0.0102	valid	C	GEN
WALPOC	SL	5/3/2013	13055327	PU-239,240	Plutonium-239, 240	N001	0.00453	pCi/L	U	F	0.0156	0.00703	valid	C	GEN
WALPOC	SL	5/3/2013	13055327	07440-61-1	Uranium	N001	11.3	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	2/20/2013	13035201	AM-241	Americium-241	N001	0.00252	pCi/L	U	F	0.0169	0.00605	valid	C	GEN
WOMPOC	SL	2/20/2013	13035201	PU-239,240	Plutonium-239, 240	N001	0.00849	pCi/L	U	F	0.0143	0.0086	valid	C	GEN
WOMPOC	SL	2/20/2013	13035201	07440-61-1	Uranium	N001	3.29	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	3/6/2013	13035201	AM-241	Americium-241	N001	0.00137	pCi/L	U	F	0.0184	0.00712	valid	C	GEN
WOMPOC	SL	3/6/2013	13035201	PU-239,240	Plutonium-239, 240	N001	0.00257	pCi/L	U	F	0.0152	0.00872	valid	C	GEN
WOMPOC	SL	3/6/2013	13035201	07440-61-1	Uranium	N001	3.29	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	3/14/2013	13045226	AM-241	Americium-241	N001	-0.003	pCi/L	U	F	0.0202	0.00721	valid	C	GEN
WOMPOC	SL	3/14/2013	13045226	AM-241	Americium-241	N002	0.00315	pCi/L	U	D	0.0212	0.00977	valid	C	GEN
WOMPOC	SL	3/14/2013	13045226	PU-239,240	Plutonium-239, 240	N001	0.00297	pCi/L	U	F	0.0175	0.00583	valid	C	GEN
WOMPOC	SL	3/14/2013	13045226	PU-239,240	Plutonium-239, 240	N002	0.00893	pCi/L	U	D	0.0176	0.00828	valid	C	GEN
WOMPOC	SL	3/14/2013	13045226	07440-61-1	Uranium	N001	3.39	ug/L	*	F	0.067		valid	C	GEN
WOMPOC	SL	3/14/2013	13045226	07440-61-1	Uranium	N002	3.51	ug/L	*	D	0.067		valid	C	GEN
WOMPOC	SL	3/26/2013	13045226	AM-241	Americium-241	N001	0.00288	pCi/L	U	F	0.0193	0.00565	valid	C	GEN
WOMPOC	SL	3/26/2013	13045226	PU-239,240	Plutonium-239, 240	N001	0.00142	pCi/L	U	F	0.0168	0.00834	valid	C	GEN
WOMPOC	SL	3/26/2013	13045226	07440-61-1	Uranium	N001	2.89	ug/L	*	F	0.067		valid	C	GEN
WOMPOC	SL	4/1/2013	13045285	AM-241	Americium-241	N001	0.00487	pCi/L	U	F	0.018	0.00756	valid	C	GEN
WOMPOC	SL	4/1/2013	13045285	AM-241	Americium-241	N002	0.0127	pCi/L	U	D	0.0209	0.01	valid	C	GEN
WOMPOC	SL	4/1/2013	13045285	PU-239,240	Plutonium-239, 240	N001	0.0041	pCi/L	U	F	0.0141	0.00568	valid	C	GEN
WOMPOC	SL	4/1/2013	13045285	PU-239,240	Plutonium-239, 240	N002	0.00332	pCi/L	U	D	0.0152	0.00995	valid	C	GEN
WOMPOC	SL	4/1/2013	13045285	07440-61-1	Uranium	N001	2.78	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	4/1/2013	13045285	07440-61-1	Uranium	N002	2.89	ug/L	(blank)	D	0.067		valid	C	GEN
WOMPOC	SL	4/20/2013	13055302	AM-241	Americium-241	N001	0.0018	pCi/L	U	F	0.0267	0.0106	valid	C	GEN
WOMPOC	SL	4/20/2013	13055302	PU-239,240	Plutonium-239, 240	N001	0.00118	pCi/L	U	F	0.0162	0.00692	valid	C	GEN
WOMPOC	SL	4/20/2013	13055302	07440-61-1	Uranium	N001	1	ug/L	(blank)	F	0.067		valid	C	GEN
WOMPOC	SL	4/29/2013	13055327	AM-241	Americium-241	N001	-0.00189	pCi/L	U	F	0.0279	0.00979	valid	C	GEN
WOMPOC	SL	4/29/2013	13055327	PU-239,240	Plutonium-239, 240	N001	0.0118	pCi/L	U	F	0.0202	0.01	valid	C	GEN
WOMPOC	SL	4/29/2013	13055327	07440-61-1	Uranium	N001	1.15	ug/L	(blank)	F	0.067		valid	C	GEN

