BILL RITTER, JR
Governor

DONALD J. MARES
Executive Director

MAHESH ALBUQUERQUE
Director of Oil and Public Safety

DEPARTMENT OF LABOR AND EMPLOYMENT
Division of Oil and Public Safety
Remediation Section
633 17th Street, Suite 500
Denver, Colorado 80202-3610
(303) 318-8500; Fax (303) 318-8546
Website: http://oil.cdle.state.co.us

December 8, 2009

JEFF KNUCKLES
NJR COLORADO PROPERTIES LLC
7579 CR 203
DURANGO CO 81301

Re: Petroleum Storage Tanks (PST) at the former Sawmill Property, Junction of US Highway 160 and CO Highway 84, Pagosa Springs, Archuleta County, Colorado. (Event ID 8310)

Dear Mr. Knuckles:

The Division of Oil and Public Safety (OPS) has reviewed the Monitoring and Remediation Report and closure request for the above referenced site that was received on November 2, 2009.

Based solely upon the information submitted it appears you have removed the source of contamination and reduced the potential for endangerment to human health, safety, and the environment as a result of the contamination at this property. In light of the remedial action taken at this site, OPS does not require any further investigation or remedial action at this time. If conditions change, OPS reserves the right to determine if any additional actions are necessary. This no further action (NFA) letter is in reference to the 8,000-gallon PST and the 4,000-gallon PST that were removed on July 1, 1980.

OPS cannot release you from any liability that may be associated with any contamination at or from this site.

Please address correspondence regarding this site to me. If you have any questions call me at (303) 318-8543.

Sincerely,

Dawn M. Anderson
Environmental Protection Specialist
Remediation Section

cc: Laura Smith, P.E., Remediation Section Manager
John Casey, Basin Engineering, Inc., P.O. Box 3909, Durango, CO 81302

Department of Labor and Employment
Division of Oil and Public Safety
633 17th Street, Suite 500
Denver, CO 80202-3660
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Website: http://oil.cdle.state.co.us

Monitoring and Remediation Report

Version 1.3
Date Modified March 5, 2008

Monitoring and Remediation Report
Site Information

Event ID: 8310 **Reporting Period:** Qtr 3 **Year:** 2009

SITE INFORMATION					
Site Name:	Former Sawmill Property	Business on Site:	Vacant		
Site Address:	Junction of US Highway 160 & CO Highway 84				
City:	Pagosa Springs	County:	Archuleta	Zip Code:	81147
Phone Number:	970.385.7265	Fax Number:			
Site Contact Person:	Jeff Knuckles	Email:			

OWNER/OPERATOR INFORMATION					
Name:	NJR Colorado Properties LLC				
Address:	7579 CR 203				
City:	Durango	State:	CO	Zip Code:	81301
Phone Number:	970.385.7265	Fax Number:			
Contact Person:	Jeff Knuckles	Email:			

ENVIRONMENTAL CONSULTANT INFORMATION					
Name:	Basin Engineering, Inc.				
Address:	P.O. Box 3909				
City:	Durango	State:	CO	Zip Code:	81302
Phone Number:	970.259.2078 ext. 17	Fax Number:	970.385.4812		
Contact Person:	John E. Casey, P.E.	Email:	jec@basinengineering.net		

SITE HISTORICAL INFORMATION	RESPONSE
Is the facility open and actively dispensing fuel?	No
If the facility no longer dispenses fuel what is the current use of the property?	Vacant
Number of tanks in use (locate tanks on site map)	0
Number of tanks removed (locate former tank pit on site map)	2
Tanks closed in place (locate closed tanks on site map)	0
Date(s) of tank closure	7/1/1980
Has contaminated soil been excavated?	Yes
Quantity of contaminated soil excavated (yd^3)	430
Disposition of contaminated soil	Land Farm-Onsite

SITE LITHOLOGY AND AQUIFER PARAMETERS	RESPONSE
Predominant lithology in the unsaturated zone	Silty Clay
Secondary lithology noted in the unsaturated zone	Weathered Bedrock
Predominant lithology in the saturated zone	Fractured Bedrock
Secondary lithology noted in the saturated zone	
Is more than one aquifer present?	No
Primary aquifer impacted by the release	Unconfined
Other aquifer impacted by the release	NA
Hydraulic conductivity of the impacted aquifer in cm/sec (measured)	
Estimated effective porosity in the saturated zone	
Hydraulic gradient	0.0382
Estimated groundwater flow velocity in ft/day (1 cm/sec = approximately 2,835 ft/day)	

Site Status

Event ID: 8310 **Reporting Period: Qtr 3** **Year: 2009**

SITE CLASSIFICATION					
Site Classification:	4.2	Previous Period Classification:	4.2	MTBE Classification:	Pathway Eliminated

RELEASE INFORMATION							
Product Released:		RUL	Quantity in Gallons:	unk	2nd Product Released:	Diesel	
Source of Release:	Tank	Cause of Release:	Unknown	Release Discovery:	Site Assessment	Release Detail:	Soil Analytical

GROUNDWATER	RESPONSE
Status of the benzene plume	Diminishing
Status of the MTBE plume	
Status of toluene, ethylbenzene, and/or xylene plume	Diminishing
General flow direction during this reporting period	Southwest
Is this consistent with the flow direction from the previous reporting period?	No
Historical predominant flow direction	West Northwest
Was free product, not previously identified, detected this reporting period?	No

SOIL	RESPONSE
Were additional soil samples collected during this reporting period?	No
If so, was there an RBSL exceedance in soil?	

