

REDACTED



February 1, 2010

Ms. Carolyn Callihan
Remedial Project Manager
U.S. Environmental Protection Agency Region 4
Sam Nunn Atlanta Federal Center
61 Forsyth Street
Atlanta, Georgia 30303

**Subject: Quarterly Drinking Water Well Sampling Letter Report, Revision 1
 4th Quarter 2009
 Mills Gap (Assessment)
 Asheville, Buncombe County, North Carolina
 Contract No. EP-W-05-053
 Technical Direction Document (TDD) No.: TNA-05-003-0055**

Dear Ms. Callihan:

Oneida Total Integrated Enterprises (OTIE), Superfund Technical Assessment Response Team (START) has prepared this letter report detailing the quarterly drinking water well sampling activities conducted at the Mills Gap site (the site) in support of the U.S. Environmental Protection Agency (EPA). All activities and procedures described in this document were conducted in accordance with the EPA Region 4 Science and Ecosystems Support Division (SESD) *Field Branches Quality System and Technical Procedures* (FBQSTP) and the site-specific Quarterly Sampling Quality Assurance Project Plan/Site Sampling Plan (QAPP/SSP) approved on February 17, 2009.

START was tasked under EPA Contract Number (No.) EP-W-05-053, TDD No. TNA-05-003-0055 to conduct quarterly groundwater sampling of private drinking water wells located in the vicinity of the site in Asheville, Buncombe County, North Carolina (see Attachment A, Figure 1). START collected water samples from residential private wells where written access had been granted by the property owner to allow for well sampling. START was also tasked to document on-site conditions with written logbook notes and digital photographs; submit all samples collected to Contract Laboratory Program (CLP)

laboratories for drinking water analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, and cyanide; and, prepare and submit a letter report summarizing site activities and analytical results.

This letter report summarizes the 4th quarter field investigation activities conducted by START in October 2009, and includes pertinent results and findings.

Site Description

The site encompasses the former CTS of Asheville (CTS) property, located at 35° 29' 36" North latitude and 82° 30' 22" West longitude on Mills Gap Road, approximately 1 mile east of Asheville, Buncombe County, North Carolina (see Attachment A, Figure 1). The property is relatively flat with elevations ranging from approximately 2,420 to 2,440 feet above mean sea level (amsl). The property consists of a 95,000 square foot (ft²) brick veneer warehouse/light industrial building on an approximately 52-acre property. The former operations area of the facility, including the building, rests on a 9-acre fenced parcel. The remaining acreage has been redeveloped into residential lots.

Site Background

Investigations conducted at the CTS property have revealed the presence of trichloroethene (TCE) in soil and groundwater. TCE was used during electroplating operations at the facility to clean parts prior to plating. Springs and private wells used to supply nearby residences with drinking water have been found to be contaminated with TCE. EPA has provided and installed water filters on some existing wells, connected several residences to the Buncombe County municipal system, and has provided bottled water to others as a result of detected analytes.

Drinking Water Well Sampling Activities

From October 26–29, 2009, START, with the assistance of EPA SEDS and Buncombe County Health Department (BCHD) personnel, collected samples from 95 private drinking water wells as part of the Mills Gap 4th quarter sampling event. The Sample Locations map is included as Figure 2 in Attachment A. Table 1 provided in Attachment B provides a summary of the samples collected including a description of the sampling locations and the corresponding geographic coordinates.

Samples were collected at the wellhead whenever possible. If a wellhead was not accessible, the water sample was collected from an unfiltered tap located as close to the wellhead as possible. Each drinking

water well was purged until water quality readings indicated that all parameters were within 10% and the turbidity was below 10 nephelometric units (NTUs) before a sample was collected. Temperature, pH, conductivity, and turbidity readings were taken at approximately three minute intervals for at least 15 minutes. Table 2 provided in Attachment B presents the water quality readings for the wells sampled.

The logbook notes and a photographic log documenting field activities are included as Attachments C and D, respectively.

Laboratory Analytical Results

A total of 105 drinking water samples, including 10 field duplicate samples, were submitted to CLP laboratories for trace-level Target Compound List (TCL) VOC and TCL SVOC analysis by EPA Method SOM01.2; and, Target Analyte List (TAL) metals and cyanide analysis by EPA Method ILM05.4. Five trip blank samples and two preservative blank samples were submitted and analyzed to verify the absence of blank and preservative contamination, respectively. Laboratory analytical results are summarized in Table 3 included in Attachment B. The complete case narratives for the analytical results are included as Attachment E.

For evaluation purposes, analytical results were compared to health based screening criteria including federal drinking water Maximum Contaminant Levels (MCLs) or Region 4 Regional Screening Levels (RSLs) for tap water. If an MCL was not listed for a compound, then the RSL for tap water was used to evaluate the result.

Analytical results for residential drinking water samples collected during the October 2009 sampling event indicated the presence of several SVOC, VOC, and metals. TCE and its breakdown compound, cis-1,2-dichloroethene (cis-1,2-DCE), were detected in one sample (MG-GMP4-09) at concentrations of 430 micrograms per liter (µg/L) and 32 µg/L, respectively. TCE was first detected in this well in August 2009 when the EPA Environmental Response Team (ERT) sampled it during the attribution study. Other VOC analytes detected in samples below their respective health based screening criteria included acetone, bromoform, bromomethane, chloroform, dibromochloromethane, dichlorodifluoromethane (Freon 12), methyl t-butyl ether (MTBE), and methylene chloride. Only one SVOC analyte, bis(2-ethylhexyl) phthalate, was detected in three samples (MG-GMP4-05, MG-GMP4-10, and MG-GMP4-104) and, in all three cases, it was detected at concentrations exceeding the MCL (6 µg/L). However, two of the three samples with exceedances of bis(2-ethylhexyl) phthalate were collected as field duplicates where one of the field duplicate samples was non-detect.

Relative percent difference (RPD) was calculated between the field samples and their corresponding field duplicate samples where bis(2-ethylhexyl)phthalate exceeded the MCL. Calcium and iron results were also calculated for RPD. The RPD between field sample MG-GPM4-10 and field duplicate sample MG-GMP4-101 for bis(2-ethylhexyl) phthalate was 55%. The RPD between field sample MG-GPM4-10 and field duplicate sample MG-GMP4-101 for calcium and iron was 7% and 3%, respectively. The RPD between field sample MG-GMP4-33 and field duplicate sample MG-GMP4-104 for bis(2-ethylhexyl)phthalate was 88%. The RPD between field sample MG-GMP4-33 and field duplicate sample MG-GMP4-104 for calcium and iron was 6% and 9%, respectively. A RPD greater than 20% renders the results questionable. Therefore, the bis(2-ethylhexyl)phthalate exceedances reported for field sample MG-GMP4-10 and field duplicate sample MG-GMP4-104 are considered inconclusive.

The following equation was used to calculate RPD: $[(X_1 - X_2) / ((X_1 + X_2) / 2)] \times 100$

Where,

X_1 represents the field sample result

X_2 represents the field duplicate sample result

Cyanide was not detected in any of the samples. Metals detected in samples below their respective health based screening criteria included aluminum, barium, calcium, chromium, cobalt, copper, iron, magnesium, manganese, nickel, potassium, silver, sodium, vanadium, and zinc. The only metals detected at or above their respective health based screening criteria were beryllium and lead. Beryllium was detected in exceedance of the MCL in sample MG-GMP4-52 (12 µg/L). Lead was detected at a concentration equal to the MCL (15 µg/L) in sample MG-GMP4-19; however, the detection of lead could be the result of household plumbing. The sample was collected from the spigot located on the back side of the house near the well head.

The quality assurance/quality control (QA/QC) results indicated that silver was detected in the metals blank at an estimated value of 0.74J µg/L (noted with a J qualifier), which is well below the RSL of 180 µg/L. Chloromethane was detected at an estimated concentration of 0.35J µg/L in trip blank MG-GPM4TB-01, which is well below the RSL of 190 µg/L. Methylene chloride was detected at an estimated concentration of 0.54J µg/L in trip blank MG-GMP4TB-05, which is below the MCL of 5 µg/L. Methylene chloride concentrations were detected in nine field samples ranging from 0.57 µg/L to 1.2 µg/L; however, only three of the field samples (MG-GMP4-55, MG-GMP4-56, and MG-GMP4-77) were shipped with trip blank MG-GMP4TB-01. These results discount the possibility of transfer from the trip blank to all of the field samples showing methylene chloride detections. Furthermore, the methylene chloride detections could possibly be the result of common laboratory contamination.

Conclusion

START was tasked under EPA Contract No. EP-W-05-053, TDD No. TNA-05-003-0055 to collect quarterly residential drinking water samples for laboratory analysis from numerous private wells located within a 1-mile radius of the site.

Drinking water well samples were collected October 26–29, 2009, and submitted to CLP laboratories for drinking water analysis of VOCs, SVOCs, metals, and cyanide. Analytical results indicated the presence of TCE above the federal MCL in one drinking water sample (MG-GMP4-09). Bis(2-ethylhexyl)phthalate was detected at concentrations above the MCL in three drinking water samples (MG-GMP4-05, MG-GMP4-10, and MG-GMP4-104). The bis(2-ethylhexyl)phthalate results for MG-GMP4-10 and MG-GMP4-104 are considered inconclusive due the RPD between the field sample and the corresponding field duplicate sample being higher than 20%. Beryllium was detected at concentrations above the MCL in one drinking water sample (MG-GMP4-52). Lead was detected equal to the MCL in one drinking water sample (MG-GMP4-19).

If you have any questions or comments regarding this letter report or require any additional information please feel free to contact me or Greg Kowalski, START Program Manager, at 678-355-5550.

Sincerely,



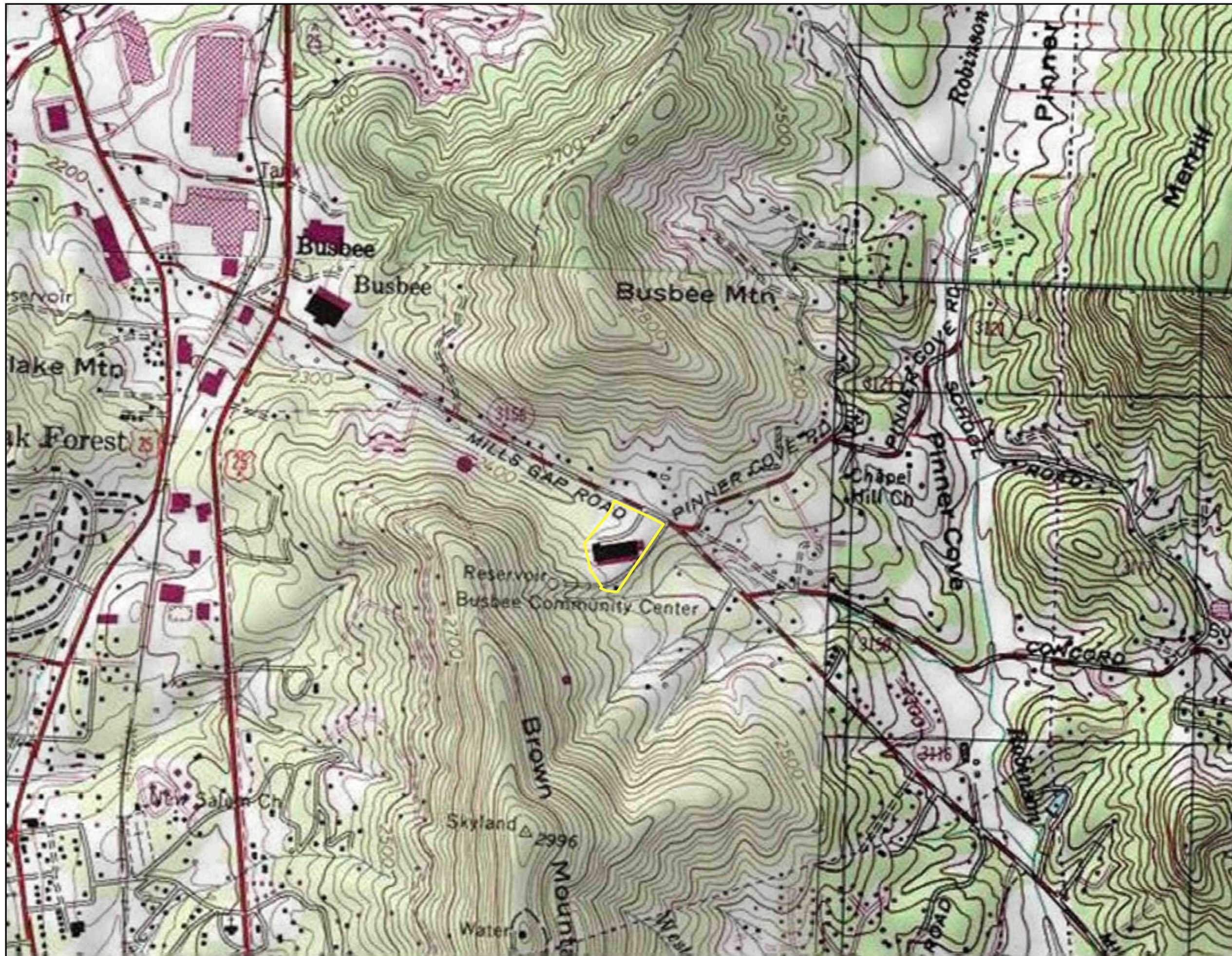
Ryan Stubbs
START Environmental Scientist
OTIE

cc: Jennifer Wendel, Remedial Project Manager
Katrina Jones, EPA Project Officer
Darryl Walker, EPA Project Officer
OTIE START File

ATTACHMENT A

FIGURES

(3 Pages)



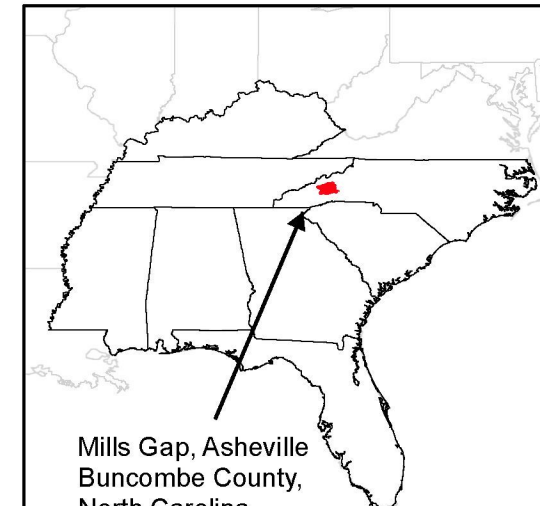
Disclaimer: This map is intended for visual orientation use only. In no way is this map to be used for precise locational use.

Legend

 Site Boundary



Feet
0 1,000 2,000



**MILLS GAP
ASHEVILLE,
BUNCOMBE COUNTY,
NORTH CAROLINA**
TDD:05-003-0055

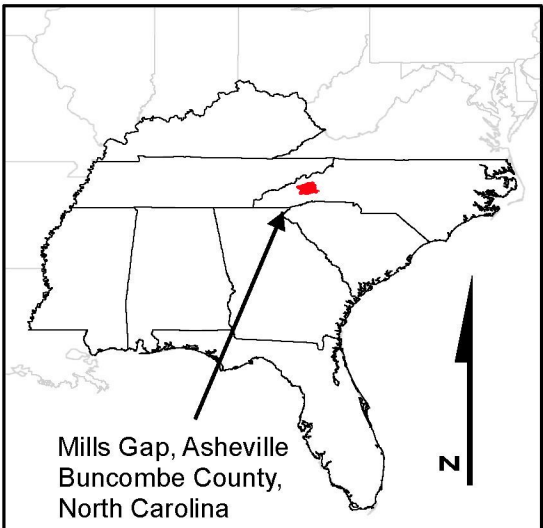
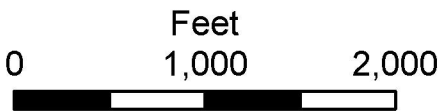
**FIGURE 1
TOPOGRAPHICAL MAP**





Legend

- Site Boundary
- Parcel Boundary
- Sample Points



**MILLS GAP,
ASHEVILLE,
BUNCOMBE COUNTY,
NORTH CAROLINA**
TDD:05-003-0055

**FIGURE 2
SAMPLE LOCATIONS**



ATTACHMENT B

TABLES

(33 Pages)

TABLE 1
MILLS GAP QUARTERLY POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF SAMPLES COLLECTED

Property Address	Location Description	Latitude	Longitude	Location	Sample ID	Sample Type	Sample Date	Cyanide (LM05.4)	SVOC (SOM01.2)	Total Metals (LM05.4)	VOC (SOM01.2)
Private Wells											
	wellhead	35.4997391	-82.4952255	MGPW027	MG-GMP4-27	Field Sample	10/26/2009	X	X	X	X
	wellhead	35.48709	-82.49534	MGPW109	MG-GMP4-87	Field Sample	10/28/2009	X	X	X	X
	spigot on left side of house	35.48876	-82.49086	MGPW137	MG-GMP4-71	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.4883713	-82.4908986	MGPW049	MG-GMP4-72	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.48617	-82.49731	MGPW106	MG-GMP4-64	Field Sample	10/28/2009	X	X	X	X
	basement/filter	35.4910895	-82.4894083	MGPW008	MG-GMP4-23	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.4884045	-82.4914913	MGPW014	MG-GMP4-73	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.4887457	-82.4917599	MGPW046	MG-GMP4-74	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.4884	-82.49203	MGPW135	MG-GMP4-76	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.48883	-82.49191	MGPW120	MG-GMP4-75	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.4961304	-82.4938311	MGPW057	MG-GMP4-97	Field Sample	10/28/2009	X	X	X	X
	wellhead	35.49903	-82.49372	MGPW128	MG-GMP4-32	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.4967819	-82.5002265	MGPW138	MG-GMP4-09	Field Sample	10/26/2009	X	X	X	X
	wellhead	35.4996421	-82.4941761	MGPW025	MG-GMP4-33	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.4996421	-82.4941761	MGPW025	MG-GMP4-104	Field Duplicate	10/27/2009	X	X	X	X
	wellhead	35.49255	-82.48945	MGPW102	MG-GMP4-48	Field Sample	10/28/2009	X	X	X	X
	wellhead	35.4993631	-82.4933122	MGPW023	MG-GMP4-34	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.50062	-82.50003	MGPW094	MG-GMP4-40	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.4920953	-82.4918258	MGPW021	MG-GMP4-04	Field Sample	10/28/2009	X	X	X	X
	wellhead	35.50105	-82.49982	MGPW095	MG-GMP4-41	Field Sample	10/27/2009	X	X	X	X
	from tap on kitchen sink	35.49632	-82.49307	MGPW101	MG-GMP4-98	Field Sample	10/28/2009	X	X	X	X
	from tap on kitchen sink	35.49381	-82.48817	MGPW116	MG-GMP4-44	Field Sample	10/28/2009	X	X	X	X
	from tap on kitchen sink	35.49381	-82.48817	MGPW116	MG-GMP4-105	Field Duplicate	10/28/2009	X	X	X	X
	wellhead	35.5002587	-82.4936464	MGPW024	MG-GMP4-36	Field Sample	10/26/2009	X	X	X	X
	from tap on kitchen sink	35.48886	-82.48438	MGPW122	MG-GMP4-24	Field Sample	10/28/2009	X	X	X	X
	wellhead behind garage	35.4829941	-82.4976217	MGPW039	MG-GMP4-17	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.50029	-82.49251	MGPW099	MG-GMP4-37	Field Sample	10/27/2009	X	X	X	X
	wellhead (wishing well)	35.49546	-82.49443	MGPW114	MG-GMP4-01	Field Sample	10/28/2009	X	X	X	X
	wellhead	35.4857964	-82.4896357	MGPW038	MG-GMP4-06	Field Sample	10/28/2009	X	X	X	X
	spigot on house	35.49627	-82.47749	MGPW131	MG-GMP4-49	Field Sample	10/28/2009	X	X	X	X
	spigot in basement	35.4928114	-82.4937903	MGPW010	MG-GMP4-53	Field Sample	10/28/2009	X	X	X	X
	stickup spigot near wellhead	35.493202	-82.491498	MGPW082	MG-GMP4-05	Field Sample	10/28/2009	X	X	X	X
	wellhead	35.4938855	-82.4929395	MGPW073	MG-GMP4-54	Field Sample	10/26/2009	X	X	X	X
	wellhead	35.50272	-82.491781	MGPW112	MG-GMP4-38	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.4934106	-82.4929491	MGPW072	MG-GMP4-55	Field Sample	10/26/2009	X	X	X	X
	wellhead	35.4934106	-82.4929491	MGPW072	MG-GMP4-106	Field Duplicate	10/26/2009	X	X	X	X
	wellhead	35.48659	-82.49774	MGPW121	MG-GMP4-68	Field Sample	10/27/2009	X	X	X	X

TABLE 1
MILLS GAP QUARTERLY POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF SAMPLES COLLECTED

Property Address	Location Description	Latitude	Longitude	Location	Sample ID	Sample Type	Sample Date	Cyanide (LM05.4)	SVOC (SOM01.2)	Total Metals (LM05.4)	VOC (SOM01.2)
	wellhead	35.4935153	-82.4922723	MGPW071	MG-GMP4-56	Field Sample	10/26/2009	X	X	X	X
	wellhead	35.4933444	-82.4920412	MGPW064	MG-GMP4-57	Field Sample	10/26/2009	X	X	X	X
	spigot behind house	35.48582	-82.49855	MGPW103	MG-GMP4-69	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.4935972	-82.4917753	MGPW015	MG-GMP4-58	Field Sample	10/27/2009	X	X	X	X
	spigot on house	35.4945878	-82.5033599	MGPW017	MG-GMP4-66	Field Sample	10/26/2009	X	X	X	X
	spigot on house	35.4945878	-82.5033599	MGPW017	MG-GMP4-107	Field Duplicate	10/26/2009	X	X	X	X
	wellhead	35.4874948	-82.49019	MGPW048	MG-GMP4-91	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.50097	-82.49938	MGPW096	MG-GMP4-42	Field Sample	10/27/2009	X	X	X	X
	house	35.49339	-82.4918	MGPW084	MG-GMP4-59	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.49457	-82.48824	MGPW124	MG-GMP4-45	Field Sample	10/28/2009	X	X	X	X
	wellhead	35.4936	-82.49136	MGPW134	MG-GMP4-60	Field Sample	10/27/2009	X	X	X	X
	spigot next to house	35.484724	-82.4823279	MGPW004	MG-GMP4-94	Field Sample	10/29/2009	X	X	X	X
	wellhead - hose	35.493046	-82.4914105	MGPW011	MG-GMP4-61	Field Sample	10/27/2009	X	X	X	X
	spigot at garage/house	35.4857847	-82.4806467	MGPW005	MG-GMP4-95	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.4932583	-82.491136	MGPW063	MG-GMP4-62	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.48167	-82.50472	MGPW107	MG-GMP4-63	Field Sample	10/27/2009	X	X	X	X
	spigot next to wellhead	35.50211	-82.49419	MGPW110	MG-GMP4-39	Field Sample	10/28/2009	X	X	X	X
	wellhead in building	35.4865629	-82.4792424	MGPW006	MG-GMP4-96	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.50145	-82.49935	MGPW097	MG-GMP4-43	Field Sample	10/28/2009	X	X	X	X
	spigot in big yard	35.4892229	-82.5158993	MGPW065	MG-GMP4-88	Field Sample	10/28/2009	X	X	X	X
	spigot in big yard	35.4892229	-82.5158993	MGPW065	MG-GMP4-109	Field Duplicate	10/28/2009	X	X	X	X
	spigot on house	35.4892449	-82.5149889	MGPW032	MG-GMP3-89	Field Sample	10/29/2009	X	X	X	X
	stick up spigot near wellhead	35.4918964	-82.4979675	MGPW055	MG-GMP4-18	Field Sample	10/28/2009	X	X	X	X
	wellhead	35.48246	-82.50274	MGPW108	MG-GMP4-25	Field Sample	10/26/2009	X	X	X	X
	wellhead	35.499423	-82.500428	MGPW087	MG-GMP4-10	Field Sample	10/26/2009	X	X	X	X
	wellhead	35.499423	-82.500428	MGPW087	MG-GMP4-101	Field Duplicate	10/26/2009	X	X	X	X
	from tap on kitchen sink	35.48343	-82.50201	MGPW136	MG-GMP4-26	Field Sample	10/26/2009	X	X	X	X
	spigot on house	35.49644	-82.47716	MGPW115	MG-GMP4-50	Field Sample	10/28/2009	X	X	X	X
	wellhead	35.487568	-82.4907378	MGPW047	MG-GMP4-92	Field Sample	10/29/2009	X	X	X	X
	spigot on side of house	35.49712	-82.49133	MGPW129	MG-GMP4-99	Field Sample	10/28/2009	X	X	X	X
	spigot on side of house	35.49712	-82.49133	MGPW129	MG-GMP4-110	Field Duplicate	10/28/2009	X	X	X	X
	spigot in garden	35.485606	-82.518135	MGPW081	MG-GMP4-70	Field Sample	10/29/2009	X	X	X	X
	spigot on house	35.49539	-82.48801	MGPW118	MG-GMP4-46	Field Sample	10/28/2009	X	X	X	X
	spigot next to wellhead	35.4981277	-82.5009008	MGPW016	MG-GMP4-11	Field Sample	10/26/2009	X	X	X	X
	spigot near wellhead	35.4914543	-82.4964596	MGPW045	MG-GMP4-19	Field Sample	10/28/2009	X	X	X	X
	spigot on house	35.50046	-82.5014	MGPW092	MG-GMP4-12	Field Sample	10/26/2009	X	X	X	X
	from tap on kitchen sink	35.4991849	82.50197596	MGPW140	MG-GMP4-13	Field Sample	10/27/2009	X	X	X	X
	from tap on kitchen sink	35.4991849	82.50197596	MGPW140	MG-GMP4-102	Field Duplicate	10/27/2009	X	X	X	X
	wellhead	35.4993333	-82.4945333	MGPW091	MG-GMP4-28	Field Sample	10/26/2009	X	X	X	X