EXPLANATION

SAMPLE_ID

N00x = Sample was not filtered.
000x = Sample was filtered.

WATER_UNIT_OF_MEASURE

mg/L; ppm = milligrams per liter
pCi/L = picocuries per liter
ug/L = micrograms per liter
C = degrees celsius
mS/cm = milliSiemens per centimeter
NTU = normal turbidity units
s.u. = standard pH units
uS/cm = microSiemens per centimeter
umhos/cm = microSiemens per centimeter

SAMPLE_TYPE

F = Field Sample
D = Duplicate

LAB_QUALIFIERS

* Replicate analysis not within control limits.
+ Correlation coefficient for MSA < 0.995.
> Result above upper detection limit.
A TIC is a suspected aldol-condensation product.
B Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank.
C Pesticide result confirmed by GC-MS.
D Analyte determined in diluted sample.
E Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS.
H Holding time expired, value suspect.
I Increased detection limit due to required dilution.
J Estimated
M GFAA duplicate injection precision not met.
N Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC).
P > 25% difference in detected pesticide or Arochlors concentrations between 2 columns.
S Result determined by method of standard addition (MSA).
U Analytical result below detection limit.
W Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance.
X Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Y Laboratory defined (USEPA CLP organic) qualifier, see case narrative.
Z Laboratory defined (USEPA CLP organic) qualifier, see case narrative.

Table 1. Analytical Results for Water Samples

LOCATION CODE	LOCATION TYPE	DATE SAMPLED	LAB REQUISITION NUMBER	CAS	ANALYTE	SAMPLE ID	RESULT	UNITS	LAB QUALIFIERS	SAMPLE TYPE	DETECTION LIMIT	UNCER-TAINTY	DATA VALIDATION QUALIFIERS	COLLECTION METHOD	LAB CODE
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DATA_VALIDATION_QUALIFIERS

valid	Result is valid.														
F	Low flow sampling method used.														
G	Possible grout contamination, pH > 9.														
J	Estimated value.														
L	Less than 3 bore volumes purged prior to sampling.														
Q	Qualitative result due to sampling technique														
R	Unusable result.														
U	Parameter analyzed for but was not detected.														
X	Location is undefined.														
999	Validation not complete														