TABLE 1
MILLS GAP QUARTERLY POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF SAMPLES COLLECTED

Property Address	Location Description	Latitude	Longitude	Location	Sample ID	Sample Type	Sample Date	Cyanide (LM05.4)	SVOC (SOM01.2)	Total Metals (LM05.4)	VOC (SOM01.2)
	wellhead in shed	35.491007	-82.4960721	MGPW013	MG-GMP4-20	Field Sample	10/28/2009	X	X	X	X
	spigot on end of house/filter	35.4770141	-82.4870014	MGPW022	MG-GMP4-52	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.48898	-82.48625	MGPW100	MG-GMP4-86	Field Sample	10/29/2009	X	X	X	X
	spigot on house	35.4991834	-82.5049025	MGPW139	MG-GMP4-14	Field Sample	10/27/2009	X	X	X	X
	spigot on house	35.49142	-82.48832	MGPW133	MG-GMP4-77	Field Sample	10/26/2009	X	X	X	X
	spigot on house	35.49142	-82.48832	MGPW133	MG-GMP4-108	Field Duplicate	10/26/2009	X	X	X	X
	spigot near sump	35.49293	-82.48867	MGPW098	MG-GMP4-78	Field Sample	10/26/2009	X	X	X	X
	wellhead	35.5006488	-82.501974	MGPW007	MG-GMP4-15	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.493969	-82.493738	MGPW085	MG-GMP4-02	Field Sample	10/26/2009	X	X	X	X
	spigot on house	35.49959	-82.49476	MGPW086	MG-GMP4-29	Field Sample	10/26/2009	X	X	X	X
	wellhead	35.489574	-82.4895678	MGPW050	MG-GMP4-90	Field Sample	10/29/2009	X	X	X	X
	wellhead (metal vault)	35.49348	-82.48999	MGPW113	MG-GMP4-79	Field Sample	10/28/2009	X	X	X	X
	stickup spigot near backdoor	35.4959433	-82.4896089	MGPW053	MG-GMP4-80	Field Sample	10/28/2009	X	X	X	X
	wellhead	35.4972788	-82.4885075	MGPW060	MG-GMP4-81	Field Sample	10/28/2009	X	X	X	X
	wellhead	35.4948585	-82.4913159	MGPW058	MG-GMP4-82	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.4952	-82.49118	MGPW126	MG-GMP4-83	Field Sample	10/29/2009	X	X	X	X
	spigot low to ground	35.494911	-82.4931971	MGPW059	MG-GMP4-84	Field Sample	10/29/2009	X	X	X	X
	wellhead	35.49575	-82.49161	MGPW130	MG-GMP4-85	Field Sample	10/29/2009	X	X	X	X
	spigot on house facing road	35.49388	-82.49346	MGPW088	MG-GMP4-03	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.5002915	-82.4942158	MGPW074	MG-GMP4-30	Field Sample	10/26/2009	X	X	X	X
	spigot on house	35.490603	-82.490457	MGPW089	MG-GMP4-21	Field Sample	10/28/2009	X	X	X	X
	spigot on trailer	35.490603	-82.490457	MGPW090	MG-GMP4-22	Field Sample	10/28/2009	X	X	X	X
	spigot on trailer	35.490603	-82.490457	MGPW090	MG-GMP4-103	Field Duplicate	10/28/2009	X	X	X	X
	wellhead	35.50182	-82.50191	MGPW093	MG-GMP4-16	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.49912	-82.49443	MGPW111	MG-GMP4-31	Field Sample	10/26/2009	X	X	X	X
	wellhead	35.49268	-82.49007	MGPW104	MG-GMP4-47	Field Sample	10/28/2009	X	X	X	X
	spigot on side of house	35.48153	-82.49541	MGPW132	MG-GMP4-93	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.49878	-82.49593	MGPW123	MG-GMP4-67	Field Sample	10/27/2009	X	X	X	X
	wellhead	35.485222	-82.490908	BBER01	MG-GMP4-07	Field Sample	10/28/2009	X	X	X	X

TABLE 1
MILLS GAP QUARTERLY POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF SAMPLES COLLECTED

Property Address	Location Description	Latitude	Longitude	Location	Sample ID	Sample Type	Sample Date	Cyanide (LM05.4)	SVOC (SOM01.2)	Total Metals (LM05.4)	VOC (SOM01.2)
QAQC Samples											
				#R4DART#	MG-GMP4MB-01	Lab QC	10/22/2009			X	
					MG-GMP4PB-01	Preservative Blank	10/29/2009	X			
					MG-GMP4PB-02	Preservative Blank	10/29/2009			X	
					MG-GMP4TB-01	Trip Blank	10/23/2009				X
					MG-GMP4TB-02	Trip Blank	10/23/2009				X
					MG-GMP4TB-03	Trip Blank	10/23/2009				X
					MG-GMP4TB-04	Trip Blank	10/23/2009				X
					MG-GMP4TB-05	Trip Blank	10/23/2009				X

TABLE 2
MILLS GAP QUARTERLY POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF WATER QUALITY PARAMETERS

Property	Sample ID	Sample Time	pH	Conductivity	Turbidity	Temperature (°C)
	MG-GMP4-09	15:10	7.26	201.3	0.33	16.3
			7.25	200.3	0.20	16.5
			7.26	199.9	0.42	16.4
	MG-GMP4-10	15:45	7.39	217.2	1.05	15.5
			7.34	216.2	1.22	15.5
			7.38	216.8	0.46	15.3
	MG-GMP4-101	15:50	7.39	217.2	1.05	15.5
			7.34	216.2	1.22	15.5
			7.38	216.8	0.46	15.3
	MG-GMP4-11	16:45	7.57	214.2	1.90	15.5
			7.53	214.0	1.97	15.5
			7.52	213.8	1.93	16.1
	MG-GMP4-12	17:30	5.70	62.7	0.07	14.5
			5.72	62.8	0.31	14.4
			5.70	62.1	0.06	14.4
	MG-GMP4-13	9:15	7.16	200.4	1.68	13.9
			7.15	199.9	14.3	15.6
			7.15	200.6	2.73	15.3
	MG-GMP4-102	9:20	7.16	200.4	1.68	13.9
			7.15	199.9	14.3	15.6
			7.15	200.6	2.73	15.3
	MG-GMP4-14	10:05	6.52	54.5	2.36	13.5
			6.52	53.9	2.42	13.3
			6.41	53.7	1.73	13.4
	MG-GMP4-15	10:50	7.26	220.4	2.54	14.9
			7.26	220.6	1.84	14.9
			7.26	220.9	1.53	14.9
	MG-GMP4-16	12:35	6.19	136.2	0.94	14.3
			6.19	136.3	0.60	14.2
			6.18	136.1	0.56	14.3
	MG-GMP4-40	14:20	7.72	217.7	1.31	15.7
			7.70	217.6	1.30	15.6
			7.74	217.9	1.23	15.7
	MG-GMP4-41	13:15	7.64	184.8	4.40	13.9
			7.63	185.1	4.69	14.1
			7.67	185.1	4.52	14.2
	MG-GMP4-42	14:50	7.67	213.4	2.23	14.3
			7.67	213.4	1.18	14.8
			7.65	213.2	1.02	15.1
	MG-GMP4-43	8:55	7.69	213.8	0.50	15.9
			7.70	213.8	0.68	16.0
			7.69	214.0	0.48	16.1
	MG-GMP4-18	10:18	6.00	54.9	1.70	14.0
			5.99	54.2	5.50	13.9
			6.00	53.8	5.69	14.0
	MG-GMP4-19	9:45	5.89	35.6	6.17	16.8
			5.89	35.8	5.41	16.3
			5.88	35.6	4.88	16.1
	MG-GMP4-20	10:57	6.72	125.6	2.60	13.7
			6.69	123.9	3.16	14.1
			6.71	125.3	2.88	13.7
	MG-GMP4-21	11:33	7.73	179.1	0.40	15.1
			7.79	180.2	0.16	15.2
			7.80	181.3	0.43	15.4
	MG-GMP4-22	13:15	7.83	184.8	0.30	15.5
			7.83	185.0	0.34	15.6
			7.79	185.5	0.30	15.7
	MG-GMP4-103	13:20	7.83	184.8	0.30	15.5
			7.83	185.0	0.34	15.6
			7.79	185.5	0.30	15.7
	MG-GMP4-23	9:00	6.82	103.5	133	13.7
			6.81	103.4	107	13.5
			6.80	103.2	101	13.6

TABLE 2
MILLS GAP QUARTERLY POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF WATER QUALITY PARAMETERS

	MG-GMP4-24	14:05	6.17	131.7	0.34	14.6
			6.15	126.0	0.31	15.1
			6.22	126.3	0.47	14.8
	MG-GMP4-66	14:05	5.95	54.1	0.16	14.3
			5.94	53.8	0.15	14.3
			5.93	53.1	0.37	14.3
	MG-GMP4-86	9:40	5.95	117.3	6.52	12.8
			5.94	117.2	8.83	12.7
			5.95	117.6	7.73	12.7
	MG-GMP4-90	10:20	6.10	145.4	0.34	14.6
			6.40	193.5	0.41	14.5
			6.40	211.8	0.33	14.6
	MG-GMP4-91	10:48	6.08	121.3	0.34	13.8
			6.03	121.2	0.37	13.9
			6.03	120.5	0.37	13.9
	MG-GMP4-92	11:15	5.92	115.9	0.36	13.9
			5.92	115.9	0.30	13.9
			5.96	116.4	0.32	14.0
	MG-GMP4-52	18:25	6.28	36.1	4.39	14.4
			6.23	36.4	4.47	14.4
			6.27	36.5	6.72	14.6
	MG-GMP4-55	13:40	5.62	153.5	0.61	15.9
			5.62	153.5	0.28	15.9
			5.62	153.5	0.40	15.9
	MG-GMP4-106	13:40	5.62	153.5	0.61	15.9
			5.62	153.5	0.28	15.9
			5.62	153.5	0.40	15.9
	MG-GMP4-02	15:15	6.06	91.5	0.40	13.5
			6.06	91.5	0.29	13.5
			6.04	91.2	0.33	13.6
	MG-GMP4-54	16:10	5.73	71.0	0.27	13.5
			5.69	70.3	0.27	13.4
			5.72	70.2	0.27	13.4
	MG-GMP4-56	16:45	6.24	118.3	0.34	14.0
			6.29	117.9	0.30	13.5
			6.31	118.0	0.29	13.7
	MG-GMP4-57	17:20	7.13	291.2	0.98	14.3
			7.20	292.0	0.81	13.9
			7.19	293.0	0.82	14.5
	MG-GMP4-61	9:10	6.54	243.8	8.08	13.6
			6.50	243.8	9.47	13.8
			6.55	243.8	6.93	13.6
	MG-GMP4-62	9:45	6.33	179.9	1.61	14.1
			6.34	179.9	1.58	14.2
			6.36	184.5	0.95	14.1
	MG-GMP4-59	10:40	6.56	233.6	0.57	14.5
			6.56	234.3	0.74	13.7
			6.54	234.4	0.62	14.1
	MG-GMP4-60	11:40	5.79	101.0	22.2	14.0
			5.76	97.6	5.95	14.2
			5.80	97.4	3.89	14.0
	MG-GMP4-58	12:30	6.79	289.3	5.09	14.6
			6.78	285.0	4.60	14.5
			6.80	289.7	5.09	14.6
	MG-GMP4-03	15:40	6.65	161.9	0.22	20.1
			6.66	158.7	0.26	20.1
			6.66	154.0	0.30	20.1
	MG-GMP4-04	9:10	7.15	185.4	6.00	13.9
			7.10	189.9	4.12	14.2
			7.10	186.8	4.18	14.1
	MG-GMP4-05	9:50	6.86	158.0	1.07	14.2
			6.81	156.8	1.68	14.3
			6.93	159.7	1.20	14.2

TABLE 2
MILLS GAP QUARTERLY POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF WATER QUALITY PARAMETERS

	MG-GMP4-53	10:45	7.07	207.0	3.18	14.9
			7.12	207.2	2.77	14.5
			7.12	206.7	3.20	14.9
	MG-GMP4-01	11:55	6.33	65.2	0.33	13.6
			6.32	65.6	0.26	13.6
			6.25	64.2	0.26	13.7
	MG-GMP4-79	14:15	5.90	90.2	0.79	13.9
			5.86	90.2	0.32	14.0
			5.86	90.2	0.28	14.1
	MG-GMP4-80	15:00	7.13	311	0.34	14.8
			7.16	311	0.36	14.8
			7.20	312	0.35	14.8
	MG-GMP4-81	15:40	7.25	409	4.33	17.4
			7.29	409	12.7	16.3
			7.36	409	5.62	16.0
	MG-GMP4-71	8:50	6.40	169.7	1.32	14.3
			6.43	170.0	1.12	14.4
			6.44	173.0	1.04	14.2
	MG-GMP4-72	9:25	5.88	120.5	1.32	14.5
			5.86	119.8	1.12	15.0
			5.85	119.3	1.04	14.8
	MG-GMP4-74	10:25	6.34	140.9	9.62	13.4
			6.36	140.9	11.0	13.5
			6.35	141.7	9.15	13.4
	MG-GMP4-75	11:10	6.68	124.7	3.88	13.7
			6.73	124.6	3.92	13.8
			6.74	124.5	3.96	13.9
	MG-GMP4-76	13:25	6.86	131.6	24.1	14.4
			6.90	131.1	21.2	14.3
			6.85	131.4	22.3	14.3
	MG-GMP4-73	14:10	6.46	162.2	0.20	14.4
			6.50	161.8	0.11	14.1
			6.51	161.6	0.11	14.3
	MG-GMP4-27	13:53	6.05	96.8	1.75	14.3
			6.04	96.6	1.66	14.6
			6.07	96.7	1.55	14.6
	MG-GMP4-29	14:50	6.69	121.4	2.26	14.8
			6.69	121.8	1.73	14.8
			6.63	120.3	1.63	15.0
	MG-GMP4-28	15:20	6.87	148.5	1.30	14.8
			6.88	149.2	1.23	14.9
			6.89	148.7	0.66	14.9
	MG-GMP4-30	16:06	6.69	149.5	0.74	14.6
			6.75	151.0	0.62	15.4
			6.76	150.6	0.45	15.4
	MG-GMP4-36	16:50	6.43	43.3	0.34	14.2
			6.42	43.1	0.59	14.3
			6.33	43.6	0.38	14.4
	MG-GMP4-31	17:25	7.11	137.3	0.87	14.8
			7.09	136.7	0.78	14.8
			7.10	136.1	0.76	14.9
	MG-GMP4-32	9:07	5.92	84.4	1.49	13.8
			5.93	81.7	2.23	13.8
			5.98	81.8	2.45	13.9
	MG-GMP4-33	9:48	6.40	148.1	1.37	14.2
			6.59	145.6	1.18	14.7
			6.53	145.0	1.22	14.2
	MG-GMP4-104	9:55	6.40	148.1	1.37	14.2
			6.59	145.6	1.18	14.7
			6.53	145.0	1.22	14.2
	MG-GMP4-34	10:33	6.20	63.6	0.50	13.5
			6.18	63.4	0.45	13.9
			6.16	63.5	0.45	13.8
	MG-GMP4-67	11:56	6.62	118.0	1.01	13.6
			6.63	117.3	0.97	13.1
			6.63	116.9	0.89	14.0

TABLE 2
MILLS GAP QUARTERLY POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF WATER QUALITY PARAMETERS

MG-GMP4-37	13:23	5.97	58.5	0.49	12.0
		5.95	58.3	0.43	12.0
		5.95	58.0	0.40	12.1
MG-GMP4-97	9:50	6.70	152.7	4.31	14.4
		6.70	151.5	3.92	14.6
		6.69	152.3	3.02	14.9
MG-GMP4-98	10:21	6.40	60.7	0.97	14.3
		6.42	60.9	0.54	14.2
		6.41	61.3	1.00	14.0
MG-GMP4-99	11:01	6.14	65.0	0.62	15.9
		6.20	64.9	0.65	16.6
		6.18	65.3	0.58	15.6
MG-GMP4-110	11:01	6.14	65.0	0.62	15.9
		6.20	64.9	0.65	16.6
		6.18	65.3	0.58	15.6
MG-GMP4-46	13:17	5.88	100.1	4.12	15.1
		5.86	101.6	3.28	15.2
		5.88	102.5	2.76	15.4
MG-GMP4-45	13:50	5.95	88.4	0.49	15.1
		5.84	88.4	0.57	15.1
		5.85	87.5	0.57	14.9
MG-GMP4-44	14:24	6.09	93.4	0.46	15.0
		6.11	94.9	0.48	15.1
		6.20	94.0	0.58	15.0
MG-GMP4-48	15:13	6.77	210.2	2.34	15.1
		6.82	210.3	2.24	15.0
		6.80	211.0	1.91	15.1
MG-GMP4-47	16:00	6.78	219.8	373	15.1
		6.74	219.7	51.9	15.7
		6.78	220.0	9.58	15.5
MG-GMP4-82	8:42	6.20	131.7	1.46	13.6
		6.17	132.5	0.64	13.4
		6.18	131.6	0.37	13.3
MG-GMP4-83	9:17	6.16	106.7	0.16	14.2
		6.15	106.9	0.16	14.1
		6.14	106.1	0.17	14.0
MG-GMP4-84	10:01	6.35	83.7	0.10	13.5
		6.34	88.0	0.06	13.7
		6.37	91.5	0.12	13.5
MG-GMP4-85	10:46	6.25	73.0	9.59	12.0
		6.23	72.3	8.59	12.3
		6.32	70.3	8.01	13.4
MG-GMP4-77	13:55	6.54	191.0	0.31	14.7
		6.54	191.7	0.31	14.8
		6.54	192.0	0.27	15.0
MG-GMP4-108	13:55	6.54	191.0	0.31	14.7
		6.54	191.7	0.31	14.8
		6.54	192.0	0.27	15.0
MG-GMP4-78	14:35	5.73	82.2	1.85	15.9
		5.68	82.2	1.94	15.9
		5.64	82.3	2.69	16.0
MG-GMP4-25	16:10	6.52	133.5	0.29	14.8
		6.55	134.8	0.37	14.6
		6.59	134.4	0.40	14.5
MG-GMP4-26	16:42	6.66	140.8	1.10	15.4
		6.73	141.3	1.42	15.4
		6.75	140.6	1.86	15.5
MG-GMP4-17	9:30	6.30	68.4	0.27	13.6
		6.29	69.5	0.59	13.6
		6.24	69.6	0.40	12.9
MG-GMP4-63	10:05	6.37	116.5	1.13	13.9
		6.35	115.1	0.98	14.1
		6.35	116.3	0.40	14.3

TABLE 2
MILLS GAP QUARTERLY POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF WATER QUALITY PARAMETERS

	MG-GMP4-93	10:42	5.99	142.2	0.81	14.4
			5.98	139.9	0.50	14.8
			5.98	140.7	0.43	14.3
	MG-GMP4-69	11:43	6.71	187.4	0.58	13.8
			6.75	187.5	0.51	13.7
			6.77	188.0	0.59	13.6
	MG-GMP4-68	13:50	6.93	174.3	1.06	14.3
			7.00	174.2	1.08	14.2
			7.02	174.9	1.05	14.0
	MG-GMP4-64	8:55	5.87	97.1	1.67	13.6
			5.86	97.3	1.53	14.6
			5.87	97.6	1.24	13.6
	MG-GMP4-06	9:50	6.50	188.2	0.54	14.9
			6.53	188.3	0.65	15.2
			6.55	188.6	0.50	15.2
	MG-GMP4-07	11:15	6.12	76.2	0.20	13.6
			6.12	76.8	0.34	13.6
			6.10	76.8	0.14	13.6
	MG-GMP4-88	13:15	6.27	98.9	1.81	13.6
			6.30	100.9	1.97	13.9
			6.29	98.5	4.35	14.5
	MG-GMP4-109	13:20	6.27	98.9	1.81	13.6
			6.30	100.9	1.97	13.9
			6.29	98.5	4.35	14.5
	MG-GMP4-87	14:15	5.67	98.7	0.32	16.1
			5.67	100.5	0.23	16.3
			5.69	102.7	0.26	16.4
	MG-GMP4-49	14:55	6.29	91.4	0.19	16.0
			6.32	92.2	0.26	15.8
			6.36	91.0	0.13	16.0
	MG-GMP4-50	15:20	6.63	133.4	0.18	16.3
			6.67	131.3	0.18	16.1
			6.67	128.8	0.14	16.0
	MG-GMP4-94	8:55	6.07	70.1	12.8	14.4
			6.08	70.0	13.8	14.3
			6.08	70.4	11.0	14.4
	MG-GMP4-95	9:30	6.36	107.4	3.02	14.2
			6.37	106.7	1.50	14.5
			6.43	107.4	3.19	14.3
	MG-GMP4-96	10:20	6.84	182.1	0.16	15.2
			6.86	181.3	0.10	15.0
			6.91	181.0	0.12	15.2
	MG-GMP4-89	11:55	6.77	135.1	10.9	14.9
			6.80	136.2	4.50	14.9
			6.83	136.1	0.89	14.9
	MG-GMP4-70	14:05	6.54	87.4	76.9	16.6
			6.48	87.4	65.0	16.8
			6.52	86.4	7.96	16.5

Notes:

GMP- Groundwater monitoring program
MG - Mills Gap
NA - Readings not available to START
°C - Degrees celsius
START - Superfund Technical Assessment and Response Team

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP3-89	MG-GMP4-01	MG-GMP4-02	MG-GMP4-03	MG-GMP4-04
Property Address						
Well ID		MGPW032	MGPW114	MGPW085	MGPW088	MGPW021
Sample Type		10/29/2009	10/28/2009	10/26/2009	10/27/2009	10/28/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	41 UJ	200 U	45 UJ	56 UJ
Barium	2000 MCL	7.3 J	9.8 J	37 J	25 J	12 J
Beryllium	4 MCL	5 U	0.56 UJ	5 U	0.72 UJ	0.92 UJ
Calcium	NL RSL	14000	4300 J	8000	21000	23000
Chromium	100 MCL	10 U	0.79 R	10 U	0.93 UJ	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	29	14 J	83	16 J	25 U
Iron	26000 RSL	1100	21 R	100 U	100 U	650
Lead	15 MCL	10 U	6.8 J	7 J	10 U	10 U
Magnesium	NL RSL	2200 J	1000 J	2000 J	2700 J	2900 J
Manganese	880 RSL	46	2.2 J	3.9 J	61	77
Nickel	730 RSL	40 U	1.2 J	40 U	1.2 R	1.3 R
Potassium	NL RSL	2600 J	1600 J	2200 J	4400 J	3500 J
Silver	180 RSL	10 U	10 J	10 U	10 U	10 U
Sodium	NL RSL	7600	4300 J	5200	6500	7200
Vanadium	260 RSL	50 U	50 J	50 U	50 U	50 U
Zinc	11000 RSL	12 J	31 J	11 J	41 J	120
VOC (ug/L)						
Acetone	22000 RSL	5 U	5 UJ	5 UR	5 UJ	5 UJ
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Methylene Chloride	5 MCL	0.5 U	1.2 J	0.5 UJ	1	1.2
Trichloroethene (Trichloroethylene)	5 MCL	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-05	MG-GMP4-06	MG-GMP4-07	MG-GMP4-09	MG-GMP4-10
Property Address						
Well ID		MGPW082	MGPW038	BBER01	MGPW138	MGPW087
Sample Type		10/28/2009	10/28/2009	10/28/2009	10/26/2009	10/26/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	6.9	5 U	5 U	5 U	8.6
Metals, Total (ug/L)						
Aluminum	37000 RSL	38 UJ	60 UJ	33 R	200 U	200 U
Barium	2000 MCL	16 J	5 J	16 J	1.2 J	0.93 J
Beryllium	4 MCL	0.56 R	1 UJ	0.49 R	5 U	5 U
Calcium	NL RSL	17000	25000	5800	30000	32000
Chromium	100 MCL	1.8 UJ	0.7 R	2 R	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	25 U	22 J	7.5 J	5.1 J	1.2 R
Iron	26000 RSL	410	100 U	100 U	41 J	3000
Lead	15 MCL	10 U	10 U	10 U	10 U	10 U
Magnesium	NL RSL	2700 J	2700 J	1800 J	2400 J	3200 J
Manganese	880 RSL	73	15 U	0.61 R	57	100
Nickel	730 RSL	1.2 UJ	40 U	0.98 R	1.6 R	40 U
Potassium	NL RSL	3600 J	2600 J	1700 J	1400 J	1300 J
Silver	180 RSL	10 U	10 U	0.74 J	10 U	10 U
Sodium	NL RSL	6100	6300	4700 J	6400	5100
Vanadium	260 RSL	50 U	50 U	1.1 R	50 U	50 U
Zinc	11000 RSL	22 J	6 UJ	2.8 UJ	8.8 J	60 U
VOC (ug/L)						
Acetone	22000 RSL	5 UJ	5 UJ	5 UR	5 UR	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	32	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Methylene Chloride	5 MCL	1.1	1.1	0.5 U	0.5 UJ	0.5 UJ
Trichloroethene (Trichloroethylene)	5 MCL	0.5 U	0.5 U	0.5 UJ	430	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-101	MG-GMP4-102	MG-GMP4-103	MG-GMP4-104	MG-GMP4-105
Property Address						
Well ID		MGPW087	MGPW140	MGPW090	MGPW025	MGPW116
Sample Type		10/26/2009	10/27/2009	10/28/2009	10/27/2009	10/28/2009
Collection Date		Field Duplicate	Field Duplicate	Field Duplicate	Field Duplicate	Field Duplicate
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 UJ	13	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	72 UJ	74 UJ	30 J	64 UJ	200 U
Barium	2000 MCL	0.74 J	0.91 J	3 J	4.4 J	33 J
Beryllium	4 MCL	1.3 UJ	1.4 UJ	0.56 R	0.83 UJ	5 U
Calcium	NL RSL	30000	27000	25000	17000	6200
Chromium	100 MCL	0.64 R	10 U	10 U	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	25 U	4 J	2.1 J	25 U	35
Iron	26000 RSL	2900	3700	100 U	410	150
Lead	15 MCL	10 U	10 U	10 U	10 U	10 U
Magnesium	NL RSL	3000 J	2900 J	2900 J	1900 J	2300 J
Manganese	880 RSL	100	96	1.7 J	95	14 J
Nickel	730 RSL	40 U	0.75 R	40 U	1.1 UJ	3.4 R
Potassium	NL RSL	1500 J	1700 J	2800 J	2800 J	2700 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	5000	4900 J	7900	6600	5700
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	2 UJ	4.7 UJ	4.8 UJ	3.7 UJ	5.9 J
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 UR	5 UR	5 UR	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
Methylene Chloride	5 MCL	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-106	MG-GMP4-107	MG-GMP4-108	MG-GMP4-109	MG-GMP4-11
Property Address						
Well ID		MGPW072	MGPW017	MGPW133	MGPW065	MGPW016
Sample Type		10/26/2009	10/26/2009	10/26/2009	10/28/2009	10/26/2009
Collection Date		Field Duplicate	Field Duplicate	Field Duplicate	Field Duplicate	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	70 UJ	70 UJ	54 R	37 R	200 U
Barium	2000 MCL	210 J	8.7 J	33 J	10 J	5.3 J
Beryllium	4 MCL	1.1 UJ	1.1 UJ	0.82 R	0.74 R	5 U
Calcium	NL RSL	12000	3400 J	23000	8400	33000
Chromium	100 MCL	0.82 R	1 R	0.55 R	10 U	0.98 J
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	30	17 J	6.3 J	20 J	1.5 J
Iron	26000 RSL	100 U	100 U	100 U	130	220
Lead	15 MCL	6.5 J	10 U	10 U	1.9 J	10 U
Magnesium	NL RSL	3700 J	1700 J	3900 J	2400 J	3000 J
Manganese	880 RSL	4.2 J	0.57 J	18	29	55
Nickel	730 RSL	6.1 UJ	1.9 UJ	1 R	8.2 J	40 U
Potassium	NL RSL	3500 J	1500 J	4500 J	2800 J	2300 J
Silver	180 RSL	10 U	0.54 J	10 U	10 U	10 U
Sodium	NL RSL	6700	3600 J	6200	6200	6000
Vanadium	260 RSL	0.77 R	0.94 R	50 U	50 U	50 U
Zinc	11000 RSL	17 J	16 J	4.9 UJ	40 J	35 J
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 UR	5 UR	5 UR	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 U	0.87	0.5 UJ	0.5 UJ
Methylene Chloride	5 MCL	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-110	MG-GMP4-12	MG-GMP4-13	MG-GMP4-14	MG-GMP4-15
Property Address						
Well ID		MGPW129	MGPW092	MGPW140	MGPW139	MGPW007
Sample Type		10/28/2009	10/26/2009	10/27/2009	10/27/2009	10/27/2009
Collection Date		Field Duplicate	Field Sample	Field Sample	Field Duplicate	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	200 U	200 U	200 U
Barium	2000 MCL	4.7 J	17 J	1.3 J	5.1 J	1.5 J
Beryllium	4 MCL	0.42 R	5 U	5 U	5 U	5 U
Calcium	NL RSL	5000 J	4300 J	28000	4200 J	31000
Chromium	100 MCL	10 U	1.1 R	10 U	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	84	18 J	2.8 J	87	25 U
Iron	26000 RSL	100 U	100 U	3800	170	3800
Lead	15 MCL	5.4 J	10 U	10 U	10 U	10 U
Magnesium	NL RSL	1500 J	2400 J	3100 J	890 J	3300 J
Manganese	880 RSL	1.9 J	8.9 J	100	3.7 J	120
Nickel	730 RSL	1.1 J	40 U	40 U	40 U	40 U
Potassium	NL RSL	1800 J	780 J	1500 J	1200 J	1400 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	5300	2300 J	5000	3700 J	4800 J
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	31 J	46 J	3.1 J	24 J	4.6 J
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 UR	5 U	5 U	5 U
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Methylene Chloride	5 MCL	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-16	MG-GMP4-17	MG-GMP4-18	MG-GMP4-19	MG-GMP4-20
Property Address						
Well ID		MGPW093	MGPW039	MGPW055	MGPW045	MGPW013
Sample Type		10/27/2009	10/27/2009	10/28/2009	10/28/2009	10/28/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	59 J	110 J	52 R	63 UJ	200 U
Barium	2000 MCL	71 J	24 J	13 J	15 J	8.8 J
Beryllium	4 MCL	1 UJ	5 U	0.89 R	0.83 UJ	5 U
Calcium	NL RSL	17000	4900 J	3800 J	2700 J	13000
Chromium	100 MCL	10 U	10 U	0.81 R	0.62 R	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	3.2 J	15 J	98	160	2.4 J
Iron	26000 RSL	100 U	170	36 J	64 J	1100
Lead	15 MCL	10 U	3.4 J	2.8 R	15	10 U
Magnesium	NL RSL	1600 J	1800 J	1300 J	840 J	2400 J
Manganese	880 RSL	59	1.2 J	1.3 J	2.8 J	98
Nickel	730 RSL	1.7 R	40 U	40 U	0.72 R	40 U
Potassium	NL RSL	1300 J	1300 J	1400 J	990 J	3100 J
Silver	180 RSL	10 U	10 U	10 U	10 U	0.47 J
Sodium	NL RSL	4700 J	3900 J	3200 J	2100 J	5600
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	18 J	3.9 J	50 J	19 J	2 UJ
VOC (ug/L)						
Acetone	22000 RSL	5 U	5 U	5 UR	5 UR	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-21	MG-GMP4-22	MG-GMP4-23	MG-GMP4-24	MG-GMP4-25
Property Address						
Well ID		MGPW089	MGPW090	MGPW008	MGPW122	MGPW108
Sample Type		10/28/2009	10/28/2009	10/29/2009	10/28/2009	10/26/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 UJ	5 UJ	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	43 R	200 U	200 U	39 R	200 U
Barium	2000 MCL	3.1 J	2.4 J	25 J	12 J	24 J
Beryllium	4 MCL	5 U	5 U	0.45 R	0.8 R	5 U
Calcium	NL RSL	24000	25000	8900	12000	16000
Chromium	100 MCL	10 U	10 U	1 R	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	3.1 J	2.3 J	9.6 J	3.4 J	9.2 J
Iron	26000 RSL	100 U	100 U	21000	100 U	300
Lead	15 MCL	10 U	10 U	2.1 R	10 U	10 U
Magnesium	NL RSL	2900 J	2800 J	3300 J	2700 J	1700 J
Manganese	880 RSL	0.77 J	1.6 J	29	15 U	51
Nickel	730 RSL	40 U	40 U	40 U	40 U	1.5 R
Potassium	NL RSL	2900 J	2800 J	3100 J	2500 J	3900 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	7800	7800	5600	7500	6200
Vanadium	260 RSL	50 U	50 U	1.3 UJ	50 U	50 U
Zinc	11000 RSL	10 J	4.4 UJ	13 J	2.6 UJ	11 J
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 UR	5 U	5 U	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Methylene Chloride	5 MCL	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-26	MG-GMP4-27	MG-GMP4-28	MG-GMP4-29	MG-GMP4-30
Property Address						
Well ID		MGPW136	MGPW027	MGPW091	MGPW086	MGPW074
Sample Type		10/26/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	200 U	200 U	200 U
Barium	2000 MCL	20 J	46 J	7 J	16 J	9.1 J
Beryllium	4 MCL	5 U	5 U	5 U	5 U	5 U
Calcium	NL RSL	16000	7100	18000	13000	19000
Chromium	100 MCL	10 U	10 U	10 U	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	2.2 J	21 J	6.8 J	3.6 J	7.1 J
Iron	26000 RSL	120	36 J	260	380	35 J
Lead	15 MCL	10 U	10 U	10 U	10 U	10 U
Magnesium	NL RSL	1800 J	2300 J	1900 J	2000 J	2000 J
Manganese	880 RSL	3.4 J	2.8 J	100	68	6.4 J
Nickel	730 RSL	40 U	40 U	40 U	40 U	40 U
Potassium	NL RSL	3900 J	2100 J	2600 J	2400 J	2300 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	6700	4900 J	7200	6900	7200
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	320	30 J	2.6 J	3.4 J	9.3 J
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 UR	5 UR	5 UR	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 UJ	0.9 J	0.5 UJ	0.5 UJ	0.5 UJ
Methylene Chloride	5 MCL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-31	MG-GMP4-32	MG-GMP4-33	MG-GMP4-34	MG-GMP4-36
Property Address						
Well ID		MGPW111	MGPW128	MGPW025	MGPW023	MGPW024
Sample Type		10/26/2009	10/27/2009	10/27/2009	10/27/2009	10/26/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	200 U	200 U	200 U
Barium	2000 MCL	19 J	17 J	7.2 J	13 J	11 J
Beryllium	4 MCL	5 U	5 U	5 U	5 U	5 U
Calcium	NL RSL	15000	8000	18000	4500 J	2800 J
Chromium	100 MCL	10 U	10 U	10 U	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	14 J	32	1.9 J	38	42
Iron	26000 RSL	420	23 R	450	100 U	100 U
Lead	15 MCL	10 U	10 U	10 U	2.6 R	3.6 J
Magnesium	NL RSL	2200 J	1400 J	2000 J	1200 J	760 J
Manganese	880 RSL	75	11 J	100	0.85 J	1.2 J
Nickel	730 RSL	40 U	1.2 J	40 U	1.4 J	1.1 R
Potassium	NL RSL	2600 J	2400 J	2500 J	1500 J	1200 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	7000	4900 J	6600	5200	4000 J
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	20 J	24 UJ	3.1 UJ	12 UJ	7.7 UJ
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 U	5 U	5 U	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-37	MG-GMP4-38	MG-GMP4-39	MG-GMP4-40	MG-GMP4-41
Property Address						
Well ID		MGPW099	MGPW112	MGPW110	MGPW094	MGPW095
Sample Type		10/27/2009	10/27/2009	10/28/2009	10/27/2009	10/27/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	80 J	200 U	200 U
Barium	2000 MCL	15 J	9.3 J	3.4 J	3.2 J	200 U
Beryllium	4 MCL	5 U	5 U	5 U	5 U	5 U
Calcium	NL RSL	4100 J	4000 J	27000	33000	25000
Chromium	100 MCL	10 U	10 U	10 U	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	4.3 J	8.8 J	6.8 J	4.3 J	25 U
Iron	26000 RSL	100 U	100 U	160	280	250
Lead	15 MCL	3.6 J	10 U	10 U	10 U	10 U
Magnesium	NL RSL	960 J	740 J	2400 J	2500 J	2800 J
Manganese	880 RSL	1.4 J	0.41 J	67	60	6.8 J
Nickel	730 RSL	40 U	40 U	40 U	40 U	40 U
Potassium	NL RSL	1400 J	1500 J	2500 J	1100 J	2500 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	4400 J	4300 J	10000	7600	5700
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	60 U	2.2 UJ	16 J	11 UJ	19 UJ
VOC (ug/L)						
Acetone	22000 RSL	5 U	5 U	5 UR	5 U	5 U
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Methylene Chloride	5 MCL	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-42	MG-GMP4-43	MG-GMP4-44	MG-GMP4-45	MG-GMP4-46
Property Address						
Well ID		MGPW096	MGPW097	MGPW116	MGPW124	MGPW118
Sample Type		10/27/2009	10/28/2009	10/28/2009	10/28/2009	10/28/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 UJ	5 UJ	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	36 R	200 U	120 J
Barium	2000 MCL	200 U	0.37 J	23 J	14 J	16 J
Beryllium	4 MCL	5 U	5 U	0.81 R	0.42 R	0.47 R
Calcium	NL RSL	26000	32000	6600	6200	7200
Chromium	100 MCL	10 U	10 U	10 U	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	1.1 J	0.87 R	35	24 J	33
Iron	26000 RSL	240	1300	120	100 U	81 J
Lead	15 MCL	10 U	10 U	2 J	2.1 R	2.5 J
Magnesium	NL RSL	2800 J	3000 J	2400 J	2200 J	2700 J
Manganese	880 RSL	7.2 J	120	15 J	2.3 J	6 J
Nickel	730 RSL	40 U	0.88 R	3.7 J	1.3 R	1.7 R
Potassium	NL RSL	2500 J	1500 J	3300 J	1700 J	1900 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	5700	6100	6300	6200	6900
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	20 UJ	8.7 J	6.9 J	13 J	53 J
VOC (ug/L)						
Acetone	22000 RSL	5 U	5 UR	5 U	5 UR	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.68	1.1
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ
Methylene Chloride	5 MCL	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ
Trichloroethene (Trichloroethylene)	5 MCL	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-47	MG-GMP4-48	MG-GMP4-49	MG-GMP4-50	MG-GMP4-52
Property Address						
Well ID		MGPW104	MGPW102	MGPW131	MGPW115	MGPW022
Sample Type		10/28/2009	10/28/2009	10/28/2009	10/28/2009	10/29/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 UJ	5 UJ	5 UJ	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	39 J	200 U	200 U	200 U	200 U
Barium	2000 MCL	16 J	18 J	19 J	14 J	12 R
Beryllium	4 MCL	0.8 UJ	0.47 R	5 U	5 U	12 J
Calcium	NL RSL	30000	26000	10000	16000	4300 R
Chromium	100 MCL	10 U	10 U	10 U	1.1 R	1.3 R
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	1.9 J	25 U	22 J	14 J	25 R
Iron	26000 RSL	820	870	18 R	100 U	1300 J
Lead	15 MCL	10 U	10 U	10 U	10 U	10 U
Magnesium	NL RSL	3400 J	3800 J	1200 J	1700 J	1300 R
Manganese	880 RSL	91	74	15 U	15 U	28 J
Nickel	730 RSL	40 U	40 U	40 U	40 U	1.8 R
Potassium	NL RSL	4300 J	4000 J	1900 J	2300 J	2200 R
Silver	180 RSL	10 U	10 U	10 U	10 U	3.6 R
Sodium	NL RSL	8800	7400	5700	6600	6600 J
Vanadium	260 RSL	50 U	50 U	0.72 R	0.59 R	50 U
Zinc	11000 RSL	15 J	60 U	5 J	11 J	10 R
VOC (ug/L)						
Acetone	22000 RSL	5 U	5 UR	5 UR	5 UR	5 U
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.69 J	0.5 UJ	0.5 UJ	0.5 U
Methylene Chloride	5 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-53	MG-GMP4-54	MG-GMP4-55	MG-GMP4-56	MG-GMP4-57
Property Address						
Well ID		MGPW010	MGPW073	MGPW072	MGPW071	MGPW064
Sample Type		10/28/2009	10/26/2009	10/26/2009	10/26/2009	10/26/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	200 U	200 U	200 U
Barium	2000 MCL	28 J	50 J	260	32 J	11 J
Beryllium	4 MCL	5 U	5 U	5 U	5 U	5 U
Calcium	NL RSL	26000	5400	13000	12000	47000
Chromium	100 MCL	10 U	10 U	10 U	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	19 J	3.3 J	16 J	25 J	5.3 J
Iron	26000 RSL	190	100 U	100 U	100 U	63 J
Lead	15 MCL	5.2 R	2.3 J	7.1 J	5.9 R	10 U
Magnesium	NL RSL	2900 J	2400 J	4100 J	2800 J	3400 J
Manganese	880 RSL	110	1.9 J	3.9 J	0.98 J	59
Nickel	730 RSL	40 U	40 U	40 U	1.1 J	40 U
Potassium	NL RSL	5000	1600 J	3200 J	2400 J	3300 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	7400	3500 J	6600	6100	8300
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	6.4 UJ	21 UJ	12 UJ	12 UJ	7.9 UJ
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 UR	5 UJ	5 UJ	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ	0.5 U
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5 MCL	0.5 UJ	0.5 U	0.61	1.1	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-58	MG-GMP4-59	MG-GMP4-60	MG-GMP4-61	MG-GMP4-62
Property Address						
Well ID		MGPW015	MGPW084	MGPW134	MGPW011	MGPW063
Sample Type		10/27/2009	10/27/2009	10/27/2009	10/27/2009	10/27/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	200 U	200 U	50 UJ
Barium	2000 MCL	18 J	27 J	56 J	20 J	12 J
Beryllium	4 MCL	5 U	5 U	5 U	5 U	0.85 UJ
Calcium	NL RSL	52000	33000	11000	39000	22000
Chromium	100 MCL	10 U	10 U	10 U	10 U	0.82 R
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	1.7 J	4 J	230	4.3 J	5.7 J
Iron	26000 RSL	80 J	100 U	180	400	320
Lead	15 MCL	10 U	10 U	12	10 U	10 U
Magnesium	NL RSL	3800 J	3700 J	2200 J	2600 J	2600 J
Manganese	880 RSL	48	35	18	61	88
Nickel	730 RSL	40 U	40 U	3.4 J	40 U	2.4 UJ
Potassium	NL RSL	4000 J	3600 J	2400 J	3300 J	3500 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	6500	6700	3900 J	5400	6400
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	8 UJ	100	170	4.8 UJ	4.8 UJ
VOC (ug/L)						
Acetone	22000 RSL	5 U	5 U	5 U	5 UJ	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Methylene Chloride	5 MCL	0.5 U	0.5 U	0.5 U	0.77	0.5 UJ
Trichloroethene (Trichloroethylene)	5 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-63	MG-GMP4-64	MG-GMP4-66	MG-GMP4-67	MG-GMP4-68
Property Address						
Well ID		MGPW107	MGPW106	MGPW017	MGPW123	MGPW121
Sample Type		10/27/2009	10/28/2009	10/26/2009	10/27/2009	10/27/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 UJ	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	200 U	200 U	76 UJ
Barium	2000 MCL	17 J	21 J	14 J	26 J	1.7 J
Beryllium	4 MCL	5 U	5 U	5 U	5 U	1.1 UJ
Calcium	NL RSL	12000	6800	3700 J	13000	21000
Chromium	100 MCL	1 R	10 U	10 U	10 U	1.8 R
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	13 J	16 J	18 J	85	2.5 J
Iron	26000 RSL	32 R	20 R	23 J	140	160
Lead	15 MCL	10 U	3.4 R	10 U	14	10 U
Magnesium	NL RSL	1600 J	1700 J	1800 J	1900 J	1700 J
Manganese	880 RSL	18	3.6 J	15 U	84	37
Nickel	730 RSL	40 U	1.1 R	1.3 R	1.5 R	1.4 R
Potassium	NL RSL	3100 J	2700 J	1400 J	2700 J	2500 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	4700 J	7200	3500 J	6500	8000
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	13 UJ	6.2 UJ	14 UJ	8.4 UJ	6.8 UJ
VOC (ug/L)						
Acetone	22000 RSL	5 U	5 UR	5 UR	5 U	5 U
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Methylene Chloride	5 MCL	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-69	MG-GMP4-70	MG-GMP4-71	MG-GMP4-72	MG-GMP4-73
Property Address						
Well ID		MGPW103	MGPW081	MGPW137	MGPW049	MGPW014
Sample Type		10/27/2009	10/29/2009	10/29/2009	10/29/2009	10/29/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	74 R	200 U	200 U	200 U	200 U
Barium	2000 MCL	5.3 J	34 J	22 J	59 J	43 J
Beryllium	4 MCL	1.3 UJ	5 U	5 U	5 U	5 U
Calcium	NL RSL	25000	5800	20000	9600	14000
Chromium	100 MCL	0.66 R	10 U	10 U	1 R	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	25 U	8.4 J	80	17 J	12 J
Iron	26000 RSL	42 J	820	540	270	30 UJ
Lead	15 MCL	10 U	10 U	10 U	2.5 R	2.8 R
Magnesium	NL RSL	1500 J	2700 J	3800 J	4900 J	7200
Manganese	880 RSL	1.3 J	6.9 J	55	4.4 J	0.45 J
Nickel	730 RSL	40 U	1.6 R	1.5 UJ	1.7 R	2.4 UJ
Potassium	NL RSL	2700 J	2600 J	3200 J	1800 J	2300 J
Silver	180 RSL	0.47 J	10 U	10 U	10 U	10 U
Sodium	NL RSL	6800	5400	4800 J	3900 J	4800 J
Vanadium	260 RSL	50 U	50 U	50 U	50 U	1 R
Zinc	11000 RSL	12 J	140	18 J	16 J	25 J
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 UR	5 UR	5 UR	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Methylene Chloride	5 MCL	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-74	MG-GMP4-75	MG-GMP4-76	MG-GMP4-77	MG-GMP4-78
Property Address						
Well ID		MGPW046	MGPW120	MGPW135	MGPW133	MGPW098
Sample Type		10/29/2009	10/29/2009	10/29/2009	10/26/2009	10/26/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	200 U	55 UJ	100 UJ
Barium	2000 MCL	44 J	42 J	13 J	32 J	40 J
Beryllium	4 MCL	5 U	5 U	5 U	0.9 UJ	1.1 R
Calcium	NL RSL	12000	8800	13000	23000	4400 J
Chromium	100 MCL	1.1 R	10 U	10 U	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	29	4.4 J	6.2 J	9.1 J	6.1 J
Iron	26000 RSL	3400	3900	1800	100 U	28 R
Lead	15 MCL	10 U	10 U	10 U	2.1 R	10 U
Magnesium	NL RSL	5300	4100 J	4100 J	4000 J	2000 J
Manganese	880 RSL	33	49	12 J	17	6.8 J
Nickel	730 RSL	1.5 R	40 U	40 U	1.2 R	0.89 UJ
Potassium	NL RSL	3700 J	3400 J	2200 J	4600 J	1500 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	4900 J	4100 J	3200 J	6200	5900
Vanadium	260 RSL	0.52 R	50 U	50 U	50 U	50 U
Zinc	11000 RSL	40 J	7.2 J	32 J	9.2 UJ	9.9 UJ
VOC (ug/L)						
Acetone	22000 RSL	110	5 U	5 U	5 UJ	5 UR
Bromoform	80 *	3.8	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.44 J	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 UR	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.51	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 U	0.5 U	0.88	0.5 U
Methylene Chloride	5 MCL	0.5 U	0.53 U	0.78 U	0.57	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UR	0.5 U	0.5 U	0.5 U	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-79	MG-GMP4-80	MG-GMP4-81	MG-GMP4-82	MG-GMP4-83
Property Address						
Well ID		MGPW113	MGPW053	MGPW060	MGPW058	MGPW126
Sample Type		10/28/2009	10/28/2009	10/28/2009	10/29/2009	10/29/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	200 U	200 U	200 U
Barium	2000 MCL	34 J	9.3 J	29 J	26 J	24 J
Beryllium	4 MCL	5 U	5 U	5 U	5 U	5 U
Calcium	NL RSL	6500	48000	59000	14000	10000
Chromium	100 MCL	1 UJ	10 U	10 U	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	1.4 J	50 U
Copper	1300 MCL	10 J	1 J	4.1 J	7.5 J	13 UJ
Iron	26000 RSL	30 UJ	560	46 UJ	120	100 U
Lead	15 MCL	10 U	10 U	10 U	10 U	10 U
Magnesium	NL RSL	2400 J	3000 J	4500 J	2300 J	2200 J
Manganese	880 RSL	4.1 J	140	110	25	15 U
Nickel	730 RSL	2 UJ	40 U	1.7 R	4.7 UJ	40 U
Potassium	NL RSL	2100 J	3400 J	6000 J	3500 J	2300 J
Silver	180 RSL	0.93 UJ	10 U	10 U	10 U	10 U
Sodium	NL RSL	4800 J	7800	12000	5100	5000 J
Vanadium	260 RSL	0.58 J	50 U	50 U	50 U	50 U
Zinc	11000 RSL	11 J	13 J	14 J	8.2 J	8.1 J
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 UR	5 UR	5 UR	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Methylene Chloride	5 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-84	MG-GMP4-85	MG-GMP4-86	MG-GMP4-87	MG-GMP4-88
Property Address						
Well ID		MGPW059	MGPW130	MGPW100	MGPW109	MGPW065
Sample Type		10/29/2009	10/29/2009	10/29/2009	10/28/2009	10/28/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 UJ
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	200 U	200 U	28 R
Barium	2000 MCL	22 J	13 J	32 J	130 J	10 J
Beryllium	4 MCL	5 U	5 U	5 U	5 U	0.56 UJ
Calcium	NL RSL	8100	5300	8400	8100	8600
Chromium	100 MCL	10 U	10 U	10 U	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	39	35	8.5 J	8.3 J	12 J
Iron	26000 RSL	100 U	590	530	20 R	240
Lead	15 MCL	3.4 R	4.8 J	10 U	10 U	10 U
Magnesium	NL RSL	1500 J	1600 J	3600 J	3100 J	2400 J
Manganese	880 RSL	3.3 J	19	3.7 J	23	30
Nickel	730 RSL	1.3 R	5.2 UJ	40 U	1.4 UJ	0.64 R
Potassium	NL RSL	2200 J	1700 J	1900 J	1900 J	2900 J
Silver	180 RSL	10 U	10 U	0.73 UJ	10 U	10 U
Sodium	NL RSL	4600 J	5300	6000	4100 J	6500
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	3.9 J	470	19 J	14 J	40 J
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 U	5 U	5 U	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
Methylene Chloride	5 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-90	MG-GMP4-91	MG-GMP4-92	MG-GMP4-93	MG-GMP4-94
Property Address						
Well ID		MGPW050	MGPW048	MGPW047	MGPW132	MGPW004
Sample Type		10/29/2009	10/29/2009	10/29/2009	10/27/2009	10/29/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 U	5 U	5 U
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	200 U	51 R	200 U
Barium	2000 MCL	53 J	15 J	14 J	34 J	8.5 J
Beryllium	4 MCL	5 U	5 U	5 U	0.84 R	5 U
Calcium	NL RSL	41000	12000	11000	9400	5300
Chromium	100 MCL	10 U	10 U	10 U	0.87 R	1 J
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	22 J	9.6 UJ	8 UJ	28	53
Iron	26000 RSL	100 U	100 U	100 U	130	460
Lead	15 MCL	10 U	10 U	10 U	2.2 J	10 U
Magnesium	NL RSL	3200 J	2200 J	2600 J	4200 J	1600 J
Manganese	880 RSL	8.8 J	1.9 J	0.79 J	4.4 J	8.4 J
Nickel	730 RSL	40 U	40 U	40 U	2.5 R	40 U
Potassium	NL RSL	1800 J	1900 J	2100 J	2300 J	1500 J
Silver	180 RSL	10 U	10 U	10 U	10 U	1.1 UJ
Sodium	NL RSL	4400 J	5400	4900 J	6200	4400 J
Vanadium	260 RSL	50 U	50 U	50 U	50 U	0.54 J
Zinc	11000 RSL	9.2 J	34 J	5 J	200	86
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 UR	5 UR	5 UR	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	4	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Methylene Chloride	5 MCL	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Sample ID	Health Based Screening Criteria	MG-GMP4-95	MG-GMP4-96	MG-GMP4-97	MG-GMP4-98	MG-GMP4-99
Property Address						
Well ID		MGPW005	MGPW006	MGPW057	MGPW101	MGPW129
Sample Type		10/29/2009	10/29/2009	10/28/2009	10/28/2009	10/28/2009
Collection Date		Field Sample	Field Sample	Field Sample	Field Sample	Field Sample
Matrix		Potable Water	Potable Water	Potable Water	Potable Water	Potable Water
SVOC (ug/L)						
Bis(2-ethylhexyl) phthalate	6 MCL	5 U	5 U	5 UJ	5 UJ	5 UJ
Metals, Total (ug/L)						
Aluminum	37000 RSL	200 U	200 U	200 U	200 U	200 U
Barium	2000 MCL	0.38 J	7.2 J	8.8 J	16 J	4.6 J
Beryllium	4 MCL	5 U	5 U	0.35 R	5 U	0.44 R
Calcium	NL RSL	9500	22000	18000	4400 J	4800 J
Chromium	100 MCL	10 U	10 U	10 U	10 U	10 U
Cobalt	11 RSL	50 U	50 U	50 U	50 U	50 U
Copper	1300 MCL	86	2 UJ	2.2 J	20 J	84
Iron	26000 RSL	100	140	280	55 UJ	100 U
Lead	15 MCL	10 U	10 U	10 U	10 U	4.1 J
Magnesium	NL RSL	2700 J	2500 J	2300 J	1200 J	1500 J
Manganese	880 RSL	15 U	0.66 J	83	15 U	1.9 J
Nickel	730 RSL	40 U	40 U	40 U	1.1 R	0.66 R
Potassium	NL RSL	1600 J	1900 J	3600 J	1600 J	1800 J
Silver	180 RSL	10 U	10 U	10 U	10 U	10 U
Sodium	NL RSL	6500	7400	6700	4200 J	5200
Vanadium	260 RSL	50 U	50 U	50 U	50 U	50 U
Zinc	11000 RSL	12 J	140	60 U	7.6 J	27 J
VOC (ug/L)						
Acetone	22000 RSL	5 UR	5 UR	5 UR	5 UR	5 UR
Bromoform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	8.7 RSL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Chloroform	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	70 MCL	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Dibromochloromethane	80 *	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	390 RSL	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
Methyl T-Butyl Ether (MTBE)	12 RSL	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Methylene Chloride	5 MCL	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
Trichloroethene (Trichloroethylene)	5 MCL	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ

TABLE 3
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF POTABLE WELL ANALYTICAL RESULTS

Notes:

- bold - Analyte was detected
- bold and shaded - Analyte concentration exceeds the associated Health Screening Level
- GMP4 - Groundwater Monitoring Program 4th Quarter Sampling
 - * - Trihalomethanes; the sum total detected concentration from bromodichloromethane, bromoform, chloroform, and dibromochloromethane should be compared to the MCL (80 ug/L)
- HA - Health Advisory
 - J - The identification of the analyte is acceptable; the reported value is an estimate.
- MCL - Federal Drinking Water Maximum Contaminant Limit
- MG - Mills Gap
- RSL - http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm
- U - Analyte was analyzed for but not detected above the associated value
- ug/L - Micrograms per liter
- VOC - Volatile Organic Compounds
- NL - No limit
- CLP - Contract Laboratory Program
- R - Rejected value
- SVOC - Semivolatile Organic Compounds

TABLE 4
MILLS GAP POTABLE WELL SAMPLING (4th QUARTER)
SUMMARY OF QUALITY ASSURANCE/QUALITY CONTROL SAMPLE ANALYTICAL RESULTS

Sample ID	MG-GMP4MB-01	MG-GMP4PB-02	MG-GMP4TB-01	MG-GMP4TB-02	MG-GMP4TB-03	MG-GMP4TB-04	MG-GMP4TB-05
Property Address	MG-GMP4MB-01	MG-GMP4PB-02	MG-GMP4TB-01	MG-GMP4TB-02	MG-GMP4TB-03	MG-GMP4TB-04	MG-GMP4TB-05
Well ID	#R4DART#	#R4DART#	#R4DART#	#R4DART#	#R4DART#	#R4DART#	#R4DART#
Sample Type	10/22/2009	10/29/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009	10/23/2009
Collection Date	Lab QC	Preservative Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank	Trip Blank
Matrix							
Metals, Total (ug/L)							
Silver	0.74 J	3.1 UJ	NA	NA	NA	NA	NA
VOC (ug/L)							
Chloromethane	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.35 J
Methylene Chloride	NA	NA	0.54 J	0.5 UJ	0.5 UJ	0.5 U	0.53 U

Notes:

- GMP4 - Groundwater Monitoring Program 4th Quarter Sampling
- J - The identification of the analyte is acceptable; the reported value is an estimate.
- NA - Not analyzed
- SVOC - Semivolatile Organic Compounds
- U - Analyte was analyzed for but not detected above the associated value
- ug/L - Micrograms per liter
- VOC - Volatile Organic Compounds

ATTACHMENT C

LOGBOOK NOTES

(84 Pages)



ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

**T N & Associates, Inc.**

Engineering and Science

Na

Ryan C. Stubbs

Environmental Scientist

Ad

1220 Kennestone Circle, Suite D

678 • 355-5550

Marietta, GA 30066

Ext. 5701

Ph:

E-mail: rstubbs@tnainc.com

Fax 770 • 528-0167

Cellular 678 • 255-5544

Project

Mills Gap Assessment

TDD: TNA: 05-003-0055

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

Specifications for this book

Page Pattern		Cover Options	
Left Page	Right Page	Polysure Cover	Fabricated Cover
Columnar	14 Grid	Item No. 550	Item No. 550F

© 1996 J. L. CARLING CORP.

CONTENTS

Reference Page Index

147	Error codes, Hazardous classifications, Container types
148	Sampling guidelines (Liquids)
149	Sampling guidelines (Solids)
150	Approximate volume of Water in Casing or Hole, Ground Water Monitoring Well
151	PVC Pipe casing tables
152	Soil Classification
153	Soil Classification
154	Conversions (Length, Weight, Volume, Temp, etc.)
155	Conversions (Concentrations, Volume/Flow or Time, Velocity, Acceleration)
156	Maximum Concentration of Contaminants for the Toxicity Characteristic

Location Marietta, GA Date 08/20/09
 Project / Client Hills Gap / EPA R4
 Communication with RPM-Wendel

1100 START-Stubbs communicated with RPM-Wendel on the phone regarding a map she needed about the new well () showing ICE contamination at 842 ppb which was sampled on 08/17/09. RPM-Wendel said the ERT-Dan Buser said the residents at () did receive an access agreement but refused.

N. J. Kelly
 08/20/09

Location Marietta, GA Date 10/23/09
 Project / Client Hills Gap
 Field Prep for 4th Quarter

Preservatives to be used in preserving for metal is HNO_3 with Lot # H14024 manufactured by JT Baker and supplied by ESS. NaOH Lot # G35022 by JT Baker and supplied by ESS will be used to preserve for cyanide analysis. These preservatives will be used during the 4th quarter sampling event. START Berrios prepared

trip blanks: Time
 Trip Blank 01 - 1602
 02 - 1605
 03 - 1607
 04 - 1617
 05 - 1619

N. J. Kelly
 10/23/09

Location Marietta, GA

Date 10/26/09

Project / Client Mills Gap

4th Quarter sampling event

- 0645 START Stubbs departed
Acworth, GA for Asheville, NC.
START Miolen, Berrios and
G. Kowalski also mobilizing
to Asheville, NC separately.
- 1100 START Stubbs arrived in
the Earth Fare parking lot.
START Kowalski, Miolen &
Berrios already there. Wes
King of Buncombe County
there as well. RS
- 1115 SESD - Tim Simpson, Jon
Vail, Phyllis Meyer and
Mike Bowden arrive.
Go over game plan and
sampling teams and calibrate
meters.

Stubbs
10/26/09

Location

Date 10/26/09

Project / Client

MG-GMP4-66

- 1340 START Stubbs & SESD
Mike Bowden began purging
from the spigot on the end
of the house.

	pH	Temp.	Cond.	Turb.
1345	5.91	14.6	56.6	0.27
1351	5.94	14.4	53.5	0.30
1354	5.95	14.3	54.1	0.16
1358	5.94	14.3	53.8	0.15
1400	5.93	14.3	53.1	0.37

- 1405 START Stubbs collected
MG-GMP4-66 & RS
- 1407 START Stubbs collected
duplicate MG-GMP4-107.
An 8 oz. glass jar was
used to collect water to
fill the 1-Liter ambers
and polys.

Stubbs
10/26/09

Location Asheville, NC

Date 10/24/09

Project / Client Mills Gap

/MG-GMP4-09

1450^{RS} Temp pH Cond. Turb.

1450 15.1 7.75 208.1 0.36

1455 15.1 7.75 208.1 0.41

1458 16.3 7.05 191.1 0.32

1500 16.3 7.26 201.3 0.33

1504 16.5 7.25 200.3 0.20

1506 16.4 7.26 199.9 0.42

1510 START Stubbs collected
MG-GMP4-09 directly from the
spigot on the wellhead.

10/26/09 [Signature]

Location _____ Date 10/26/09

/MG-GMP4-10

1530 Temp pH Cond. Turb. MG-GMP4-101

1530 16.2 7.27 215.7 0.42

1534 15.9 7.37 216.2 1.03

1536 15.5 7.39 217.2 1.05

1539 15.5 7.34 216.2 1.22

1542 15.3 7.38 216.8 0.46

545 START Stubbs collected
MG-GMP4-10 directly from
the spigot on the wellhead

550 START Stubbs collected
duplicate MG-GMP4-101.

10/26/09 [Signature]

Location Asheville, NC

Date 10/26/09

Project / Client Miller Gas

/MG-GMP4-11

1627 Began purging from the
 as spigot next to the wellhead.

1629	Temp.	pH	Cond.	Turb.
1629	13.9	7.58	214.7	1.80
1633	14.5	7.60	214.2	2.22
1635	15.5	7.57	214.2	1.90
1637	15.5	7.53	214.0	1.97
1640	16.1	7.52	213.8	1.93
1645	START Stubbs collected			
	MG-GMP4-11 directly from			
	the spigot.			

10/26/09

Date 10/24/09

/MG-GMP4-12

1712 Began purging from the spigot
 located on the exterior of
 the house next to the

as A/C unit.

1714	Temp	pH	Cond.	Turb.
1714	14.6	5.69	64.4	1.93
1719	14.3	5.71	63.7	0.08
1724	14.5	5.70	62.7	0.07
1725	14.4	5.72	62.8	0.31
1727	14.4	5.70	62.1	0.06
1730	START Stubbs collected			
	MG-GMP4-12 directly from			
	the spigot.			
1745	All START sample processing			
2030	End of day.			

10/26/09

Location Asheville, NC
Project / Client Mills Gap

Date 10/27/09

Weather: 51°F + rainy, supposed to get up to 2 inches of rain today.

0715 START Stubbs, Kowalski, Mizlen + Berrios finish prepping organic coolers for shipment. RS

0810 START Stubbs + Kowalski delivered 6 organic coolers to FedEx + then purchased ice. RS

0825 All SESD personnel + START at sample processing station prepping to begin sampling. RS

10/27/09
[Signature]

Location _____ Date 10/27/09

MG-GMP4-13

0845 START Stubbs + SESD Bowden arrived and there is no spigot on the wellhead. Had to purge and collect sample from the tap on the kitchen.

	Temp	pH	Cond	Turb
0859	13.9	6.09	114.3	56.3
0903	13.9	7.16	200.9	1.68
0906	13.9	7.16	200.4	1.68
0910	15.6	7.15	199.9	14.3
0912	15.3	7.15	200.6	2.73

0915 START Stubbs collected MG-GMP4-13 from the kitchen tap. RS

0920 START Stubbs collected duplicate MG-GMP4-102.

10/27/09
[Signature]

Location Asheville, NC

Date 10/27/09

Mills Gen

/MG-GMP4-14

0935 START Stubbs + SESD Bowden arrived and waited at gate to be let on property.

0950 Began purging from spigot on side of house as there is no spigot on wellhead.

Temp. pH Cond. Turb.

0955 16.0 6.37 56.9 2.73

0957 13.5 6.52 54.5 2.36

0959 13.3 6.52 53.9 2.42

1002 13.4 6.41 53.7 1.73

1005 START Stubbs collected MG-GMP4-14 directly from the spigot. Mr. [redacted] confirmed this spigot is unfettered water. Well is 100 feet deep per Mr. [redacted]

10/27/09

Date 10/27/09

Project / Client

/MG-GMP4-15

1029 Began purging from spigot on well head. Pumped stopped.

1037 Resumed purging after having to turn on spigot next to the pressure tank as well.

1038 Temp. pH Cond. Turb.

1038 14.3 7.24 220.3 1.73

1040 14.7 7.29 220.3 3.47

1042 14.9 7.26 220.4 2.54

1045 14.9 7.26 220.6 1.84

1047 14.9 7.26 220.9 1.53

1050 START Stubbs collected MG-GMP4-15 directly from the spigot on the well head.

10/27/09

Location Asheville, NC
Miller Co.

Date 10/27/09

/MG-GMP4-16

1220 Began purging from spigot
on wellhead. RS

	Temp	pH	Cond.	Turb.
1224	13.8	6.16	135.7	1.53
1226	14.3	6.20	136.3	0.58
1229	14.3	6.19	136.2	0.94
1231	14.2	6.19	136.3	0.60
1233	14.3	6.18	136.1	0.56

1235 START collected MG-GMP4-16
directly from the spigot on
the wellhead. Did find a
well plate on the wellhead
stating the well was drilled
in 1985, total depth of
328 feet with a casing
depth of 61 feet.

N. Stet
10/27/09

Project: Client:

/MG-GMP4-41 (MS/MSD)

1259 Began purging from the
spigot on the wellhead.

	Temp	pH	Cond.	Turb.
1301	14.5	7.59	184.7	0.56
1303	13.9	7.63	184.8	4.74
1305	13.9	7.64	184.8	4.40
1307	14.1	7.63	185.1	4.69
1310	14.2	7.67	185.1	4.52

1315 Start stubbs collected
MG-GMP4-41 and MS/MSD.
Well head is located in
log cabin style well house.

N. Stet
10/27/09

Location Asheville, NC

Date 10/27/09

Project / Client

Mills Gap

/MG-GMP4-40

1402 Began purging from the
spigot on the well head.

Temp pH Cond Turb.

1403 13.6 7.76 217.8 4.52

1406 14.8 7.71 217.9 1.81

1410 15.7 7.72 217.7 1.31

1412 15.6 7.70 217.6 1.30

1415 15.7 7.74 217.9 1.23

1420 START Stubbs collected
MG-GMP4-40 directly
from the well head spigot.
Faux rock covering well head.10/27/09
J. P. Smith

Location

Date 10/27/09

Project / Client

/MG-GMP4-42

1435 Began purging from the
spigot on the well head

Temp pH Cond Turb.

1437 12.3 7.61 214.2 5.30

1440 13.8 7.65 213.6 2.59

1442 14.3 7.67 213.4 2.23

1444 14.8 7.67 213.4 1.18

1446 15.1 7.65 213.2 1.02

1450 START Stubbs collected
MG-GMP4-42 directly from
the spigot on the well head.
Faux rock over well head.10/27/09
J. P. Smith

Location Asheville, NC
Project / Client Mills Gap

Date 10/27/09

- 1500 START sample processing.
1845 Sample processing complete.
6 organic coolers + 7 inorganic
coolers delivered to FedEx
Kirkos. RS
1900 End of day

10/27/09

Location _____ Date 10/28/09

Project / Client _____

Day 3 of 4th Quarter sampling event

- 0645 Weather: 53°F + partly cloudy,
a high of 67°F expected.
Humidity currently 95%.
1715 All START (Stubbs, Kowalski,
Berrios + Miquel) departing
hotel to set up the sample
processing station and to
resume sampling.

10/28/09

Location Asheville, NC

Date 10/28/09

Project / Client

Mills Gap

MG-GMP4-43

0836 START Stubbs + SESD
Bowlen arrived and began
purging from the spigot
on the well head.

	Temp	pH	Cond.	Turb.
--	------	----	-------	-------

0838	13.3	7.64	214.8	1.18
------	------	------	-------	------

0841	15.7	7.65	214.6	0.68
------	------	------	-------	------

0844	15.9	7.69	213.8	0.50
------	------	------	-------	------

0848	16.0	7.70	213.8	0.68
------	------	------	-------	------

0850	16.1	7.69	214.0	0.48
------	------	------	-------	------

0855 START Stubbs collected
MG-GMP4-43 directly from
the spigot on the well head.
If facing the front of the
house the well head is
located off the back left
corner of the house.

N. Stubbs
10/28/09

Location

Date 10/28/07

Project / Client

MG-GMP4-19

0926 Began purging from the
spigot near the well head
on the back of house.

	Temp	pH	Cond.	Turb.
--	------	----	-------	-------

0922	21.8	5.89	37.6	0.48
------	------	------	------	------

0925	21.5	5.89	36.8	1.18
------	------	------	------	------

0927	20.8	5.91	36.1	2.04
------	------	------	------	------

0930	19.5	5.88	34.6	3.05
------	------	------	------	------

0932	18.3	5.88	34.9	3.54
------	------	------	------	------

0934	17.4	5.89	35.2	5.60
------	------	------	------	------

0936	16.8	5.89	35.6	6.17
------	------	------	------	------

0938	16.3	5.89	35.8	5.41
------	------	------	------	------

0940	16.1	5.88	35.6	4.88
------	------	------	------	------

0945 START Stubbs collected
MG-GMP4-19 directly from
the spigot near the
wellhead.

N. Stubbs
10/28/09

Location Asheville, NC
Miller Run

Date 10/28/09

[redacted] / MG-GMP4-18

1002 Began purging from the stick up
spigot near the wellhead that
is directly adjacent to garage.

Temp pH Cond. Turb.

1005 13.9 5.95 55.8 0.42

1008 13.9 6.01 55.6 1.24

1010 14.0 6.60 54.9 1.70

1012 13.9 5.99 54.2 5.50

1014 14.0 6.00 53.8 5.69

1018 START stubbs collected
MG-GMP4-18 directly
from the stick up spigot.

10/28/09
[Signature]

Location _____ Date 10/28/09

Project/Client [redacted] / MG-GMP4-20 (MS/MSD)

1042 Began purging at the wellhead
in the shed behind the
house. RS

RS

Temp pH Cond Turb.

1043 13.1 6.68 126.5 1.82

1046 14.2 6.71 126.5 4.20

1048 13.7 6.72 125.6 2.60

1051 14.1 6.69 123.9 3.16

1054 13.7 6.71 125.3 2.88

1057 START stubbs collected
MG-GMP4-20 plus MS/MSD
directly from the spigot
at the wellhead.

10/28/09
[Signature]

Location Asheville, NC

Date 10/28/09

Project / Client Mills Gap

[redacted] / MG-GMP4-21

1118 Began purging from the spigot on the exterior of the house. This spigot is to the right if you are facing the front door. RS

	Temp.	pH	Cond.	Turb.
1119	14.2	7.72	177.5	0.47

1122	15.0	7.78	179.7	0.41
------	------	------	-------	------

1125	15.1	7.73	179.1	0.40
------	------	------	-------	------

1128	15.2	7.79	180.2	0.16
------	------	------	-------	------

1130	15.4	7.80	181.3	0.43
------	------	------	-------	------

1133 START Stubbs collected MG-GMP4-21 directly from the spigot. Looked in the well house and there is not a spigot at the well head. This well serves

N. Huff
10/28/09

Date 10/28/09

Project / Client

[redacted] / MG-GMP4-22

1259 Began purging from spigot on the front side of the trailer.

	Temp.	pH	Cond.	Turb.
1300	15.1	7.81	183.0	0.43

1303	15.0	7.77	184.4	0.40
------	------	------	-------	------

1306	15.5	7.83	184.8	0.30
------	------	------	-------	------

1308	15.6	7.83	185.0	0.34
------	------	------	-------	------

1311	15.7	7.79	185.5	0.30
------	------	------	-------	------

1315 START Stubbs collected MG-GMP4-22 directly from the spigot. RS

1320 START Stubbs collected Duplicate MG-GMP4-103.

N. Huff
10/28/09

Location Asheville, NC

Date 10/28/09

Project / Client

Mills Gap

/MG-GMP4-24

- 1346 Began purging from the
spigot under the deck.
- | | Temp | pH | Cond | Turb. |
|------|------|------|-------|-------|
| 1348 | 14.8 | 6.28 | 135.6 | 1.14 |
| 1351 | 14.8 | 6.20 | 131.3 | 0.43 |
| 1354 | 14.6 | 6.17 | 131.7 | 0.34 |
| 1356 | 15.1 | 6.15 | 126.0 | 0.31 |
| 1400 | 14.8 | 6.22 | 126.3 | 0.47 |
- 1405 START stubbs collected
MG-GMP4-24 from the
tap at the kitchen sink
as it was accessible to
sample from the spigot
under the deck. The last
set of readings was from
the kitchen tap.

10/28/09
Mills

Location

Date

10/28/09

Project / Client

- 1420 START stubbs, Haden +
Berrios processing samples
for today's shipment
- 1745 End of day. 6 organic
coolers + 4 inorganic coolers
were shipped.

10/28/09
Mills

Location Asheville, NC

Date 10/29/09

Project / Client

Mills Gap

0640 Weather: 45°F + foggy,
high of 68°F and partly
cloudy is the forecast.

0730 All START setting up sample
processing station and prepping
to resume sampling.

10/29/09
[Signature]

Location

Date 10/29/09

Project / Client

MG-GMP4-23

0825 Began purging from the
spigot in the basement
before the filter.

	Temp.	pH	Cond.	Turb.
0829	13.2	6.82	109.1	220
0834	13.6	6.77	105.0	136
0837	13.6	6.78	105.2	59.6
0841	13.9	6.87	111.5	27.6
0845	13.7	6.82	103.5	133
0849	13.5	6.81	103.4	107
0854	13.6	6.80	103.2	101

0900 START Stubbs collected
MG-GMP4-23 directly from
the spigot. Purged for 30
minutes and still could not
get turbidity to decrease.