LOCATION_TYPE

SL	SURFACE LOCATION
TS	TREATMENT SYSTEM
WL	WELL

LAB_CODE

GEN	Gel Laboratories
STD	Test America

COLLECTION_METHOD

G	Grab
C	Composite

Table 2. Water Sampling Events: Second Quarter CY 2013

Location Code	Sampling Dates		Sample Info			Analytes						Sample Tracking Info	
	Start	End	Collection Method	Type	Filtered	VOC	D	Nitrate	Pu/Am	SVOC	TSS	Ticket	RIN #
GS11	4/13/2012 9:57	4/21/2013 12:15	composite	F	No		X		X			LFS 555	13045286
B5INFLOW	5/21/2012 12:17	3/14/2013 12:36	composite	F	No		X					LEX 731	13035199
GS03	1/15/2013 10:08	4/21/2013 13:06	composite	F	No		X		X			LGS 927	13055302
GS12	1/16/2013 8:52	3/27/2013 11:44	composite	D	No		X					LFZ 318	13045228
GS12	1/16/2013 8:52	3/27/2013 11:44	composite	F	No		X					LFZ 316	13045228
GS13	1/16/2013 9:14	3/14/2013 12:14	composite	F	No		X					LEX 734	13035200
SW093	2/5/2013 10:15	3/14/2013 11:55	composite	F	No		X					LEX 733	13035200
WOMPOC	2/20/2013 14:43	3/6/2013 12:42	composite	F	No		X		X			LEX 735	13035201
GS01	2/20/2013 15:01	3/14/2013 13:36	composite	F	No		X		X			LEX 736	13035201
SPOUT	2/28/2013 9:00	2/28/2013 9:00	grab	F	No		X	X				LEW 681	13035173
SW093	2/28/2013 9:10	2/28/2013 9:10	grab	F	No		X	X				LEW 682	13035173
GS13	2/28/2013 9:15	2/28/2013 9:15	grab	F	No		X	X				LEW 683	13035173
A1EFF	2/28/2013 9:25	2/28/2013 9:25	grab	F	No		X	X				LEW 684	13035173
A4 POND	2/28/2013 9:40	2/28/2013 9:40	grab	F	No		X	X				LEW 685	13035173
B5 POND	2/28/2013 9:50	2/28/2013 9:50	grab	F	No		X					LEW 686	13035173
B3OUTFLOW	2/28/2013 10:00	2/28/2013 10:00	grab	F	No		X					LEW 687	13035173
GS10	2/28/2013 10:15	2/28/2013 10:15	grab	F	No		X					LEW 699	13035173
GS10	3/4/2013 11:22	4/1/2013 10:35	composite	F	No		X					LFZ 304	13045226
GS31	3/6/2013 12:21	3/14/2013 13:23	composite	F	No		X		X			LEX 732	13035199
WOMPOC	3/6/2013 12:42	3/14/2013 13:11	composite	F	No		X		X			LEX 737	13035201
SPOUT	3/14/2013 10:10	3/14/2013 10:10	grab	F	No		X	X				LEX 747	13035203
GS13	3/14/2013 10:15	3/14/2013 10:15	grab	F	No		X	X				LEX 753	13035203