10/29/09
[Signature]

Location Asheville

Date 10/29/09

Mills Run

/MG-GMP4-86

0921 Began purging from the spigot near the well head in the well house behind carport. RS

	Temp.	pH	Cond.	Turb.
0923	7.7	6.30	108.3	1.23
0926	12.7	5.94	117.5	8.96
0930	12.8	5.95	117.3	6.52
0934	12.7	5.94	117.2	8.83
0937	12.7	5.95	117.6	7.73
0940	START Stubbs collected MG-GMP4-86 directly from the spigot.			

10/29/09
N. A. Huff

Location

Date 10/29/09

Mills Run

/MG-GMP4-90

002 Began purging from the spigot on the well head. Well head in concrete cylinder off the end of the turnaround in the driveway. RS

	Temp.	pH	Cond.	Turb.
003	13.7	5.61	86.3	0.45
005	13.7	5.58	82.2	0.34
008	14.5	5.60	87.1	0.32
010	14.6	5.93	124.7	0.35
012	14.6	6.10	145.4	0.34
014	14.5	6.40	193.5	0.41
017	14.6	6.40	211.8	0.33
020	START Stubbs collected MG-GMP4-90 directly from the spigot. <u>RS</u>			

10/29/09
N. A. Huff

Location Asheville, NC

Date 10/29/09

Project / Client

Mills Gao

/MG-GMP4-91

1034 Began purging from the spigot on the wellhead. Well head in concrete cylinder off driveway. RS

	Temp.	pH	Cond	Turb.
1035	13.5	6.05	121.9	0.33
1037	13.7	6.05	121.9	0.41
1039	13.8	6.08	121.3	0.34
1041	13.9	6.03	121.2	0.37
1044	13.9	6.03	120.5	0.37

1048 START Stubbs collected MG-GMP4-91 directly from the spigot.

J. Stubbs
10/29/09

Location

Date 10/29/09

Project / Client

/MG-GMP4-92

1102 START began purging from the spigot on the wellhead.

	Temp.	pH	Cond	Turb.
1103	14.3	5.92	116.2	0.33
1105	13.9	5.94	116.1	0.27
1107	13.9	5.92	115.9	0.36
1110	13.9	5.92	115.9	0.30
1112	14.0	5.96	116.4	0.32

1115 START Stubbs collected MG-GMP4-92 directly from the spigot but had ~~us~~ RS to utilize a 8 oz. glass jar to fill the 1 liter ambers and poly due to the angle of the spigot.

J. Stubbs
10/29/09

120

Location

Asheville, NC

Date

10/29/09

Project / Client

Mills Gap

- 1130 START Stubbs assisted with sample processing
- 1630 Sample processing complete
START breaking down processing station.
- 1730 All START delivered samples to FedEx (7 org + 4 inorg coolers). RS
- 1745 START Stubbs + Berrios headed to sample last well at [redacted]

10/29/09
[Signature]

Location

Asheville, NC

Date

10/29/09

121

Mills Gap

[redacted] / MG-GMP4-52

- 1808 Began purging from spigot on side of house. Owner removed filter. RS
- | | Temp. | pH | Cond. | Turb. |
|------|-------|------|-------|-------|
| 1809 | 14.7 | 6.57 | 39.9 | 7.65 |
| 1811 | 14.5 | 6.43 | 39.8 | 2.56 |
| 1815 | 14.4 | 6.28 | 36.1 | 4.39 |
| 1817 | 14.4 | 6.23 | 36.4 | 4.47 |
| 1821 | 14.6 | 6.27 | 36.5 | 6.72 |
- 1825 START Stubbs collected MG-GMP4-52 directly from the spigot.

10/29/09
[Signature]

122

Location

Asheville, NC

Date

10/29/09

Project / Client

Mills Gap

1900

START Stubbs & Berriss
back processing last
sample in the hotel
parking lot.

RS

1930

End of day. 95 wells
sampled this week.

10:15
10/29/09
B. Berriss

123

Location

Date

Project / Client

Name Mills GAP

Address Asheville (Sevier), N.C.

Phone _____

Project _____

Summary: *See this page for more information.*

Page Patient		Cover Options	
Left Page	Right Page	Polydura Cover	Fabroid Cover
Order No.	1/4" Grid	Item No. 55G	Item No. 55OF

PAGE	REFERENCE	DATE
	Candlyn - EPA 404-210-3493 clean - low w	
	NS	
	14 Forest - Brooks - 828-676-0019	

147 Error codes, Hazardous classifications, Container types
148 Sampling guidelines (Liquids)
149 Sampling guidelines (Solids)
150 Approximate Volume of Water in Casing or Hole, Ground Water Monitoring Well
151 PVC Pipe casing tables
152 Soil Classification
153 Soil Classification
154 Conversions (Length, Weight, Volume, Temp, etc.)
155 Conversions (Concentrations, Volume/Flow or Time, Velocity, Accelerations)
156 Maximum Concentration of Contaminants for the Toxicity Characteristic

Location Ashville NC Date 7/6-9
 Project / Client Mills GAP

14:25

(RE sample LOCATION)

FULL SWEEP ANALYSIS

- SPIGOT - RT SIDE OR
 HOUSE WHEN FACING -

14:26- FLOW 5901 / 105 sec -

RS

Time	Temp °C	COND µS/cm	pH	TURB NTU	Time
14:28	21.67	73	4.12	51.6	14:28
14:31	19.95	71	3.28	47.0	14:31
14:34	18.93	69	2.68	41.9	14:34
14:37	17.86	67	2.04	31.9	14:37 [Ⓢ]
14:40	17.31	65	1.62	22.9	14:40
14:43	17.17	65	1.54	8.45	
14:46	16.24	61	1.46	6.35	
14:49	16.48	62	1.71	6.97	

~~14:51~~

RS

~~14:54~~

RS

~~14:57~~

RS

14:50 - Sample Time -

MG - Gmp.

RS

RS

Location Mills Gap Date 10/26/09
 Project / Client Orchid Sampling
Ashville, NC

0700 START Kowalski DEPARTS ATL.

FOR ASHVILLE, NC

1045 Meet UP WITH STANLEY R. STUBBS,
 N.B. CARTER, A. MIDDLE & WESLEY
 (W/CONY) AT CANTHARUS (US 25 & MILLS GAP)1110 Meet UP WITH SESSO TEAM AT SAME
 LOCATION & DISCUSS STRATEGY & LOGISTICS.

1230 Lunch.

1300 Head TO [REDACTED] SAMPLE TEAM
 Hoes W/ 113. START G. Kowalski & Phil
 Maxon.

1310 Arrive AT [REDACTED] Set UP.

See Next Pg FOR Readings.

1318 Begin Puck & Litch SPIGOT AT WALL HEAD
 See Next Pg.

Location _____

Date 10/26/09

Project / Client Mills Gap 4th Qtr

MG-GMP4-55 & MG-GMP4-106 (DUPE)

TIME	PH	TEMP	COND	TURB	PURGE
1320	5.62	15.9	153.5	0.46	0.5 gal
1327	5.62	15.9	153.5	0.35	3 gal
1331	5.62	15.9	153.5	0.01	6 gal
1334	5.62	15.9	153.5	0.28	9 gal
1337	5.62	15.9	153.5	0.40	12 gal

1340 Collect Samples 15 gal

1400 Preserve Metals (Nitric Acid) AND
C-SAMPLES (NaOH)1415 With Samples ON ICE IMMEDIATELY
After Collection - Delivery TO N.B.C.
To Process.

Note: Discover Water Qual Monitor No-Function
At This Location (Above Readings
ARE SUSPECT. BECAUSE INADEQUATE PURGE
VOLUME COLLECTED, SAMPLE CONSIDERED INVALID.
NO PRESSURE TANK ON WELL HEAD

Photos 2091: House, 2092: Well Loc.

Location _____

Date 10/26/09

Project / Client Mills Gap 4th Qtr

- MG-GMP4-02

1430 Arrive At _____ INVESTIGATE
Well Head. New Pressure Tank Added &
WET INSULATION & ANTS GONS. Well Head
Well Head From Monitor 30' Above Well.

1450 Begin Purge

TIME	PH	TEMP	COND	TURB	PURGE
1455	5.62	21.7	58.5	0.56	2.5 gal
1458	5.62	21.7	58.5	0.26	5 gal
1459	0.36	92	92	0.26	5 gal

1500 6.00 13.4 92.5 0.26 5 gal

1503 5.91 13.3 92.3 0.31 8 gal

1506 6.02 13.5 91.5 0.40 11 gal

1509 6.02 13.5 91.5 0.29 13 gal

1512 6.04 13.6 91.2 0.33 15 gal

1515 SAMPLE MG-GMP4-02

Photos 2093: Back of House & Well
2094: Well Head

1540 Arrive At Well Location In Comp. Area
Vault To ^{Right} Left Of House. Pumping / Sampling
From Saigon On Well Head (No Tank).

1548 Begin Pumping Well

TIME	PH	TEMP	COND	TURB	Vol / Pump
1551	5.75	13.2	71.4	0.33	2 gal.
1554	5.79	13.7	71.5	0.29	4.5 gal.
1557	5.72	13.6	70.8	0.25	7 gal.
1600	5.73	13.5	71.0	0.27	10 gal.
1603	5.69	13.4	70.3	0.27	12 gal.
1606	5.72	13.4	70.2	0.27	15 gal.
1610	SAMPLE - 54 From Saigon				18 gal.

Photos 2095 - House & Well
2096 - Well

1620 Arrive At Well Location In Comp. Area
Of House (No Tank). Pumping / Sampling
From Saigon At Well Head.

1625 Begin Pumping

TIME	PH	TEMP	COND	TURB	Vol
1628	6.17	13.9	116.5	0.32	3 gal.
1631	6.30	13.7	117.4	0.36	6 gal.
1634	6.24	14.0	118.3	0.34	9 gal.
1637	6.29	13.5	117.9	0.30	12 gal.
1640	6.31	13.7	118.0	0.29	15 gal.
1645	SAMPLE - 56				

Photos 2097 House & Well
2098 Well

10/26/09

Mills Gap 4TH QTR

MC GMP4-57

1700 Arrive At Well Head Located Left Of
House Under Fairly Rock Setup.

1704 Begin Pump From Sargent At Well Head.

TIME	PH	TEMP	COND	TURB	VOL
1705	6.99	13.8	290.5	0.68	3 gal

1708	7.10	13.9	293.5	0.74	6
------	------	------	-------	------	---

1711	7.13	14.3	291.2	0.98	9
------	------	------	-------	------	---

1714	7.20	13.9	292.0	0.31	12 gal
------	------	------	-------	------	--------

1717	7.19	14.3	293.0	0.92	15 gal
------	------	------	-------	------	--------

1720 Collect MC GMP4-57

1730 Head Back To Staging Area To
Process/Package Samples.

Photos 2099 House & Well

2100 Well Head

10/27/09

Mills Gap 4TH QTR

MC GMP4-61

0815 Arrive Sample Back To Philop.
Arrive At Staging Area.

0830 Head To End Of Road.

0840 Setup At [redacted] Well Sample From
Well Head Under Fairly Rock To Left Front
Of House (Along Turnabout).

0850 Pump Time Start.

TIME	PH	TEMP	COND	TURB	VOL
0853	6.38	13.4	244.3	5.21	3 gal

0856	6.47	13.5	243.5	9.18	6
------	------	------	-------	------	---

0859	6.48	13.4	244.1	5.57	9
------	------	------	-------	------	---

0902	6.51	13.6	243.8	8.08	12
------	------	------	-------	------	----

0905	6.50	13.8	243.9	9.47	15
------	------	------	-------	------	----

0908	6.55	13.6	243.8	6.97	18
------	------	------	-------	------	----

0910	Collect Sample - 61
------	---------------------

Photos: 2101 House
2102 House & Well Loc

Date 10/27/09

Mills Gap 4th QTR

MG GMP4-62

0920 Setup At Wellhead. Will Sample From
Spigot On Wellhead Under Access Road
In Front Of House.

0925 Begin Pumping - 62

	AH	Temp	COND	TURB	Vol
0928	6.27	14.0	182.6	1.23	3
0931	6.30	13.5	164.8	2.86	6
0934	6.33	14.1	179.7	1.61	9
0937	6.34	14.2	179.7	1.58	12
0940	6.36	14.1	184.5	0.75	15
0945	Collect Sample - 62.				

Photos 2103
2104 ~~3003~~ House & Well
2104 ~~3004~~ Well Head

Date 10/27/09

Mills Gap 4th QTR

MG-GMP4-59

1000 Setup At Spigot On House.

1005 LOCATE Well Head At Front Of House,
To Right. Will Sample/Purge From
Stuck Up 2' From Well Head Under Access
Road (Rocks Staked Down (Capt. B. House))

1020 Begin Pumping - 59

	AH	Temp	COND	TURB	Vol
1023	6.51	14.9	232.0	0.36	3 gal.
1027	6.52	14.6	232.5	0.75	6 gal.
1030	6.56	14.5	233.0	0.57	9
1033	6.56	13.7	234.3	0.74	12
1036	6.51	14.1	234.4	0.62	15
1040	Sample Collected - 59.				

Photos 2105 House
2106 Well & Spigot

Mills Gap 4TH QTR

MG-GMP4-60

1055 Setup At Well In Front Of House.
 1058 Begin Purge From Saptor On Well Head
 Under Kalle Rock In Front Of House.

	AH	COND	TEMP	TURB	VOL.
1101	5.85	110.0	14.0	4.46	39xl
1104	5.79	98.2	14.2	242	6
1107	5.80	102.5	13.8	36.6	9
1110	5.84	105.0	14.1	25.7	12
1113	5.81	97.6	13.4	151	15

Well Surging Causing High Turbidity (House Is
 Vacant) Surge Purge ~ 40gal Rapidly To Clear
 Column.

1122	5.77	100.8	14.1	31.4	~60gal
1125	5.79	101.0	14.0	32.2	63gal.
1128	5.76	97.6	14.2	5.95	66
1131	5.80	97.4	14.0	3.89	69

1140 Collect Sample - 60 Well Collect More At First.
 * Well Surging On/Off

1200 Heavy Rain Starting To Fall. Will Do Last
 Sample On Monah Ln & Head Back To Staging Area.
 Photos 2107 House
 2108 Well Head

Mills Gap 4TH QTR.

MG-GMP4-58

1155 Setup At Well Head In Front Right
 Of House.

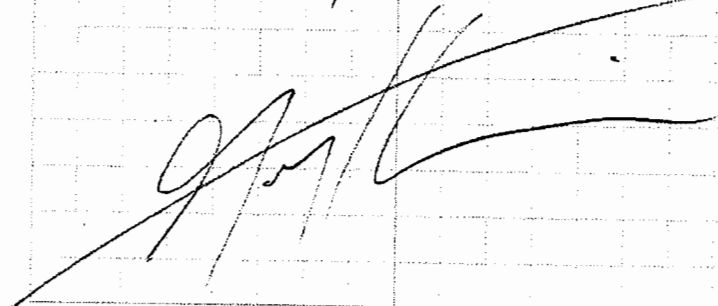
1200 Begin Purge From Well Head Saptor.

	AH	COND	TEMP	TURB	VOL.
1205	6.60	284.4	13.4	5.07	59xl.
1210	6.69	289.9	14.4	5.09	109xl.
1213	6.79	289.3	14.6	4.60	139xl.
1216	6.78	285.0	14.5	5.07	169xl.
1219	6.80	289.7	14.6	ERROR	199xl.

1230 Collect Sample - 58 From Saptor.
 1245 Head To Staging Area To Do Last Sample.
 1330 Break For Lunch.

1410 Pick Up 1 Col. Return To Staging
 Area. Bag For

1500 Head To [redacted] To Continue
 Sampling. Samples Collected For Last
 Of Today Going Out Tomorrow.



Date 10/27/09

Mills GAP 4TH QTR

MG-M GAP4-03

1510 ARRIVE AT HOUSE & NOTIFY MA
WHO GOING TO SAMPLE.

1515 SET UP AT SPIGOT ON HOUSE PACING ROAD
UNDER FRONT PORCH.

1520 BEGIN PUMPING THROUGH EXISTING HOSE -
PH COND TSSA TUNA Vol

1523 6.62 293.4 21.1 532 3

1526 6.66 162.2 20.1 0.21 7

1529 6.65 161.9 20.1 0.20 10

1532 6.66 158.1 20.1 0.22 14

1535 6.66 154.0 20.1 0.26 17

1540 COLLECT SAMPLE - 03.

1615 RETURN TO SQUIRING AREA & PROCESS/PKG
SAMPLES.

NOTE USED DIFFERENT PH MOTOR HOSE DUE TO
MOTOR FAILURE. NEW PH MOTOR TO BE
USED TOMORROW. CALIBRATION OF THAT
MOTOR SHOWS PH READING SLIGHTLY HIGH.

Photo 2112 House

Date 10/29/09

Mills GAP 4TH QTR

MG-GAP4-04

0750 AFTER LUNCH ARRIVE START KOWALINI ARRIVES
AT SQUIRING AREA & STARTS MAINTAINING

0830 ATTEMPT TO CONTACT MA AT _____ Lu Hsq

0845 ARRIVE AT _____ WELL SINK UP BEHIND HOUSE.

0950 BEGIN PUMPING.

PH COND TSSA TUNA Vol.

0955 7.14 190.2 13.9 3.94 5 gal.

0958 7.10 174.4 14.1 7.68 8 gal.

0901 7.15 185.4 13.9 6.00 11 gal.

0904 7.10 189.9 14.2 4.12 14 gal.

0907 7.10 186.9 14.1 4.18 17 gal.

0910 COLLECT SAMPLE - 04 FROM SINK UP FROM
WELL.

Photos 2113 House

2114 Well & Sink Up

Mills Gap 4th QTR

2013 Bethel MC-GMP4-05

0925 Setup At Still Run 1' From Well Location
At Front Gate 15' Off Road (To Right.)

0930 Begin Pumping Well From Still Run.
Well is in Concrete Vault Next To Still Run.

PH COND TEMP TURB Vol.

0933 6.69 157.0 13.9 1.92 3gal.

0936 6.81 158.1 14.1 1.29 6gal.

0939 6.86 158.0 14.2 1.07 9gal

0942 6.87 156.8 14.3 1.68 12

0945 6.93 159.1 14.2 1.20 15gal.

0950 Collect Sample - 05 From Still Run.

PHOTOS: 2115 - House
2116 - Well At Gate

2 Moriah Ln - MC-GMP4-53

1000 Make Contact with Res To Access
Sample Location In Basement.

1015 Setup At Point Where Water Line Enters
Water Pressure Tank In Basement.

Spigot Is Located 2' Off Floor.

1020 Begin Pumping Well.

TIME PH COND TEMP TURB Vol

1023 6.76 206.9 14.8 3.18 3gal.

1029 6.96 206.9 14.9 3.19 6gal

1033 7.01 206.5 14.9 3.13 9gal

1036 7.01 207.0 14.9 3.18 12gal

1039 7.12 207.2 14.5 2.77 15gal

1042 7.12 206.7 14.9 3.20 18gal

1045 Collect Sample - 53.

Use 8oz Jar (New) To Sample / Collect
16 Arsenic & Polys Due To Lead Sample.

PHOTO: 2117 House
2118 Sample Loc. In Basement

Mills Gap 4th QTR

(2644 School Rd) MG-CHP4-01

1120 Arrive At [redacted] Home Owner Explains
That The Well That Serves This Res/House
Is Located On School Road & Serves 1 House
There Also (4) Residences Total (in 2 Houses).

Well Is Located To Left Of Home On School Rd
In A Washing Well Facade. A Sink Up Is
Located Next To Well. Res States That
Sink Up Is In The Well But Doesn't Serve
The Houses. A Spigot Is Located On The
Well Head (in Washing Well); Well Purge
And Sample From Spigot On Well Head.

1135 Start Well Purge

	PH	COND	TEMP	TURB	Vol
1138	6.46	65.5	13.7	0.31	3
1141	6.36	64.9	13.6	0.47	7
1144	6.33	65.2	13.6	0.33	10
1147	6.32	65.6	13.6	0.26	13
1150	6.25	64.2	13.7	0.26	16

1155 Collect Sample - 01. Photos: 2121 House, 2122 Well

1220 Draw Samples At Spigot Area After
Preserving Energy Samples.

1250 Lunch

1330 Arrive At [redacted] Home To [redacted]

Mills Gap 4th QTR

MG-CHP4-79

1340 Arrive At Well Located 50' Left Of
House In Metal Vault.

1350 Begin Pumping Well From Spigot On Well Head.

	PH	TEMP	COND	TURB	Vol.
1355	5.95	14.0	90.0	4.77	3 gal.
1358	5.95	13.7	89.8	0.57	6
1401	5.90	13.9	90.2	0.79	9
1404	5.86	14.0	90.4	0.32	12
1407	5.90	14.1	90.2	0.28	15 gal.

1415 Sample - 79 Collecting.

Use 802 JAR (New) To Collect Samples

Due To Inability To Get Access In Vault

Photos 2121 House

2122 Well Vault

Location _____

Date 10/28/09

Project / Client _____

Mills G&P LTH ORA

MC-GMP4-80

1435 LOCATE [REDACTED] AND SET UP AT
STICK UP NEAR ROAD DOOR.

1440 Begin Pumping Well

	PH	COND	TEMP	TURB	VOL
1443	6.94	310	14.9	1.70	3 gal.
1446	7.03	311	14.9	0.60	7 gal.
1449	7.13	311	14.8	0.54	10 gal.
1452	7.16	311	14.8	0.36	13 gal.
1455	7.20	312	14.8	0.55	16 gal.

1500 Collect Sample - 80 FROM STICK UP.

PHOTOS: 2123 HOOBBS
2124 STICK UP

Location _____

Date 10/28/09

Project / Client _____

MC-GMP4-81

1515 SET UP AT WELL HEAD LOCATED 1/4 UP
STEEP DRIVE ON LEFT OF DRIVEWAY UNDER
FAKE ROCK.

1520 Begin Pumping Well.

	PH	COND	TEMP	TURB	VOL
1523	7.05	412	16.9	3.36	3 gal.
1526	7.25	409	17.4	4.53	6
1529	7.29	409	16.3	12.7	9
1532	7.36	409	16.0	5.42	12 gal.

WITH AIR BUBBLE LARGE & SMALL ADDING
IN DISCHARGE, SAMPLE TEAM DECIDES TO SAMPLE
TO AVOID RUNNING WELL DRY.

1540 Sample Collected - 81

1600 HEAD TO STICKING AREA TO PRODUCE
2 MORE SAMPLES & ASSIST WITH
PUMPING

PHOTOS: 2125
2126

Mills Gap 4TH ORA

MG-GAP4-71

0740 Arrive At Spring Area After Pumping
 UP Ice For Sampling.

0800 Head Out To Russell Ln To Resume Sampling.

0810 Arrive At [redacted] Set up At
 Well Right Of Drive Way In Concrete
 Vault.

0815 No Spigot On Wellhead. Must Sample
 From Spigot On Left Side Of House.
 Note: Spigot In Front Of House Is
 Broken - Do Not Use From Spigot.
 Well Is 57' Deep, 185' Deep

0825 Begin Pump From Spigot On Left Side Of House

	pH	COND	TEMP	TURB	Vol.
0828	6.35	165.4	14.1	1.32	3 gal.
0831	6.37	167.3	14.4	1.33	6 gal.
0834	6.40	169.7	14.3	1.32	9 gal.
0837	6.43	170.0	14.4	1.12	12 gal.
0840	6.44	173.0	14.2	1.04	15 gal.

0828 6.35 165.4 14.1 1.32 3 gal.

0831 6.37 167.3 14.4 1.33 6 gal.

0834 6.40 169.7 14.3 1.32 9 gal.

0837 6.43 170.0 14.4 1.12 12 gal.

0840 6.44 173.0 14.2 1.04 15 gal.

0850 Collect Sample - 71 From Spigot.

Photos: 2127 House

2128 Well Vault (No Spigot)

2129 Spigot On Side Of House
 LEFT

Mills Gap 4TH ORA

MG-GAP4-72

0900 Arrive At [redacted] Wellhead

In Concrete Vault In Front Of House.

Will Sample Pump From Spigot On Wellhead

0905 Begin Pumping Well

pH COND TEMP TURB Vol.

0908 5.98 121.0 14.5 33.9 3 gal.

0911 5.98 121.0 14.5 7.27 6 gal.

0914 5.88 120.5 14.5 5.27 9 gal.

0917 5.86 119.8 15.0 8.19 12 gal.

0920 5.85 119.3 14.8 9.01 15 gal.

0925 Collect Sample - 72 From Spigot

0935 Pumping Samples.

0940 Head Back To Spring Area To Pump
 Samples & Pump Jars.

Photos: 2130 House

2131 Wellhead

Mills Gap 4TH OTR

MG-GWP4-74

1000 Arrive At Well Located Right Of Driveway
Near Street Under Face Rock.

1005 Begin Pumping Out Sargol On Well Head.

	Alt	Cond	Temp	Turns	Vol.
1008	6.33	142.5	13.4	5.66	3 gal
1011	6.38	140.5	13.4	7.66	6
1014	6.34	140.9	13.4	9.62	9
1017	6.36	140.9	13.5	11.0	12 gal
1020	6.35	141.7	13.4	9.15	15 gal.