A1EFF	3/14/2013 10:20	3/14/2013 10:20	grab	F	No		X	X				LEX 751	13035203
A2EFF	3/14/2013 10:30	3/14/2013 10:30	grab	F	No		X	X				LEX 752	13035203
A3EFF	3/14/2013 10:45	3/14/2013 10:45	grab	F	No		X	X				LEX 754	13035203
A4 POND	3/14/2013 11:00	3/14/2013 11:00	grab	F	No		X	X				LEX 748	13035203
B5INFLOW	3/14/2013 11:05	3/14/2013 11:05	grab	F	No		X					LEX 756	13035203
B3OUTFLOW	3/14/2013 11:15	3/14/2013 11:15	grab	F	No		X					LEX 755	13035203
B5 POND	3/14/2013 11:20	3/14/2013 11:20	grab	F	No		X					LEX 750	13035203
GS10	3/14/2013 11:30	3/14/2013 11:30	grab	F	No		X					LEX 749	13035203
SW093	3/14/2013 11:55	4/6/2013 10:39	composite	F	No		X					LFS 574	13045287
GS13	3/14/2013 12:14	4/19/2013 13:18	composite	F	No		X					LFS 565	13045287
B5INFLOW	3/14/2013 12:36	4/1/2013 10:14	composite	F	No		X					LFZ 317	13045228
WOMPOC	3/14/2013 13:11	3/26/2013 12:17	composite	D	No		X		X			LFZ 306	13045226
WOMPOC	3/14/2013 13:11	3/26/2013 12:17	composite	F	No		X		X			LFZ 302	13045226
GS31	3/14/2013 13:23	4/29/2013 12:08	composite	F	No		X		X			LGS 932	13055303
GS01	3/14/2013 13:36	3/26/2013 12:26	composite	D	No		X		X			LFZ 308	13045226
GS01	3/14/2013 13:36	3/26/2013 12:26	composite	F	No		X		X			LFZ 307	13045226
WOMPOC	3/26/2013 12:17	4/1/2013 11:02	composite	F	No		X		X			LFZ 310	13045226
GS01	3/26/2013 12:26	4/1/2012 11:16	composite	F	No		X		X			LFZ 311	13045226
SPOUT	3/27/2013 9:00	3/27/2013 9:00	grab	F	No		X	X				LFZ 253	13045224
SW093	3/27/2013 9:05	3/27/2013 9:05	grab	F	No		X	X				LFZ 254	13045224
GS13	3/27/2013 9:10	3/27/2013 9:10	grab	F	No		X	X				LFZ 258	13045224
A1EFF	3/27/2013 9:15	3/27/2013 9:15	grab	F	No		X	X				LFZ 260	13045224
A2EFF	3/27/2013 9:20	3/27/2013 9:20	grab	F	No		X	X				LFZ 261	13045224
GS10	3/27/2013 9:45	3/27/2013 9:45	grab	F	No		X					LFZ 256	13045224
B3OUTFLOW	3/27/2013 10:05	3/27/2013 10:05	grab	F	No		X	X				LFZ 259	13045224
B5INFLOW	3/27/2013 10:15	3/27/2013 10:15	grab	F	No		X					LFZ 264	13045224
B5 POND	3/27/2013 10:30	3/27/2013 10:30	grab	F	No		X					LFZ 257	13045224