1025 Collect Sample - 74 From Sargol On Well.

Photos: 2132 House
2133 Well

Mills Gap 4TH OTR

MG-GWP4-75

1045 Arrive At Well Located In Concrete
Vault In Front Of House, Right Of Drive.
Will Pump / Sample From Sargol On Well.

1050 Begin Pumping

	Alt	Cond	Temp	Turns	Vol.
1055	6.52	124.1	13.4	4.11	3 gal.
1058	6.62	124.8	13.6	3.66	6 gal.
1101	6.68	124.7	13.7	3.88	9
1104	6.73	124.6	13.8	3.92	12
1107	6.74	124.5	13.9	3.96	15

1110 Collect Sample - 75

1120 Presv. Inorg Samples.

1135 Head To ~~ST~~ Lockup Restroom

1145 Break for Lunch

1220 Return To Staging Area (DROA)
Samples & Miculva Cooler.

1235 Depart Staging Area For Russell Ln.

Photos: 2134 House
2135 Well

10/29/09

Mills Gap 4th ORA

MG-GMP4-76

1245 Arrive At Well In Front Of House
 1248 Right Of Driveway In Concrete
 Vault.

1255 Begin Pumping Well.

	PH	COND	TEMP	TURB	VOL
1258	6.40	131.7	15.0	28.9	3 gal.
1301	6.59	130.1	14.1	22.8	6
1304	6.59	130.1	14.1	23.8	9
1307	6.81	130.9	14.4	59.5	12
1310	6.80	130.9	14.3	32.3	15 gal
1313	6.85	130.6	14.5	28.4	18
1316	6.80	131.6	14.4	24.1	21
1319	6.90	131.1	14.3	21.2	24
1322	6.85	131.4	14.3	22.3	27 gal
1325	Collect Sample - 76				30 gal
1340	Turb After Hours Collection				22.3

PHOTOS: 2136 House
 2137 Well

10/29/09

Mills Gap 4th ORA

MG-GMP4-73

1348 Arrive At Well In Front Of House
 In Concrete Vault.

1353 Begin Pumping From Sept. On Well
 PH COND TEMP TURB VOL

1356	6.36	161.2	14.3	0.11	3
1359	6.47	161.4	14.2	0.13	6
1402	6.46	162.2	14.4	0.20	9
1405	6.50	161.8	14.1	0.11	12
1408	6.51	161.6	14.3	0.11	15
1410	Collect Sample - 73				
1430	Head Back To Collection Area To Pick Up / Process Samples.				

PHOTOS: 2138 House
 2139 Well

Name Amranda Lioten

Address 1220 Kennestone Cir.

Marietta, GA 30066

Phone 678.355.5550

Project Mills Gap / EPA Region 4

4th Quarter Sampling event

Bibliography or Title			
	Paper Pattern	Cover Options	
Left Page:	Front Page	Against Cover	Forward Cover
Contents	1st Sec.	non-MS 600	non-MS 600

© 1998 by Blackwell Science Ltd

PAGE	REFERENCE	DATE
------	-----------	------

147 Error codes, Hazardous substances, Chemical types
148 Sampling guidelines (general)
149 Sampling guidelines (drugs)
150 Appropriate volume of Water in Closing or Hole Ground Water Monitoring Well
151 PVC Pipe closing issues
152 Soil Classification
153 Soil Classification
154 Conversions (Length, Weight, Volume, Temp, etc.)
155 Conversions (Concentrations, Volume/Flow or Into, Velocity, Acceleration)
156 Maximum Concentration of Contaminants for the Toxicity Characterization

Location Mills Gap Asheville, NC Date 10/26/09

Project / Client EPA Region 4

Weather: 53°F clear/sunny

0650 START Menden + Berries
Leave for Asheville, NC.

1000 Arrive at Earth Fare
Market, Asheville. _____

1035 Buncombe County Wles King
Arrives. _____

1100 START Stubbs + Kowalski
Arrive.

1120 S&SD Simpson, Vail, Meyer
+ Bowden arrive. Tailgate
meeting begins. Equipment
calibrated.

1215 START, SEDD + BC King
break for lunch.

1315 Teams meet at Oaks Subdv.

1328 START Micken + SESD Simpson
arrive at

Mrs. Reader stated she is not on any type of water treatment system. Knob on spigot is broken. S&SD open Simpson uses pliers to tap get sample. _____

4 Location Asheville, NC Date 10/26/09
Project / Client Mills Gap / EPA Reg. 4
MG-GMP4-27

Turbidometer # 990400021398

Purge began at 1337 from
Spigot wellhead with hose.

PH meter # 1009107-09 ^{thermo} ~~FourStar~~

MG-GMP4-27	PH	Temp	Cond.	Turb	Notes
1339	6.02	14.6	97.3	0.85	
1342	6.09	14.6	96.5	14.7	
1345	6.05	14.3	96.8	1.75	
1348	6.04	14.6	96.6	1.66	
1351	6.07	14.6	96.7	1.55	

* Well located between [redacted]

SES Simpson collected sample ^{preserved} directly through tap. 3 VOCs, HCl
2 ambers, 2 polys. Samples will
be put on ice.

1410 Preserved polys, mixed, checked
pHs, placed on ice.

steep

5 Location Asheville, NC Date 10/26/09
Project / Client Mills Gap / EPA Reg. 4

1416 Arrive at [redacted]

Well could not be located. No
answer at door. No spigot on house.

1421 Leave site, will come back
to see if owner is home to
assist with finding a ^{tap} well.

1424 Arrive at [redacted]

320 ft Well. Will collect samples
from tap on house. No water
from well.

1434 Begin purge from tap
at front of house.

MG-GMP4-29

	PH	temp	Cond.	turb	Notes
1437	6.57	14.5	121.8	1.24	
1440	6.66	14.4	121.1	2.17	
1443	6.69	14.8	121.4	2.26	
1446	6.69	14.8	121.8	1.73	
1449	6.63	15.0	120.3	1.63	

Mr. Sublett informed START Molen
+ SES Simpson about a flyer
he received stating EPA "wasn't
doing their job". SES Simpson

Location Asheville, NC Date 10/26/09

Project / Client Mills Gap / EPA Reg. 4

asked if we could have a copy.
Mr. Sublett gave us his original.

1450 SESD Simpson collected
3 VOAS, 2 ambers, 2 polys
from tap at front of house.

1456 Preservative added to polys.

1502 Samples put on ice. leave
site

1504 Arrive at

located well, it does have a
spigot. Begin purge.

MG-GMP-28

* Well is between

	pH	Temp	Cond	turb	notes
1507	6.78	14.3	150.4	1.63	
1510	6.85	14.7	148.9	1.00	
1513	6.87	14.8	148.5	1.30	
1516	6.88	14.9	149.2	1.23	
1519	6.89	14.9	148.7	0.66	

1520 SESD Simpson collected 3 VOAS,
2 ambers, 2 polys from well spigot.

1530 Preservative added ^{by SESD Simpson}

1534 Samples on ice, leave site.

Location Asheville, NC Date 10/26/09

Project / Client Mills Gap / EPA Reg. 4

1544 Dropped off collected samples
with START Berrios.

1554 Arrived at
located well, attached hose,

	pH	Temp	Cond	Turb	Notes
1558	6.69	14.6	149.5	0.74	
1602	6.75	15.4	151.0	0.62	
1604	6.76	15.4	150.6	0.45	

MG-GMP-30

Well is low producing, only
3 readings taken.

1606 SESD Simpson collected
3 VOAS, 2 polys, 2 ambers from
spigot on well. Simpson used
an 8oz. jar to transfer water
for semi-volatiles. No extractables
collected, dry.

1616 SESD Simpson preserved
polys, put on ice.

* Piece of grass in CN sample.

Mrs. Murphy mentioned her
water next to a holding tank.
in house.

Location Asheville, NC Date 10/26/09

Project/Client Mills Gap/EPA Reg. 4

Was going to grab ambers from inside the home - ^{holding tank} no sample taken, no tap, to collect sample from - did not want to dip jar.

1630 Arrive at [redacted]

1634 located well, began purge.

Late note: Spoke with resident to ask if Purge could be done today rather than Tuesday due to weather. She gave permission. MG-GMP4-360 - turbid. * water appears aerated.

	PH	temp	cond.	turb	Notes
1635	6.52	13.9	42.8	0.44	
1638	6.46	14.00	43.1	0.24	
1641	6.43	14.2	43.3	0.34	
1644	6.42	14.3	43.1	0.59	
1647	6.33	14.4	43.6	0.38	

1650 SED Simpson collected 2 polys, 2 ambers, 3 VOAs from spigot at well. Volatile samples appear clear - no aeration.

Location Asheville, NC Date 10/26/09

Project/Client Mills Gap/EPA Reg. 4

1659 Simpson preserved samples, rest on ice.

1708 Arrive at [redacted]

located well, began purging.

MG-GMP-31

	PH	temp	cond.	turb	notes
1711	7.07	14.0	133.6	0.48	
1714	7.08	14.7	140.0	1.37	
1717	7.11	14.8	139.3	0.87	
1720	7.09	14.8	136.7	0.78	
1723	7.10	14.9	136.1	0.76	

1725 SED Simpson collected 3 VOAs, 2 ambers, 2 polys from spigot at well.

1729 Simpson added preservative to polys.

1734 Leave site for Oaks Subd. 2000 Finish with labelling + packaging. Head for hotel.

de

Location Asheville, NC Date 10/27/09

Project / Client Mills Gap / EPA Reg. 4

0730 Arrive at Oaks Subd. Set up tents, gear up vehicles.

0847 EPA Paul had is with START Miden + SEED Simpson.

0850 Arrive on site at [redacted] [redacted]. Begin purge. Tap at well head. MG-GMP4-32

	pH	Temp	Cond.	Turb	Notes
0852	5.8	13.9	85.6	0.41	
0855	5.9	13.8	85.3	0.64	
0858	5.92	13.8	84.4	1.49	
0901	5.93	13.8	81.7	2.23	
0904	5.98	13.9	81.8	2.45	

Late note: during ^{pH} readings at [redacted], pH meter was turned off/on - readings seemed inaccurate.

0907 SEED Simpson collected 3 VARS, 2 ambers, 2 polys. 8oz. jar used to transfer water into ambers.

Location Asheville, NC Date 10/27/09 11

Project / Client Mills Gap / EPA Reg. 4

0915 Simpson preserved samples, put on ice. Late note: Did not use 8 oz. jar for water transfer.

0924 Simpson begins purge at [redacted]

MG-GMP4-33 Tap on well head.

	pH	Temp	Cond.	Turb	
0927	6.19	13.4	161.5	1.39	
0930	6.28	14.3	167.9	1.81	
0933	6.30	14.3	165.0	1.58	
0936	6.57	14.7	152.0	1.41	
0939	6.40	14.2	148.1	1.37	
0942	6.39	14.7	145.6	1.18	
0945	6.53	14.2	145.0	1.22	

0948 Simpson collected 3 VARS, 2 ambers, 2 polys.

0955 Simpson collected 3 VARS, 2 ambers, 2 polys for MG-GMP4-104 Duplicate.

Location Asheville, NC Date 10/27/09
 Project / Client Mills Gap / EPA Reg. 4

0958 Simpson preserved all samples, put on ice.

1014 Arrive at [redacted]

1016 Begin purge at spigot on well.

Well in front yard.

MG-GMP4-34

	pH	Temp	Cond	Turb	Notes
1019	6.25	13.3	64.0	1.22	
1022	6.22	13.4	64.2	0.49	
1025	6.20	13.5	63.6	0.50	
1028	6.18	13.9	63.4	0.45	
1031	6.16	13.8	63.5	0.45	

late note: pH ^{Orion 4 star} meter being used is #100907-08.

1033 Simpson collected 3 VOAS, 2 ambers, 2 polys.

1041 Simpson preserved samples.

1044 Leave site for Oaks Subdiv.

Location Asheville, NC Date 10/27/09 13
 Project / Client Mills Gap / Reg. 4

1139 Arrived at [redacted]

1140 Simpson begins purge from spigot at well.

MG-GMP4-67

	pH	Temp	Cond	Turb	Notes
1143	6.48	14.0	118.8	1.14	
1146	6.56	13.4	119.5	0.80	
1149	6.59	13.6	119.8	0.94	
1151	6.62	13.6	118.0	1.01	
1154	6.63	13.1	117.3	0.97	
1155	6.63	14.0	116.9	0.89	

*There was a ^{dirty} funnel ^{container} at top the spigot + antifreeze sitting near the well.

~~1155~~ 1156 by.

Samples appear to be aerated. Simpson collected 3 VOAS, 2 ambers, 2 polys.

1158 Preserved samples, put on ice.

1215 Break for lunch.

12 14

Location Asheville, NC Date 10/27/09

Project / Client Mills Gap / EPA Reg. 4

c 1255 Arrive at [redacted]
 * spigot broken at well head.
 10 used pliers - no water. Could
 1 not locate a tap outside
 of property.

1307 Arrive at [redacted]
 MG-GMP4-37, begin purge.
 Well located next to house

* Heavy rainfall during sampling.

10	1308	pH	Temp	Cond.	Turb	Notes
10	1308	6.02	13.0	58.1	0.62	
10	1311	5.98	13.3	58.0	0.38	
10	1315	5.97	13.4	58.5	0.49	
10	1318	5.95	13.5	58.3	0.43	
10	1321	5.95	13.6	58.0	0.40	

10 1323 Simpson collected 3 VOA's,
 2 ambers, 2 polye.
 10 1327 Simpson preserved samples,
 10 Put on ice.
 * Black widows at well.

Location Asheville, NC Date 10/27/09 15

Project / Client Mills Gap / EPA 4

1336 Arrived at [redacted]
 MG-GMP4-38. Located well,
 began purge.
 * Black widows at well.

	pH	Temp	Cond.	Turb	Notes
1338	6.36	13.6	50.1	0.48	
1341	6.36	13.7	50.3	0.35	
1344	6.34	13.6	50.6	0.87	
1347	6.34	13.6	50.8	0.61	
1350	6.33	13.6	48.8	0.52	

1352 Simpson collected 3 VOA's,
 2 ambers, 2 polye.

1353 Simpson preserved all
 samples, put on ice.

1405 Return to CAR'S Subv.

1715 START Stubbs leaves to
 take samples to FedEx.

1740 START Bernos leaves to
 take samples to FedEx.

1800* Leave site for FedEx.
 Driver accepted all coolers.

Location Asheville, NC

Date 10/28/09

Project - Client Mills Gap / EPA Reg. 4

0745 Meet at Oaks Subdiv.
Set up workspace, equip
vehicles.

0829 Arrive at [redacted]
begin purge at MG-GMP4-35
* Spigot on house near dog house.

	pH	Temp	Cond	Turb	Notes
0829	6.73	12.0	168.9	1.90	
0832	6.84	12.0	168.7	1.2	
0835	6.93	12.0	169.8	2.61	
10 0838	6.96	12.1	169.4	2.00	
10 0841					

10 * Second sample water from
spigot was black-brown,
had a lot of silt, hydrogen
sulfide smell. Eventually ran
clear.

10 * Water pressure dropped quite
a bit between third + fourth
readings.

10 * Water began to turn orange-
brown, pressure dropped. Did
not want to drain tank. No sample.

Location Asheville, NC

Date 10/28/09

Project - Client Mills Gap / EPA Reg. 4

0857 Arrived at [redacted]
Well near house porch. Entrance
is at [redacted] not
gravel/dirt road at mailboxes.
* Water has strong hydrogen sulfide odor.

	pH	Temp	Cond	Turb	Notes
0858	6.77	13.3	208.7	0.50	
0904	6.88	14.0	207.7	0.34	
0904	6.87	13.8	208.1	0.33	
0907	6.87	13.9	207.7	0.36	
0910	6.88	14.0	208.1	0.42	

MG-GMP4-39 No spigot at
well head. Tap located next to
well.

0913 SEED Simpson collected 3 VCRS,
2 ambers, 2 polye.

0917 Simpson preserved samples,
put on ice.

0925 Dropped off samples at
Oaks Subdiv, got more sample
bottles.

see

12 18

Location Asheville, NC Date 10/28/09

Project / Client Mills Gap / EPA Reg. 4

MG-GMP4-97

0936 Arrived at [redacted]
 MG-GMP4-97. Well located next
 to home, has a spigot. Black
 widows at well. Water is run
 slowly due to pressure switch.
 Water ran orange at first.

	pH	Temp	Cond	Turb	Notes
0936	6.54	14.8	150.4	6.24	
0939	6.65	14.5	150.2	3.30	
0942	6.70	14.4	152.7	4.31	
10 0945	6.70	14.6	151.5	3.92	
10 0948	6.69	14.9	152.3	3.02	

11 0950 Simpson collected 3 VOAS,
 10 2 ambers, 2 polye.

1 0955 Simpson preserved samples,
 put on ice.

10

10

10

See

Location Asheville, NC Date 10/28/09 19

Project / Client Mills Gap / EPA Reg. 4

MG-GMP4-98

1003 Arrive at [redacted] Ran
 into [redacted] (son) from [redacted]

[redacted] asked that we not sample.
 Sampling from Kitchen tap (at 16)

	pH	Temp	Cond	Turb	Notes
1005	6.22	31.0	61.8	0.56	
1008	6.39	15.7	62.7	1.99	
1011	6.40	14.3	60.7	0.97	
1014	6.42	14.2	60.9	0.54	
1017	6.41	14.0	61.3	1.00	

* knobs at top are reversed.

1021 Simpson collected 6 VOAS,
 4 ambers, 2 polye.

1040 Simpson preserved samples,
 put on ice.

MS/MSD done here rather than
 [redacted] (MG-GMP4-100).

See

1044 Arrive at [redacted]
 MG-GMP4-99. Could not locate well.

1 Sampled from tap at side of house facing gravel driveway.

	pH	Temp	Cond	Turb	Notes
1046	6.15	20.5	65.18	0.43	
1049	6.22	16.1	65.2	0.35	
1052	6.14	15.9	65.09	0.62	
1055	6.20	16.6	64.9	0.65	
1058	6.18	15.6	65.3	0.58	

10 *Drums located on property near driveway, chicken house.

11 1101 Simpson collected 6 VOCs.

10 4 ambers, 4 poly. Includes

1 MG-GMP4-110 (Dup).

1107 ASimpson preserved all samples, put on ice.

10 1129 Arrived at Oaks Subdiv to drop off samples.

1200 Break for lunch

11

11

1300 Arrive at [redacted]

MG-GMP4-46. Resident said her water is not treated. Located well, but not spigot. Will take sample from tap on house.

	pH	Temp	Cond	Turb	Notes
1303	5.87	16.3	100.0	6.02	
1306	5.94	14.6	99.3	5.33	
1309	5.88	15.1	100.1	4.12	
1312	5.86	15.2	101.6	3.28	
1315	5.88	15.4	102.5	2.76	

1317 Simpson collected 3 VOCs. 2 ambers, 2 poly.

1321 Simpson preserved samples, put on ice.

dep

Location Asheville, NC Date 10/28/09Project / Client Mills Gap / EPA Reg. 4

1330 Arrived at
 MG-GMP-45. Well in back yard,
 has a Spigot. Numerous black
 widows.

	pH	Temp	Cond	Turb	Notes
1333	5.97	14.9	88.6	2.12	
1336	5.93	14.9	88.2	0.38	
1339	5.95	15.1	88.4	0.49	
*1342	5.84	15.1	88.4	0.57	
1345	5.85	14.9	87.5	0.57	

- " * pH meter reading way off (15-19).
- " unplugged for a moment, plugged
- " in and took reading of 5.84.
- " Meter was checked against
- " 4.01 buffer and read 4.09.
- 1350 Simpson collected 3 VOA's,
- 2 ambers, 2 polys.
- 1353 Simpson preserved all
- " samples, put on ice.

[Signature]

Location Asheville, NC Date 10/28/09Project / Client Mills Gap / EPA Reg. 4

1409 Arrived at
 MG-GMP4-44. Well does not
 have a Spigot and tap outside
 is too close to ground. Will
 sample at kitchen tap.

	pH	Temp	Cond	Turb	Notes
1410	6.02	17.2	91.0	0.65	
1413	6.11	15.0	91.8	0.46	
1416	6.09	15.0	93.4	0.46	
1419	6.11	15.1	94.9	0.48	
1422	6.20	15.0	94.0	0.58	

1424 Simpson collected 6 VOA's,
 4 ambers, 4 polys. for
 MG-GMP4-44 and MG-GMP4-105
 (Dep).

- * Strong cigarette odor in home.
- 1427 Simpson preserved all
- samples, put on ice.

[Signature]

Location Asheville, NC Date 10/28/09

Project/Client Mills GAP / EPA Region 4

Notes By Tim Simpson, Sampler Mike Bowden

1452: Arrived at [redacted] Station

MG-GMP4-48, well in side yard. Orange colored house. Purge started @ 14:55

time	temp	pH	COND	Turb
14:55	14.9	6.69	201.9	3.92
14:59	14.9	6.77	209.9	2.90
15:03	15.1	6.77	210.2	2.34
15:06	15.0	6.82	210.3	2.24
15:09	15.1	6.80	211.0	1.91

Note - PVC pipe from well collected at well head

1 15:13 samples collected by Mike Bowden -

1 VOCs collected into 8 oz glass jar

1 Cyanide preserved w/NaOH by Simpson. Metals

1 preserved w/HNO₃ by Bowden. All

samples placed on ice. VOCs - pre-preserved w/NaCl

Collected 3 VOCs, 2 poly (ex-metals)

and 2 1-liter Ambers (SVOCs).

Two photos taken at site

M

10/28/09

Location Asheville, NC

Date 10/28/09

Project/Client Mills GAP / EPA Region 4

Notes by Tim Simpson, Sampler Mike Bowden

15:29 -

Arrived at [redacted] Station

MG-GMP4-47, The well is located to the right of the driveway, adjacent to a small shed. Purge started at 15:31

time	temp	pH	COND	Turb
15:32	14.4	6.61	171.8	37
15:35	15.4	6.64	177.8	78.3
15:38	15.1	6.73	213.6	63.7
15:41	15.1	6.74	215.9	139
15:45	15.0	6.81	218.9	179

Initial purge had Turbid water.

time	temp	pH	COND	Turb
15:50	15.1	6.78	219.8	373
15:55	15.7	6.74	219.7	51.9
15:59	15.5	6.75	220.0	9.58

Flow Rate
Slowed

16:00 Sampled by Mike Bowden

Collected 3 VOCs, 2 polys (metals + cyanide, 2 1-liter Ambers (SVOCs)

CN - preserved w/NaOH

Metals - Preserved w/HNO₃

VOCs - pre-preserved w/NaCl

Samples placed on ice

Location Asheville, NC

Date 10/29/09

Project / Client Mills Gap / EPA Reg. 4

0826 Arrived at [redacted]
 MG-GMP4-82. Located well,
 sampled from spigot at 0828.

	pH	Temp	Cond	Turb	Notes
0828	6.15	12.6	132.3	0.27	
0831	6.23	12.8	131.5	0.57	
0834	6.20	13.6	131.7	1.46	
0837	6.17	13.4	132.5	0.64	
0840	6.18	13.3	131.6	0.37	

0842 Simpson collected 3 VOA's,
 2 ambers, 2 polye.

0855 Simpson preserved all
 samples and put on ice.

26

Location Asheville, NC

Date 10/29/09

Project / Client Mills Gap / EPA Reg. 4

0900 Arrived at [redacted]
 MG-GMP4-88. Well next to
 gravel driveway. Sampled
 from spigot.

0902 Began purge

	pH	Temp	Cond	Turb	Notes
0902	6.14	14.9	107.5	0.28	
0905	6.20	14.5	106.3	0.22	
0908	6.16	14.2	106.7	0.16	
0911	6.15	14.1	106.9	0.16	
0914	6.14	14.0	106.1	0.17	

pH meter #: 10090708

turbidometer #: 010100027647

0917 Simpson collected 6 VOA's,
 4 ambers, 2 polye (MSMSP).

0923 Molen preserved samples,
 put on ice

late note: used 8 oz. jar to transfer
 water to ambers.

Location Asheville, NC Date 10/29/09
Project / Client Mills Gap / EPA Reg. 4

0945 Arrived at
MG-GMP4-84. Well located near
light post to right of deck under
small "house". Has low to ground spigot.

	pH	Temp	Cond	Turb	Notes
0948	6.35	13.6	82.3	0.11	
0951	6.35	13.6	86.4	0.14	
0954	6.35	13.5	83.7	0.10	
0957	6.34	13.7	88.0	0.04	
1000	6.37	13.5	91.5	0.12	

1001 Simpson collected 3 VOA's,
2 ambers, 2 polye. Used a
scoop to transfer water to ambers.
1004 Molen preserved samples,
put on ice.

* wasp nest inside "house",
but empty.

leg

Location Asheville, NC Date 10/29/09
Project / Client Mills Gap / EPA Reg. 4

1025 Arrived at
MG-GMP4-85. Well located under
wooded/tarp area near embankment.
1031 Began purge. Spigot at well head,
pressure fluctuates.

	pH	Temp	Cond	Turb	Notes
1031	6.39	12.0	72.8	5.81	
1034	6.27	11.9	72.5	10.2	
1037	6.25	12.0	73.0	9.59	
1040	6.23	12.3	72.3	8.59	
1043	6.32	13.4	70.3	8.01	

1046 Simpson collected 3 VOA's,
2 ambers, 2 polye.

1050 Molen preserved all
samples, put on ice.

1100 Returned to OARS Subdivision
to help Bernos with labeling.
1130 Break for lunch, return
at 1200.

leg

Location Asheville, NC Date 10/29/09
 Project / Client Mills Gap / EPA Reg 4

1030 Arrived at FedEx to
 ship coolers.
 1715 Leave for hotel.
 October 30, 2009
 0900 Leave Asheville, NC for
 Marietta, GA.
 1300 Arrive in Marietta, GA at
 OTE office to return equipment.

[Signature]

Location Asheville, NC Date 11/3/09
 Project / Client Mills Gap / EPA Region 4

Photo log

Sample ID#	Address	picture #s
10/26/09 #27		100-0084 100-0085
10/26/09 #29		100-0086 100-0087
10/26 #28		100-0088 100-0089
10/26 #30		100-0090 100-0091
10/26 #36		100-0093 100-0094
10/26 #31		100-0095 100-0096
10/27/09 #32		100-0098 100-0099
#33		100-0100 100-0101

Location Asheville, NC

Date 11/3/09

Project / Client Mills Gap / EPA Reg. 4

Photo Log cont.

Sample ID #	Address	Picture #s
10/27/09 #34		100-0102 100-0103
#67		100-0104 100-0105
#37		100-0109 100-0110
#38		100-0106 100-0107
10/28/09 #35		100-0111 100-0112 100-0113
#39		100-0114 100-0115
#97		100-0116 100-0117 100-0118 100-0119 100-0120

Location Asheville, NC

Date 11/3/09

Project / Client Mills Gap / EPA Reg. 4

Photo Log cont.

Sample ID #s	Address	Picture #s
#98		100-0121 100-0122
#99		100-0123 100-0124 100-0125
#46		100-0126 100-0127
#45 #47		100-0128 100-0129 100-0130
#44		100-0131 100-0132
#48		100-0133 100-0134
#47		100-0135 100-0136

Location Asheville, NC Date 11/3/09Project / Client: Mills Gap / EPA Reg. 4

Photo log cont.

Sample ID #	Address	Picture #s
10/29 #82		100-0137 100-0138
#83		100-0139 100-0140
#84		100-0143 100-0144
#85		100-0141 100-0142

Location _____ Date _____

Project / Client _____

INCH

"Rite in the Rain"
ALL-WEATHER WRITING PAPER



Name J Vail

Address 990 College Station Rd

Phone _____

Project Mills Gap Potable well sampling
10/26-29/09

Clear Vinyl Protective Slipcovers (Item No. 30) are available for this style of notebook.
Helps protect your notebook from wear & tear. Contact your dealer or the J. L. Co. Co., Inc.

CONTENTS

PAGE	REFERENCE	DATE
2		12/6/09
3		
4		
5		
6		12/7/09
7		
8		
9		
10		
11		
12		12/8/09
13		
14		
15		
16		
17		
18		
19		
20		
21		29/09
22		
23		
24		
25		

2
10/26/09

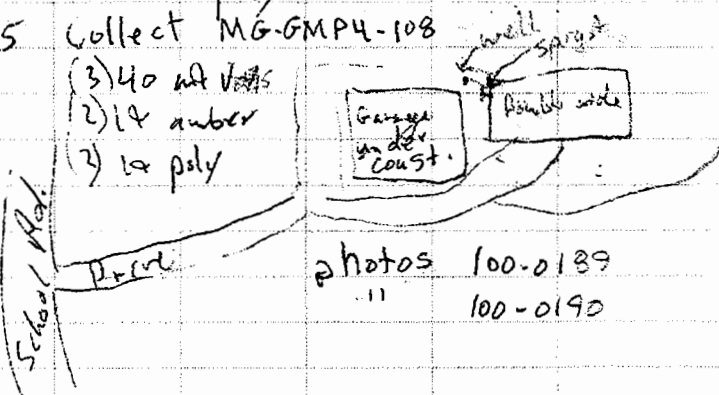
Mail
@

1336 start purge with spigot at house
pH meter #100907-05 Turb meter 95040007330

	pH	Cond	Temp	Turb
1340	6.32	191.3	14.3	0.36
1343	6.45	191.5	15.3	0.41
1346	6.54	191.1	14.7	0.38
1349	6.54	191.7	14.3	0.31
1352	6.56	192.0	15.0	0.27

1355 Collect MG-GMP4-77
(3) 40 ml Vials
(2) 14 amber
(2) 14 poly

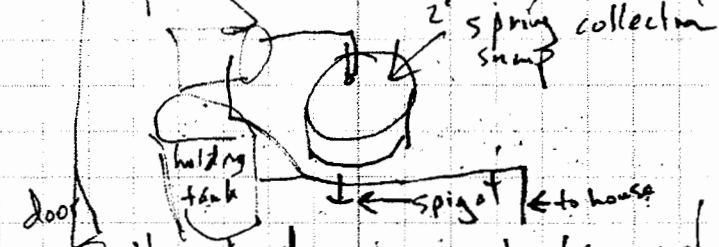
1355 Collect MG-GMP4-108
(3) 40 ml Vials
(2) 14 amber
(3) 14 poly



3

10/26/09 Mail
@

1423 start purge at pump from snap in
spring house in side yard



	pH	Cond	Temp	Turb
1425	5.94	81.9	15.7	1.73
1429	5.78	82.1	15.9	1.8
1431	5.73	82.2	15.9	1.85
1433	5.68	82.2	15.9	1.94
	5.64	82.3	16.0	2.69

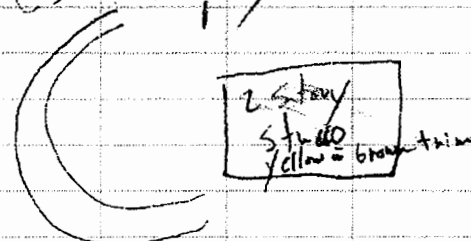
1435 Collect MG-GMP4-78
(3)
(2)
(2) 14 poly

4
10/26/09 Nail W. King

1555 start purge at well spigot

	pH	Cond.	Temp	Turb
1600	6.34	134.5	14.5	0.26
1602	6.46	134.7	14.5	1.38
1609	6.52	133.5	14.8	0.29
1606	6.55	134.8	14.6	0.37
1608	6.59	134.4	14.5	0.40

1610 Collect MG-GMP4-25
(3) 40 mL VOA
(2) 17 amber
(2) 17 poly



photos 100-191
100-192

spigot at well

5
10/26/09 Nail W. King

1628 start purge at spigot at kitchen sink

	pH	Cond	temp	turb
1630	6.56	140.9	15.2	1.56
1634	6.61	141.1	15.2	2.72
1636	6.66	140.8	15.4	1.10
1638	6.73	141.3	15.4	1.42
1640	6.75	140.6	15.5	1.86

pump turned on 3 times during purge

1642 Collect MG-GMP4-26
(3) 40 mL VOA
(2) 17 amber
(2) 17 Poly

10/27/09

Vaid

W. King

pH counter 10090705 Fisher 013008-02

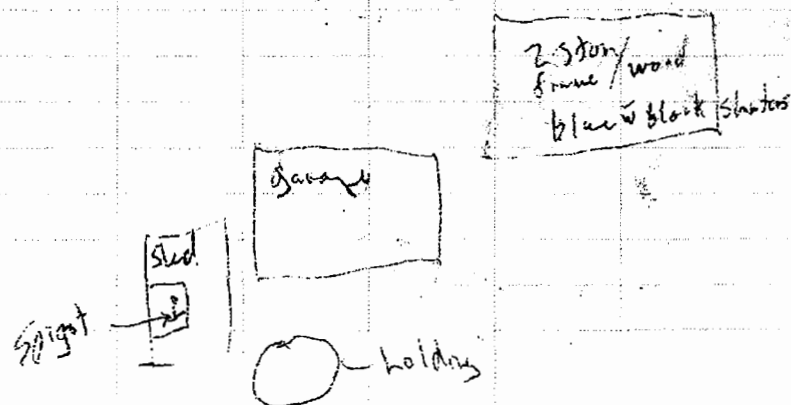
902

start purge at well spigot

	pH	Cond	Temp	Turb
905	6.31	68.8	13.6	0.17
909	6.32	68.3	13.6	0.56
911	6.30	68.4	13.6	0.27
915	6.29	67.5	13.6	0.59
917	pump shut off 926 pump on			
	6.24	67.6	12.9	4.27 0.4

930 Collect MG-GMP4-17

- (3) 1/2" HOAS
- (2) 1/2" amber
- (2) 1/2" poly



10/27/09

Vaid

W. King

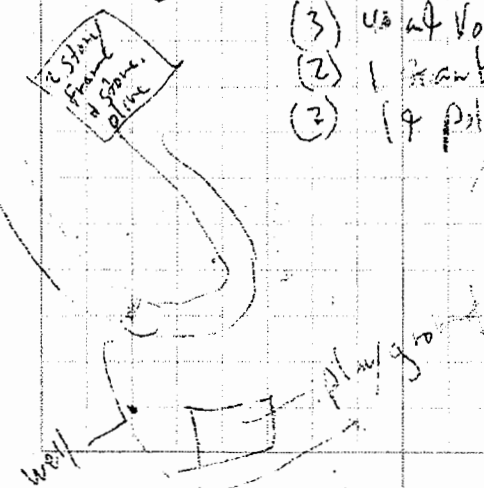
951

start purge at well spigot

	pH	Cond	Temp	Turb
955	6.38	114.7	14.8	3.2
957	6.39	115.7	13.4	2.21
959	6.37	116.5	13.9	1.13
1001	6.35	115.1	14.1	0.98
1003	6.35	116.3	14.3	0.4

1005 Collect MG-GMP4-63

- (3) 1/2" HOAS
- (2) 1/2" amber
- (2) 1/2" poly



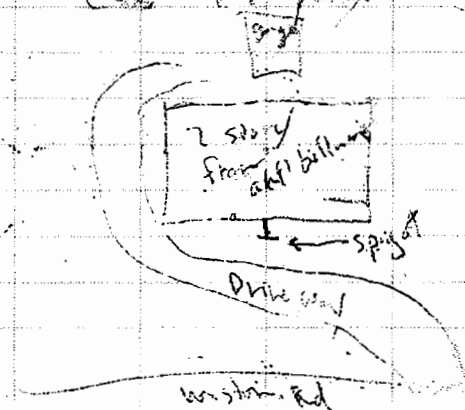
10/27/09 JVat W. King

1029 start pump at spring side of house

	pH	Cond	temp	turb
1032	5.94	145.4	16.1	0.40
1034	5.93	142.3	14.7	1.53
1036	5.99	142.2	14.4	0.81
1038	5.98	139.9	14.8	0.50
1040	5.98	140.7	14.3	0.43

1042 Collect MG-GMP4-93

- (3) 40 m² VOA
- (2) 1 ♀ amber
- (2) 1 ♀ amber



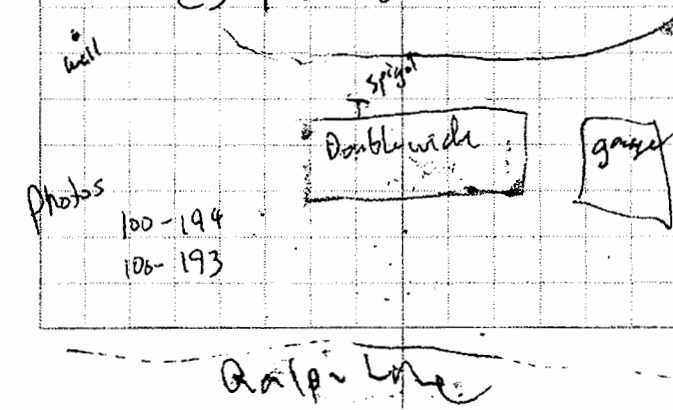
10/27/09 JVat W. King

1125 start pump at spring behind house

	pH	Cond	temp	turb
1128	6.55	186.7	13.6	2.57
1131	6.63	187.1	13.9	0.58
1134	6.71	187.4	13.8	0.58
1137	6.75	187.5	13.7	0.51
1140	6.77	188.0	13.6	0.59

1143 Collect MG-GMP4-67

- (3) 40 m² VOA
- (2) 1 ♀ amber
- (2) 1 ♀ amber



10/27/09

Vail W. King

1337 start purge at spigot at well

	pH	Cond	Temp	Turb
1338	6.80	173.7	14.7	1.26
1341	6.84	173.8	14.1	1.25
1343	6.93	174.3	14.3	1.06
1345	7.00	174.2	14.2	1.03
1348	7.02	174.9	14.0	1.05

1350 collect MGMP4-68
 (3) 40 m²
 (2) 12 amber
 (2) 12 poly

photos
 100-145
 100-196

9 pl. H. m.
 yellow

well

10/27/09

Vail W. King

post check pH meter 100907-05
 st. buffer 4 reads 4.02
 st. buffer 7 reads 6.93

post check turb water 093006-02
 0-10 (4.92) reads 3.98
 0-100 (61) " 59.9
 0-1000 (552) " 557

10/28/09 JVail Eric Barnes

pH cond temp meter 100907-05 turb meter 1073008-02

840 start purge at spigot at well

	pH	cond	temp	turb
845	5.70	63.9	12.1	2.86
847	5.92	96.3	13.9	2.24
849	5.87	97.1	13.6	1.67
851	5.86	97.3	14.6	1.53
853	5.87	97.6	13.6	1.24

855 Collect MG-GMP4-64.

- (3) 40 mL VOA's
- (2) 1 L amber
- (3) 1 L poly

well

10/28/09 JVail E. Barnes

932 start purge at spigot at well

	pH	cond	temp	turb
937	6.49	188.0	13.2	1.24
941	6.41	188.2	14.3	0.35
943	6.49	188.3	14.7	0.35
945	6.56	188.2	14.9	0.54
947	6.53	188.3	15.2	0.65
	6.55	188.6	15.2	0.50

950 Collect MG-GMP4-06

- (3) 40 mL VOA's
- (2) 1 L amber
- (2) 1 L poly

350 ft downhole

well

10/28/09 J Vent E Barnes



1027 start purge at spigot at well

	pH	Cond.	temp.	turb
1029	6.36	152.2	14.2	4.15
1031	6.48	151.9	14.1	1.42

1035 well dry - check house at
top of hill - no water at spigot.
3 either water line shut off at
house or electric at house off.

no sample

10/28/09 J Vent E Barnes



1100 start purge at spigot at well/house

	pH	Cond.	temp.	turb
1102	6.09	76.6	13.6	0.32
1104	6.12	76.5	13.8	0.34
1106	6.12	76.2	13.6	0.2
1108	6.12	76.8	13.6	0.34
1110	6.10	76.8	13.6	0.14

1115 Collect MG-GMP4-07

(3) 40 mL VOA
(2) 10 amber
(2) 10 Poly

10/23/09 J Vail E Barnes

1300 start purge at spigot in big yard

	pH	Cond	Temp	turb
13:03	6.30	100.9	13.8	1.4
1305	6.33	102.1	13.1	2.84
1309	6.27	98.9	13.0	1.81
1311	6.30	100.9	13.9	1.97
1313	6.29	98.5	14.5	4.35

1315 Collect MG-GMP4-88
 3 40 ml VOA
 2 14 amber
 2 14 poly

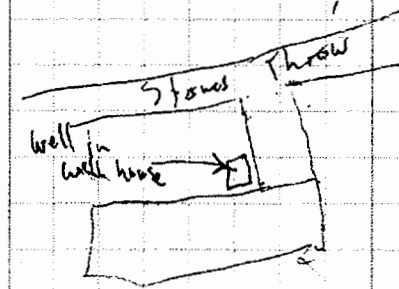
1320 Collect MG-GMP4-109
 (3) 40 ml VOA
 (2) 14 amber
 (2) 14 poly

10/23/09 J Vail E Barnes

1403 start purge at well spigot

	pH	Cond	Temp	turb
1405	5.61	44.7	15.8	1.51
1407	5.64	96.2	16.0	0.26
1409	5.67	98.7	16.1	0.32
1411	5.67	100.5	16.3	0.23
1413	5.69	102.7	16.4	0.26

1415 Collect MG-GMP4-89
 3 40 ml VOA
 2 14 amber
 2 14 poly



10/29/09 Wail E Barnes

1441 start purge at spigot at house

	pH	Cond	Temp	Turb
1443	6.22	92.3	17.0	0.21

1445	6.29	92.0	15.6	0.29
------	------	------	------	------

1447	6.29	91.4	16.0	0.19
------	------	------	------	------

1449	6.32	92.2	15.8	0.26
------	------	------	------	------

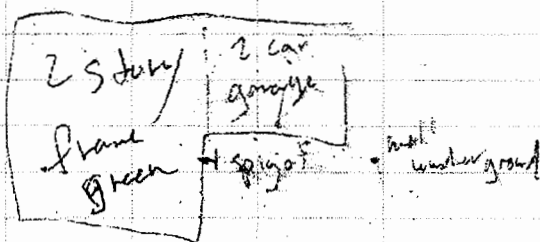
1452	6.36	91.0	16.0	0.13
------	------	------	------	------

1455 Collect MG-GMP4-49

(3) 40 mL VOAs

(2) 1 L amber

(3) 1 L poly



10/29/09 Wail E Barnes

1504 start purge at spigot at house

	pH	Cond	Temp	Turb
1506	6.53	134.7	18.6	0.14

1509	6.62	132.8	17.8	0.23
------	------	-------	------	------

1511	6.63	133.4	16.3	0.18
------	------	-------	------	------

1513	6.67	131.3	16.1	0.18
------	------	-------	------	------

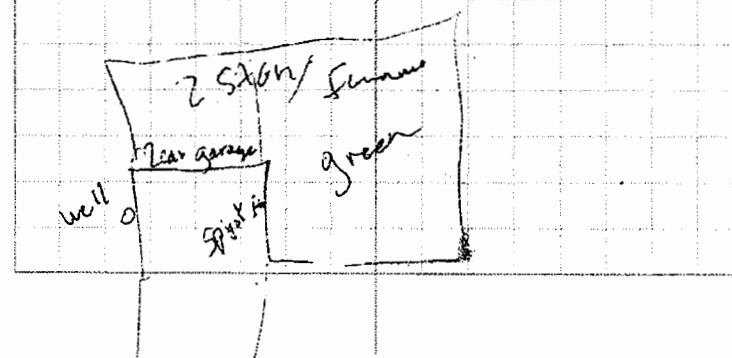
1515	6.67	128.8	16.0	0.14
------	------	-------	------	------

1520 Collect MG-GMP4-50

(3) 40 mL VOAs

(2) 1 L amber

(2) 1 L poly



10/28/09 *Wail*
1630 Post Check meters

turb # 073008-02

0-10 (4.92) 5.28

0-100 (61) 61.6

0-1000 (552) 554

pH: cond temp # 100907-05

std. 4.00 reads 4.01

" 7.00 " 7.00

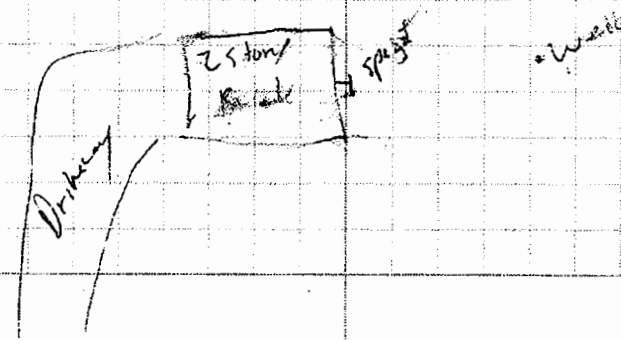
Wail

10/29/09 *Wail* Tracy Shinn

835 start purge at spigot next to house

	pH	cond	temp	turb
839	5.44	69.9	15.3	33.0
843	6.03	69.5	14.7	18.1
845	6.07	70.1	14.4	12.8
851	6.08	70.0	14.3	13.8
853	6.08	70.4	14.4	11.0

855 collect MG-GMP4-94
(3) 40 µl VOA
(2) 17 amber
(2) 17 p-ty

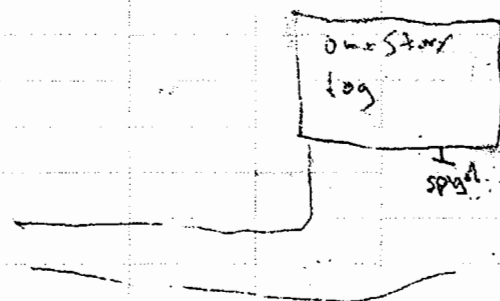


10/29/09 Mail Tracy Shinn

912 start purge at

	pH	cond	temp	turb
915	6.27	102.6	13.8	1.86
918	6.33	107.4	14.2	1.65
920	6.36	107.4	14.2	3.02
923	6.37	106.7	14.5	1.5
925	6.43	107.4	14.3	3.19

930 Collect MG-GMP4-95
 (3) 40mL VOA
 (2) 14 amber
 (2) 14 poly

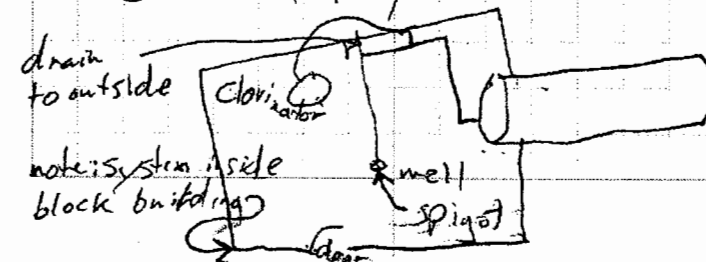


10/29/09 Mail Tracy Shinn

941 start purge at spigot at well
 photo 100-197 turn drain on to outside
 1005 pump on

	pH	cond	temp	turb
1007	6.64	156.4	14.5	0.11
1011	6.74	182.6	15.1	0.14
1013	6.84	182.1	15.2	0.16
1015	6.86	181.3	15.0	0.10
1017	6.91	181.0	15.2	0.12

1020 Collect MG-GMP4-96
 (3) 40 mL VOA
 (2) 14 amber
 (2) 14 poly



10/29/09 Nail Tracy Shinn

1130 turn spigot on at house
 1131 turn spigot on at well
 one tank vol (well turn on) then off
 1137 2nd " " " "
 1141 3rd " " " "

	pH	Cond	temp	turb
1143	6.56	134.4	15.1	12.5
1145	6.71	135.6	15.1	7.07
1148	6.75	135.8	14.9	6.48
1152	6.72	135.1	14.9	9.53
1153	6.80	136.2	14.9	10.9
1154	6.83	136.1	14.9	2.5045

1155 Collect MG-GMP4-89
 (3) 40 ml VOA
 (2) 14 amber
 (2) 14 poly

10/29/09 Nail Tracy Shinn

1323 start purge at spigot near garden

	pH	Cond	temp	turb
1326	6.46	86.2	14.9	4.55
1330	6.48	88.1	16.5	12.4
1333	6.46	87.3	15.9	51.0
1335	6.49	87.8	16.3	74.3

turn flow rate down

1338	6.54	87.4	16.6	76.9
1346	6.48	87.4	16.8	65.0
1404	6.52	86.4	16.5	7.96

1405 Collect MG-GMP4-70

(3) 40 ml VOA

(2) 14 poly. filled w 7.96 turb water

(2) 14 amber

photo 100-198

10/29/09

END
of
Log Book10/29/2009
15

1. 下列各句中，没有语病的一句是（ ）
A. 通过这次活动，使我们增长了知识，开阔了眼界。
B. 为了防止这类事故不再发生，我们必须采取有效措施。
C. 为了防止这类事故不再发生，我们必须采取有效措施。
D. 通过这次活动，使我们增长了知识，开阔了眼界。

2. 下列各句中，没有语病的一句是（ ）
A. 通过这次活动，使我们增长了知识，开阔了眼界。
B. 为了防止这类事故不再发生，我们必须采取有效措施。
C. 通过这次活动，使我们增长了知识，开阔了眼界。
D. 通过这次活动，使我们增长了知识，开阔了眼界。

3. 下列各句中，没有语病的一句是（ ）
A. 通过这次活动，使我们增长了知识，开阔了眼界。
B. 为了防止这类事故不再发生，我们必须采取有效措施。
C. 通过这次活动，使我们增长了知识，开阔了眼界。
D. 通过这次活动，使我们增长了知识，开阔了眼界。

4. 下列各句中，没有语病的一句是（ ）
A. 通过这次活动，使我们增长了知识，开阔了眼界。
B. 为了防止这类事故不再发生，我们必须采取有效措施。
C. 通过这次活动，使我们增长了知识，开阔了眼界。
D. 通过这次活动，使我们增长了知识，开阔了眼界。

5. 下列各句中，没有语病的一句是（ ）
A. 通过这次活动，使我们增长了知识，开阔了眼界。
B. 为了防止这类事故不再发生，我们必须采取有效措施。
C. 通过这次活动，使我们增长了知识，开阔了眼界。
D. 通过这次活动，使我们增长了知识，开阔了眼界。

6. 下列各句中，没有语病的一句是（ ）
A. 通过这次活动，使我们增长了知识，开阔了眼界。
B. 为了防止这类事故不再发生，我们必须采取有效措施。
C. 通过这次活动，使我们增长了知识，开阔了眼界。
D. 通过这次活动，使我们增长了知识，开阔了眼界。

Address 980 College Station Rd
Athens, GA 30605

Project 10-0022

Mills GAP Groundwater
Contamination Site

Clear Vinyl Protective Slipcovers (Item No. 30) are available for this system. Slipcovers
Helps protect your notebook from wear & tear. Contact your dealer or the ...