Table 2. Water Sampling Events: Second Quarter CY 2013

Location Code	Sampling Dates		Sample Info			Analytes						Sample Tracking Info	
	Start	End	Collection Method	Type	Filtered	VOC	D	Nitrate	Pu/Am	SVOC	TSS	Ticket	RIN #
A4 POND	3/27/2013 11:20	3/27/2013 11:20	grab	F	No		X	X				LFZ 255	13045224
A3EFF	3/27/2013 11:35	3/27/2013 11:35	grab	F	No		X	X				LFZ 262	13045224
GS12	3/27/2013 11:44	4/19/2013 12:17	composite	F	No		X					LFS 556	13045286
B5INFLOW	4/1/2013 10:14	4/21/2013 11:26	composite	F	No		X					LFS 558	13045286
GS10	4/1/2013 10:35	4/20/2013 18:54	composite	F	No		X					LFS 552	13045285
WOMPOC	4/1/2013 11:02	4/20/2013 18:26	composite	D	No				X			LFS 554	13045285
WOMPOC	4/1/2013 11:02	4/20/2013 18:26	composite	F	No		X					LFS 551	13045285
GS01	4/1/2013 11:16	4/20/2013 18:37	composite	F	No				X			LFS 550	13045285
SW093	4/6/2013 10:39	4/19/2013 13:41	composite	F	No		X					LFS 573	13045287
SPOUT	4/11/2013 9:00	4/11/2013 9:00	grab	F	No		X	X				LFS 225	13045275
SW093	4/11/2013 9:10	4/11/2013 9:10	grab	F	No		X	X				LFS 226	13045275
GS13	4/11/2013 9:25	4/11/2013 9:25	grab	F	No		X	X				LFS 230	13045275
A1EFF	4/11/2013 9:30	4/11/2013 9:30	grab	F	No		X	X				LFS 232	13045275
A2EFF	4/11/2013 9:40	4/11/2013 9:40	grab	F	No		X	X				LFS 233	13045275
A3EFF	4/11/2013 9:50	4/11/2013 9:50	grab	F	No		X	X				LFS 234	13045275
A4 POND	4/11/2013 10:00	4/11/2013 10:00	grab	F	No		X	X				LFS 227	13045275
B5 POND	4/11/2013 10:10	4/11/2013 10:10	grab	F	No		X					LFS 229	13045275
B5INFLOW	4/11/2013 10:15	4/11/2013 10:15	grab	F	No		X					LFS 236	13045275
GS10	4/11/2013 10:20	4/11/2013 10:20	grab	F	No		X					LFS 228	13045275
B3OUTFLOW	4/11/2013 10:30	4/11/2013 10:30	grab	F	No		X					LFS 231	13045275
GS12	4/19/2013 12:17	4/21/2013 11:42	composite	F	No		X					LFS 559	13045286
GS13	4/19/2013 13:18	4/21/2013 10:57	composite	F	No		X					LFS 570	13045287
SW093	4/19/2013 13:41	4/19/2013 13:41	grab	F	No						X	LFS 238	13045276
SW093	4/19/2013 13:41	4/21/2013 10:42	composite	F	No		X					LFS 564	13045287
WOMPOC	4/20/2013 18:26	4/29/2013 12:01	composite	F	No		X		X			LGS 924	13055302
GS01	4/20/2013 18:37	4/29/2013 11:44	composite	F	No		X		X			LGS 923	13055302
GS10	4/20/2013 18:54	4/24/2013 9:51	composite	F	No						X	LFS 531	13045283
GS10	4/20/2013 18:54	4/24/2013 9:51	composite	F	No		X					LGS 925	13055302
SW093	4/21/2013 10:42	4/24/2013 10:13	composite	F	No						X	LFS 532	13045283
SW093	4/21/2013 10:42	4/24/2013 10:13	composite	F	No		X					LGS 939	13055304
GS13	4/21/2013 10:57	4/25/2013 10:28	composite	F	No		X					LGS 940	13055304
B5INFLOW	4/21/2013 11:26	4/29/2013 13:08	composite	F	No		X					LGS 933	13055303
GS12	4/21/2013 11:42	4/25/2013 10:56	composite	F	No		X					LFS 560	13045286
WALPOC	4/21/2013 12:06	4/29/2013 12:46	composite	F	No		X		X			LGS 926	13055302
WALPOC	4/21/2013 12:10	4/21/2013 12:10	grab	F	No			X				LFS 239	13045276
GS11	4/21/2013 12:15	4/29/2013 12:57	composite	F	No		X		X			LGS 930	13055303
GS11	4/21/2013 12:20	4/21/2013 12:20	grab	F	No			X				LFS 237	13045275
GS03	4/21/2013 13:00	4/21/2013 13:00	grab	F	No			X				LFS 240	13045276
GS03	4/21/2013 13:06	4/25/2013 14:10	composite	F	No						X	LFS 528	13045283
GS03	4/21/2013 13:06	4/25/2013 14:10	composite	F	No		X		X			LGS 928	13055302
GS10	4/22/2013 11:07	4/25/2013 20:07	composite	F	No						X	LFS 527	13045283
GS10	4/22/2013 11:07	4/25/2013 20:07	composite	F	No		X					LGT 313	13055327
GS10	4/24/2013 9:51	4/29/2013 12:21	composite	F	No		X					LGT 304	13055327
SW093	4/24/2013 10:13	4/29/2013 13:20	composite	F	No		X					LGS 945	13055304
GS12	4/25/2013 10:56	5/3/2013 11:29	composite	F	No		X					LGU 639	13055342
GS08	4/25/2013 11:34	5/7/2013 12:30	composite	F	No		X		X			LGU 641	13055342
GS03	4/25/2013 14:10	4/29/2013 11:23	composite	F	No		X		X			LGS 929	13055302
GS03	4/29/2013 11:23	5/3/2013 13:10	composite	F	No		X		X			LGT 306	13055327
GS01	4/29/2013 11:44	5/7/2013 13:09	composite	F	No		X		X			LGT 302	13055327
WOMPOC	4/29/2013 12:01	5/7/2013 12:57	composite	F	No		X		X			LGT 303	13055327

Table 2. Water Sampling Events: Second Quarter CY 2013

Location Code	Sampling Dates		Sample Info			Analytes						Sample Tracking Info	
	Start	End	Collection Method	Type	Filtered	VOC	U	Nitrate	Pu/Am	SVOC	TSS	Ticket	RIN #
GS10	4/29/2013 12:21	5/3/2013 12:24	composite	F	No		X					LGT 309	13055327
WALPOC	4/29/2013 12:46	5/3/2013 11:50	composite	F	No		X		X			LGT 305	13055327
GS11	4/29/2013 12:57	5/7/2013 12:22	composite	F	No		X		X			LGU 638	13055342
B5INFLOW	4/29/2013 13:08	5/3/2013 12:07	composite	F	No		X					LGU 643	13055342
WALPOC	5/3/2013 11:50	5/7/2013 12:13	composite	F	No		X		X			LGT 310	13055327
B5INFLOW	5/3/2013 12:07	5/8/2013 9:28	composite	F	No		X					LGU 640	13055342
GS10	5/3/2013 12:24	5/8/2013 9:01	composite	F	No		X					LGT 311	13055327
GS03	5/3/2013 13:10	5/7/2013 14:20	composite	F	No		X		X			LGT 307	13055327
GS11	5/7/2013 12:15	5/7/2013 12:15	grab	F	No			X				LGU 664	13055339
SPOUT	5/9/2013 8:00	5/9/2013 8:00	grab	F	No		X	X				LGU 625	13055339
SW093	5/9/2013 8:05	5/9/2013 8:05	grab	F	No		X	X				LGU 613	13055339
GS13	5/9/2013 8:10	5/9/2013 8:10	grab	F	No		X					LGU 616	13055339
GS13	5/9/2013 8:10	5/9/2013 8:10	grab	F	No			X				LGU 616	13055339
GS13	5/9/2013 8:13	5/9/2013 8:13	grab	F	No			X				LGV 516	13055375
A1EFF	5/9/2013 8:15	5/9/2013 8:15	grab	F	No		X	X				LGU 618	13055339
A2EFF	5/9/2013 8:20	5/9/2013 8:20	grab	F	No		X	X				LGU 619	13055339
A3EFF	5/9/2013 8:40	5/9/2013 8:40	grab	F	No		X	X				LGU 620	13055339
A4 POND	5/9/2013 8:45	5/9/2013 8:45	grab	F	No		X	X				LGU 624	13055339
B5 POND	5/9/2013 8:50	5/9/2013 8:50	grab	F	No		X					LGU 615	13055339
B5INFLOW	5/9/2013 9:00	5/9/2013 9:00	grab	F	No		X					LGU 622	13055339
B3OUTFLOW	5/9/2013 9:10	5/9/2013 9:10	grab	F	No		X					LGU 617	13055339
GS10	5/9/2013 9:15	5/9/2013 9:15	grab	F	No		X					LGU 614	13055339
SPOUT	5/22/2013 8:00	5/22/2013 8:00	grab	F	No		X	X				LGV 513	13055375
SW093	5/22/2013 8:05	5/22/2013 8:05	grab	F	No		X	X				LGV 502	13055375
GS13	5/22/2013 8:10	5/22/2013 8:10	grab	F	No		X	X				LGV 505	13055375
A1EFF	5/22/2013 8:15	5/22/2013 8:15	grab	F	No		X	X				LGV 507	13055375
A2EFF	5/22/2013 8:20	5/22/2013 8:20	grab	F	No		X	X				LGV 508	13055375
A3EFF	5/22/2013 8:30	5/22/2013 8:30	grab	F	No		X	X				LGV 509	13055375
A4 POND	5/22/2013 8:40	5/22/2013 8:40	grab	F	No		X	X				LGV 512	13055375
B5 POND	5/22/2013 8:50	5/22/2013 8:50	grab	F	No		X					LGV 504	13055375
B5INFLOW	5/22/2013 9:00	5/22/2013 9:00	grab	F	No		X					LGV 511	13055375
B3OUTFLOW	5/22/2013 9:10	5/22/2013 9:10	grab	F	No		X					LGV 506	13055375
GS10	5/22/2013 9:15	5/22/2013 9:15	grab	F	No		X					LGV 503	13055375

EXPLANATION

Sample Info: Type

F = Field Sample
D = Duplicate

Analytes

VOC = volatile organic compounds
U = uranium
Nitrate = nitrate + nitrite as N
Pu/Am = plutonium-239,240 and americium-241
SVOC = semi-volatile organic compounds
TSS = total suspended solids

Sample Tracking Info: Ticket

- tracking identifier

Sample Tracking Info: RIN#

- lab requisition number

Sample Tracking Info: COC Date

- Chain of Custody date

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