PAGE	REFERENCE	DATE
2	staff on site	10/28
3	meter calibration	10/28
11	meter calibration	10/29
22	meter calibration	10/28
29	meter calibration	10/29

PAGE	REFERENCE	DATE
2	staff on site	10/28
3	meter calibration	10/28
11	meter calibration	10/29
22	meter calibration	10/28
29	meter calibration	10/29

10/26/09 Mills Gap site

08:20 Departed Athens via Gov

11:20 Arr Asheville, NC

met with contractors
safety meeting

Broke into groups -

EPA -

Tim Simpson
Phyllis Meyer
Mike Bowden
Jon Vail

START -

Ryan Stubbs }
Greg Kowalski } samplers
Amanda Molen }
Nairimer Berrios - Cartagena - FORMS

Buncombe County -

Wes King - sampler
- with Jon Vail

All Meter Calibration by Tim Simpson @ 11:30

Turbidimeter 010100027647

Lot # A9064 - standard (gel)

	Standard	Reading	± 10%
1)	4.13	3.97	yes
2)	52	53.2	yes
3)	531	532	yes

2100P Turbidimeter # 950400007630

Lot A 9064 - standard (gel)

	Standard	Reading	± 10%
1)	4.70	4.20	no (4.23-5.17)*
2)	56.9	56.5	yes
3)	554	558	yes

2100 ISO Turbidimeter # 073008-02

Lot A 8178 (standard - gel)

	Standard	Reading	± 10%
	4.92	4.30	no *
	61	60.8	yes
	552	557	yes

TS
10/26/09

10-26-09

TURBIDIMETER # 990400021398

Gelox Standard Lot #

Standard Reading $\pm 10\%$

5.0 5.16 yes

50.4 54.5 yes

516 503 yes

NIST Thermometer 031407-03

probe broken

USSD Pharameter

020807-05

pH Buffer 4.01 lot 2809533 exp Sep 2010

7.00 lot 082461 exp 5/2010

10 \rightarrow 75
lot 26609

conductivity solu - 1413

lot MRLC exp 09/10

pH 4.01 - Oaken standard

10/26/09

pH meter SE50 FO 100907-06

Buffer 4.01

Reading ~~4.08~~ 4.00
@ 16.0°C

7.0

7.03

Error

Recalibrated

Buffer

4.01

Reading

4.00

7.00

7.03

97.9 slope

conductivity probe

1413 standard

@ 18.3° 18.0°C

Auto recognize 1413

cell 0.476

NIST Thermometer -16.7°C

conductivity probe -17.2°C

75

10/26/09

10-26-09

pH meter # 100907-10

standard | reading

4.01 | 4.00

7.00 | 7.03

slope - 48.5

Temp 16.6°C

NIST Thermometer 16.8

1413 Standard

1413 Reading

@ 18.1°C

cell 0.462

cond probe - 17.0°C

NIST Thermometer - 16.8°C

Note - outside Temp 18.3°C
cool, clear weather

18

10/26/09

10-26-09

pH meter # 100907-05

Buffer | Reading

4.01 | 4.0

7.0 | 7.03

@ 16.6°C

slope - 96.3

NIST - 16.8

Thermo - 16.6

1413 Standard

1413 Reading

@ 18.0°C

Cell - 0.476

18

10/26/09

pH meter # 100907-09

Buffer	reading
4.01	4.01
7.00	7.00

slope 90.6

NIST - 16.8°C

pH probe - 17.1°C

1413 standard, 1413 reading

@ 17.3°C cell - 0.475

NIST - 16.8°C

Con O probe - 17.0°C

11/

10/26/09

meter Post check by T. m Simpson

17:40

Turbidimeter # 99040021398

Standard	Reading	± 10%
5	4.55	yes
50.4	54.5	yes
516	503	yes

Turbidimeter # 950400007630

STANDARD	Reading	± 10%
4.70	4.29	yes
56.9	56.7	± yes
556	553	yes

Turbidimeter # 01010002764

STANDARD	71 STANDARD	Reading	± 10%
4.13	3.75		yes
52	53.6		yes
531	534		yes

11/

10/26/09

10/26/09

meter Post check

17:48

Turbidimeter 073008-02

Standard	Reading	± 1070
4.92	4.31	no (4.43-5.41) *
61	60.5	yes
552	561	yes

Orion 4 Star #100907-09

1413 standard

1470 reading

4 Star #100907-06

1413 standard

1493 reading

4 Star #100907-10

1413 standard

1465 reading

78

10/26/09

10/26/09

Orion 4 Star #100907-05

1413 standard

1805 reading

pH post check

meter 100907-09 - Red tagged

standard reading @ 16.2°C

7.00 | 7.56 * (off) *

4.01 | 4.51 * (off) *

Note - meter attempted to recalibrate in field

Orion meter 100907-05

standard reading

7.00 | 6.94

4.01 | 4.07

Orion meter 100907-06

standard reading

7.0 | 7.05

4.01 | 4.04

meter # 100907-10

standard reading @ 20.1°C

7.0 | 7.09

4.01 | 4.09

Cool, light rain

outside temp - 12.7°C

07:00

Meter calibration by Tim Simpson

pH meter 100907-05

standard	readings
7.00	7.04 @ 12.4°C
4.01	4.00

slope - 93.4

pH probe - 12.5°C

NIST Thermometer - 12.7°C

conductivity

1413 Standard, 1413 readings

cell - 0.508

OAKTON pH buffers

7.4.00 4.01 exp Sept 2010
 10/27/09 10/27/09 Lot 2809533

7.00 exp - Oct 2010
 Lot 28010392

4 Star Meter # 100907-06

pH calibration

standard	reading
7.00	7.05 10/27/09 7.04
4.01	4.00

slope - 97.9
 @ 12.4°C

pH probe - 12.5°C

NIST probe - 12.5°C

Conductivity

1413 Standard @ 12.9°C

1413 readings

cell - 0.477

probe - 12.8°C

NIST - 12.5°C

18

10/27/09

10/27/09

4 Star meter #100907-10

Standard	Reading	TS
7.00	7.01	@ 25.1°C 13.5°C
4.01	4.01	10/27
Slope	97.6	NIST - 13.8°C
		PH probe - 13.5°C

conductivity probe

1413 standard @ 13.5°C

1413 readings cell 0.474

probe - 13.7°C

NIST - 13.8°C

18

10/27/09

10/27/09

Turbidimeter #9906100021398

STANDARD	reading	± 10%
5	5.03	yes
50.4	54.6	yes
51.6	50.3	yes
gel standard	lot	9064

Turbidimeter #073008-02

standard	reading	± 10%
4.92	3.74	no (4.43-5.41)
61	59.1	yes
552	560	yes
gel standard	lot	

Turbidimeter 950400007630

standard	reading	± 10%
4.70	3.93	no (4.23-5.17)
56.9	56.3	yes
556	559	yes
gel standard	lot	9064

10/27/09

Turkometer #0101 000 27647

standard	reading	± 10%
4.13	3.49	no (3.31 - 4.54)
52	52.1	yes
531	532	yes

gel standard (at A9064)
cal due 11/05/09

pH meter 100907-09

standard	reading	
7.00	7.04	@ 12.4°C
4.01	—	

slope
checked vs 10 buffer

Red tagged meter
- Bad probe *

78

10/27/09

10/27/09

Orion 4 Star meter #100907-08

standard	reading	
4.01	4.00	slope = 99.1
7.00	7.04	@ 12.5°C
slope	4.00	78 10/27/09

pH probe - 12.5°C
NIST - 12.4°C

Conductivity

1413 standard

1413 reading

cell = 0.470

NIST - 12.3°C

Probe - 12.1°C

18

10/27/09

10/27/09

Meter post check by Tim Simpson
4 Star meter 100907-06

1413 Standard @ 13.8°C
1462 reading

pH Buffer

7.00 / reading 7.01

4.01 / reading 4.03

18 10/27/09

Post check Turbidimeter 950400007630

standard reading $\pm 10\%$

4.70 | 6.41 | No (4.23-5.17)

56.9 | 72.2 | No (51.21-62.59)

556 | 600 | Yes

cal due 11/05/09

18

10/27/09

21

10/27/09

16:37

Post check

by Tim Simpson

standard	reading	$\pm 10\%$
4.22	3.8	yes
53.8	53.4	yes
533	528	yes

Post check 4 Star meter
100907-10

1413 Standard

1471 Reading @ 13.7°C

4 Buffer / 4.05 reading

7.01 Buffer / 7.10 reading

78

10/27/09

10/27/09

1440:

Turbidimeter # 890400021398

- Batteries changed
- meter error. will not respond
- meter feel tagged

1442 Post check Turbidimeter # 010100027647
 Standard / reading $\pm 10\%$ by Tim Simpson

4.13	5.17	no (3.71 - 4.54)
52	68.7	no (46.8 - 57.2)
531	584	yes

921 - lot A960 A9064
 75
 10/27

post check of : 07008-02 10/27/09

073008-02 - Turbidimeter

100907-05 pH

done w/ Jon Vail's log book

Postcheck by Jon Vail

1/1
 10/27/09

10/27/09

pH meter 100907-08 Post check
 by Tim Simpson

7.00 standard / 7.10 reading
 4.01 standard / 4.10 reading
 1413 standard / 1403 reading

Calibration check

Turbidimeter 950400007644

921 standard lot A9064

Standard	Reading	$\pm 10\%$
4.22	3.91	yes
53.8	52.8	yes
533	532	yes

- meter put into service

pH buffer
pH used

4.01 lot 2809533-exp 2010 (Sept)

7.00 lot 2810392-Oct 2010 exp

BOTH OAKTON Buffers

Conductivity - 1413 standard

lot MRLC Exp 09/2010

10123104

07:00 Meter Calibration by Tim Simpson

Turbidimeter # 9504000 7644

Standard Readings $\pm 10\%$

4.22 | 3.56 no gel lot A9064

53.8 | 53.3 yes

553 | 527 yes

low standard out of range (3.8-4.64)

pH meter ~~100900~~ ¹⁰¹²⁸ 100907-10

buffer readings

7.00 / 7.31 @ 11.8°C

4.01

slope

NIST Temp (#031407-06) - 11.5°C

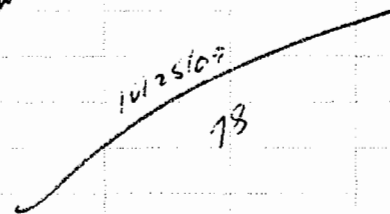
probe Temp - 11.2°C

note - Error on pH - Recalibrated

7.00 / 7.25 (readings)

4.01 / 4.16

Slope



10-28-05

Turbidimeter # 073008-02

Standard | reading $\pm 10\%$

4.92 | 3.69 no gel lot 8178

61 | 54.4 yes

552 | 556 yes

low standard out of range (4.43-5.41)

cal due 11/05/05

4 STAR meter 100907-05

Buffer | readings

7.0 | 7.05 @ 11.4°C

4.0 | 4.01

Slope - 93.4

note - Fisher Buffer

NIST probe 11.5°C

cond probe 11.4°C

1413 standard @ 11.4°C

1413 readings

cell - 0.474

Turbidimeter # 950400007630

Standard	Reading	$\pm 10\%$
4.70	4.07	no (4.23-5.17)
56.9	58.6	yes
gel lot A9064		
556	566	yes

Note cool due 11/05/09

pH meter # 100907-06

Buffer 7.0	7.0	slope 97.2
4.0	4.0	@ 11.9°C
slope		NIST 11.9°C

Cond 1413 @ 12°C
 reading 1413
 cell 0.477

probe - 11.9°C
 NIST - 11.8°C

Turbidimeter # 010100027647

Standard	Reading	\pm
4113	3.61	no
52	54.2	yes
531	53.8	yes
gel lot A9064		

Low out of range (3.71-4.54)
 probably due to cool weather

pH meter 100907-09

4.01	4.37	@ 12.1°C
7.00	7.05	
		slope 90.4

checked against 10.0
 readings - 10.4 @ 11.6°C

1413 standard @ 11.8°C
 1413 reading
 cell 0.490
 probe - 12.2°C
 NIST - 12.2°C

10/28/09

pH meter # 100907-08

	reading	
4.01	4.09	@ 11.6°C
7.00	7.05	
	slope	101.1

probe - 11.6°C

NIST - 11.7°C

conductivity

1413 standard @ 11.6°C

1413 reading

cell - 0.484

Note - red tag pH meter 100907-10 *

11/1
10/28/09

10/28/09

16:05 water post check by Tim Simpson

Turbidimeter # 010100827647

standard	reading	± 10%
4.13	4.12	yes
52	52.6	yes
531	528	yes

gel - lot A9064

pH meter 100907-08

buffer	reading	
4.01	4.01	@ 15.3°C
7.00	7.00	

1413 standard

1461 reading

16:20 Turbidimeter 950400007630

gel lot A9064

standard	reading	± 10%
4.70	4.86	yes
56.9	58.6	yes
596	567	yes

Meter Post check By Tim Simpson

4 star PH meter # 100907-06

Buffer / Reading

7.00 / 7.05 @ 19.9°C

4.01 / 3.96 @ 20.0°C

1413 standard

1439 reading @ 20.6°C

4 star meter 100907-09

1413 standard

1443 Reading @ 21.4°C

pH Buffer / reading

4.01 / 4.03 @ 21.5°C

7.00 / 6.98

Turbidimeter 950400007644

Standard / reading / ±10%

4.22 / 4.39 / yes

53.8 / 54 / yes

533 / 532 / yes

gcl - lot A 9064

Meter Calibration by Tim Simpson

0705

Outside temp 8.1°C

pH meter # 100907-09

Buffer / Reading

4.01 / 4.04 @ 8.4°C

7.00 / 7.06 slope 93.1

1413 standard

1413 readings @ 9.1°C

cell 0.479

pH meter # 100907-06

Buffer / reading

4.01 / 4.00

7.00 / 7.07 @ 8.2°C

slope = 97.9

1413 Buffer

1413 reading cell 0.479

10/29/09

10/29/09 meter Post check by Tim Simpson

Turbidimeter - Hach 2100P

11:05 meter # 010100027642

standard	reading	±10%
4.13	3.55	no (3.71-4.54)
52	52.8	yes
531	534	yes

14:40 Turbidimeter # 950400007630

standard / reading ±10%

4.70	4.94	yes
56.9	59.4	yes
556	569	yes

Turbidimeter # 073008-02

standard	reading	±10%
4.92	4.95	yes
61	61.2	yes
552	554	yes

Turbidimeter # 950400007644

standard	reading	±10%
4.22	4.03	yes
53.8	52.8	yes
553	528	yes

pH meter # 100907-08

buffer	reading	1413 standard
4.01	4.05	1482 Reading
7.00	6.92	@22°C

pH meter # 100907-06

Buffer	Reading	1413 standard
4.01	3.93	1442 reading @ 22.5°C
7.00	6.96	

pH meter # 100907-05

Buffer	reading	1413 standard
4.01	3.93	1412 Reading
7.00	7.02	@ 23.4°C

pH meter # 100907-09

buffer	reading	1413 standard
4.01	4.398	1467 Reading
7.00	6.97	@ 21.4°C

Turbidimeter # 8 red tagged

10/29/09

Turbidimeter # 95040000 7644

Standard readings $\pm 10\%$

4.22 | 3.33 | no (3.8 - 4.64)

53.8 | 53.1 | yes

53.3 | 52.9 | yes

Turbidimeter # 01012 7647

Standard readings $\pm 10\%$

4.13 | 3.15 | no (3.71 - 4.54)

52 | 51.3 | yes

53.1 | 52.6 | yes

Turbidimeter 95040000 7630

Standard readings $\pm 10\%$

4.70 | 3.70 | no (4.23 - 5.17)

56.9 | 57.2 | yes

55.6 | 56.4 | yes

Turbidimeter # 073008-02

Standard readings $\pm 10\%$

4.92 | 3.2 | (4.43 - 5.41)

6.1 | 58.3 | yes

55.2 | 54.9 | yes

10/29/09

pH meter # 100907-08

1413 standard cell 0.481

1413 reading

Buffer | Standard

4.01 | 4.09

7.00 | 7.06

@ 9.0°C

Slope - 0.2.4

CNA probe - 8.9°C

NIST Temp - 9.0°C

pH meter 100907-05

standard readings

4.01 | 4.00

7.00 | 7.06

Slope 92.2

@ 8.3°C

1413 standard

1413 reading @ 9.5°C

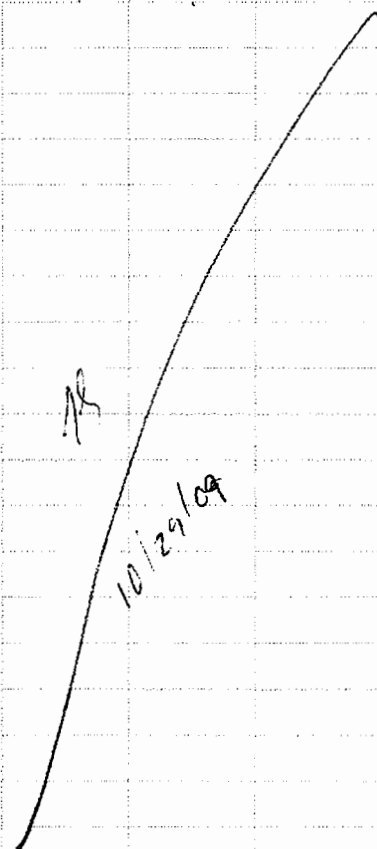
cell 0.470

probe - 8.8°C

NIST 8.5°C

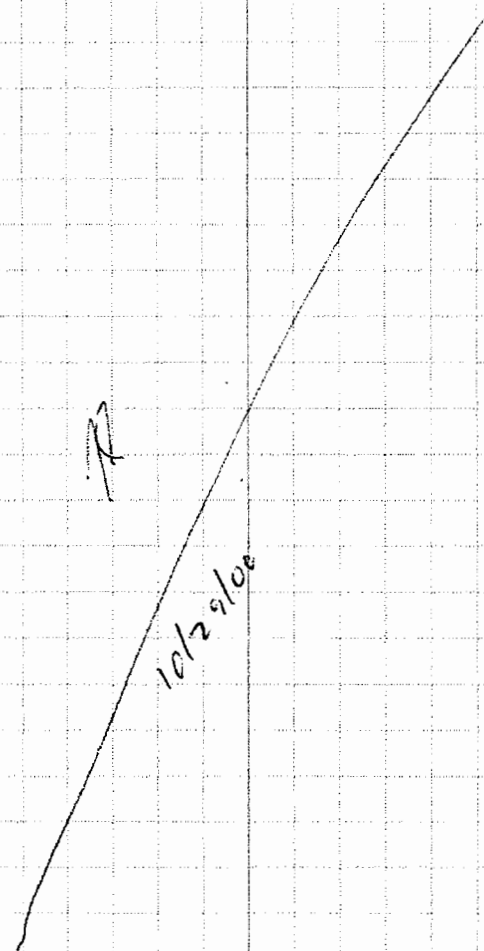
10/29/09

All Log Books turned over
to START



10/29/09

END of Log Book



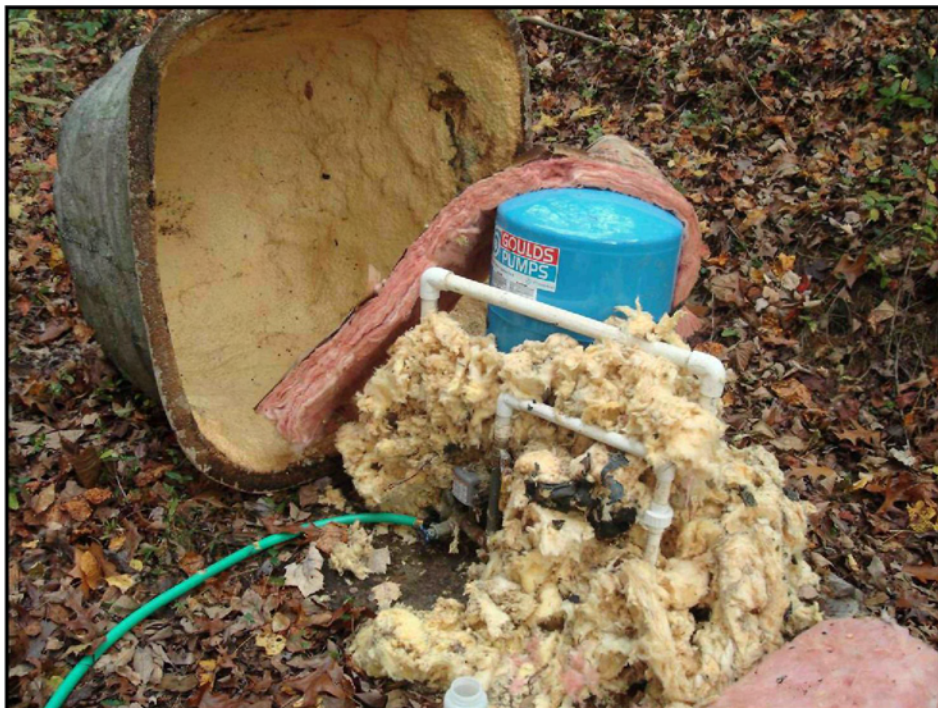
ATTACHMENT D
PHOTOGRAPHIC LOG
(9 Pages)



Official Photograph No. 1

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Greg Kowalski, START
Subject: Well head at location MGPW072.

Date: October 26, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 2

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Greg Kowalski, START
Subject: Well head at location MGPW085.

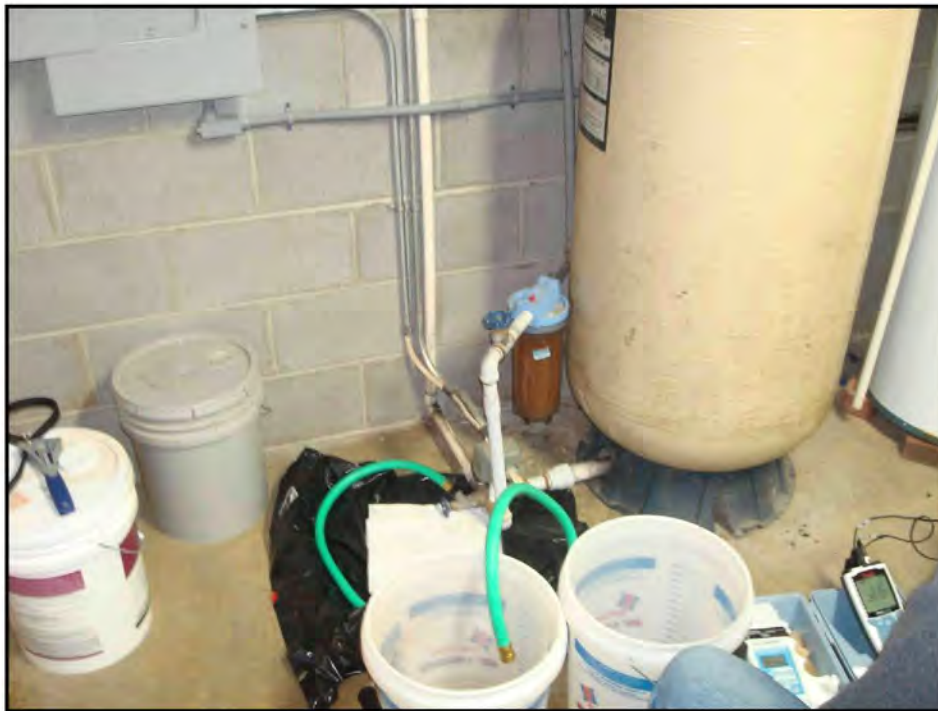
Date: October 26, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 3

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Greg Kowalski, START
Subject: Well head at location MGPW073.

Date: October 26, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 4

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Greg Kowalski, START
Subject: Sample collection point in the basement at location MGPW010.

Date: October 28, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 5

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Greg Kowalski, START
Subject: Well head at location MGPW114.

Date: October 28, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 6

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Ryan Stubbs, START
Subject: Sample collection point at location MGPW017.

Date: October 26, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 7

Site Name:	Mills Gap (Assessment)	Date:	October 28, 2009
Location:	Asheville, Buncombe County, NC	TDD No:	TNA-05-003-0055
Photographer:	Ryan Stubbs, START		
Subject:	Sample collection point at location MGPW045.		



Official Photograph No. 8

Site Name:	Mills Gap (Assessment)	Date:	October 28, 2009
Location:	Asheville, Buncombe County, NC	TDD No:	TNA-05-003-0055
Photographer:	Ryan Stubbs, START		
Subject:	Well head at location MGPW013.		



Official Photograph No. 9

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Ryan Stubbs, START
Subject: Well head at location MGPW100.

Date: October 29, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 10

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Ryan Stubbs, START
Subject: Sample collection point at location MGPW022.

Date: October 29, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 11

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Amanda Miolen, START
Subject: Well head at location MGPW024.

Date: October 26, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 12

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Amanda Miolen, START
Subject: Sample collection point at location MGPW101.

Date: October 28, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 13

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Amanda Miolen, START
Subject: Well head at location MGPW102.

Date: October 28, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 14

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Amanda Miolen, START
Subject: Well head at location MGPW130.

Date: October 29, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 15

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Jon Vail, SESD
Subject: Well head at location MGPW006.

Date: October 29, 2009
TDD No: TNA-05-003-0055



Official Photograph No. 16

Site Name: Mills Gap (Assessment)
Location: Asheville, Buncombe County, NC
Photographer: Jon Vail, SESD
Subject: Sample collection point at location MGPW081.

Date: October 29, 2009
TDD No: TNA-05-003-0055