VAPOR	RESPONSE
Is the soil vapor to indoor air pathway complete?	No
Is the groundwater to indoor air pathway complete?	No
Were indoor air samples collected this monitoring period?	No
Did indoor concentrations exceed ambient samples?	
Was a survey conducted of materials/products used inside the structure?	

POE	RESPONSE
New potential receptors *identified* during this reporting period	NA
Previously unaffected receptors *impacted* during this reporting period	NA

REMEDIATION/CLEANUP GOAL	RESPONSE
Projected closure date	11/1/2009
Does monitoring data indicate that cleanup goals will be met by this date?	Yes
If not, what is the new projected closure date?	
Did the remedial system operate continuously during this reporting period?	NA
If not, approximately what % of the time was the system operational?	
Is the rate of mass removal from the remedial system asymptotic?	NA
Is a CAP Modification required for the site?	No
Does this report include a request for No Further Action?	Yes

Table 1 - Laboratory Results and Groundwater Elevations

Event ID: 8310 Reporting Period: Qtr 3 Year: 2009

Well ID	Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TEPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Water Table Elevation, Corrected for Product Thickness (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)
MW-1	29-Aug-00	**0.5500**	0.1800	**0.7000**	**3.7000**	**0.0500**			7056.05	7051.05	7036.05	2.0				0	na	0.00	
MW-1	6-Sep-01	**0.5900**	0.2000	**0.7000**	**3.8600**	**0.0890**			7056.05	7051.05	7036.05	2.0	7042.49	13.56		0	no	6.44	
MW-1	7-Feb-02	**0.5300**	0.1900	0.4900	**3.8000**	**0.0630**			7056.05	7051.05	7036.05	2.0	7039.81	16.24		0	no	3.76	
MW-1	7-Jun-02	**0.4000**	0.1300	0.0920	**2.5900**		12.0000	1.0000	7056.05	7051.05	7036.05	2.0	7039.83	16.22		0	no	3.78	
MW-1	19-Aug-02	**0.2200**	0.6000	0.0740	**1.4000**		9.8000	1.0000	7056.05	7051.05	7036.05	2.0	7040.83	15.22		0	no	4.78	
MW-1	13-Dec-02	**0.3600**	0.1200	0.5300	**2.3000**		14.0000	62.0000	7056.05	7051.05	7036.05	2.0	7043.83	12.22		0	no	7.78	
MW-1	20-May-03	**0.3400**	0.9600	0.4400	**2.6100**	**0.2200**			7056.05	7051.05	7036.05	2.0	7043.73	12.32		0	no	7.68	
MW-1	2-Dec-03	**0.9500**	0.1700	0.6700	**3.5300**	0.0010			7056.05	7051.05	7036.05	2.0	7047.30	8.75		0	no	11.25	
MW-1	10-May-04	**0.5600**	0.7800	0.3300	**1.7300**	0.0010			7056.05	7051.05	7036.05	2.0	7047.37	8.68		0	no	11.32	
MW-1	7-Oct-04	**2.1000**	0.1000	**0.7700**	**3.7700**	0.0010	29.0000	1.0000	7056.05	7051.05	7036.05	2.0	7047.27	8.78		0	no	11.22	
MW-1	18-Apr-05	**2.2000**	0.1500	**0.9700**	**4.6000**	0.0010	40.0000	1.0000	7056.05	7051.05	7036.05	2.0	7048.80	7.25		0	no	12.75	
MW-1	10-Oct-05	**1.7000**	0.1200	**0.9800**	**3.6000**	0.0010	22.0000	1.0000	7056.05	7051.05	7036.05	2.0	7047.80	8.25		0	no	11.75	
MW-1	11-Jan-06	**1.5000**	0.0960	**0.7400**	**3.7000**	0.0010	21.0000	1.0000	7056.05	7051.05	7036.05	2.0	7042.14	13.91		0	no	6.09	
MW-1	1-May-06	**0.6900**	0.1100	0.6500	**3.2000**	0.0010	21.0000	1.0000	7056.05	7051.05	7036.05	2.0	7047.47	8.58		0	no	11.42	
MW-1	15-Aug-06								7056.05	7051.05	7036.05	2.0				0	na	0.00	DES
MW-1R	15-Aug-06	**1.2000**	0.1200	**1.0000**	**4.9000**	0.0010	39.0000	2.5000	7055.85	7050.85	7035.85	2.0	7047.12	8.73		0	no	11.27	
MW-1R	17-Apr-07	**0.5500**	0.0590	0.3700	**1.5000**	0.0010	11.0000	1.0000	7055.85	7050.85	7035.85	2.0	7048.94	6.91		0	no	13.09	
MW-1R	14-Aug-07	0.0010	0.0010	0.0010	0.0020	0.0010	1.0000	1.0000	7055.85	7050.85	7035.85	2.0	7044.09	11.76		0	no	8.24	
MW-1R	15-Apr-08	**0.6700**	0.0600	0.0600	**1.6000**	0.0010	10.0000	1.0000	7055.85	7050.85	7035.85	2.0	7049.52	6.33		0	no	13.67	
MW-1R	6-Aug-08	**0.5300**	0.2800	0.5500	**2.2000**	0.0100	17.0000	1.4000	7055.85	7050.85	7035.85	2.0	7042.40	13.45		0	no	6.55	
MW-1R	20-Nov-08	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7055.85	7050.85	7035.85	2.0	7041.15	14.70		0	no	5.30	
MW-1R	4-Mar-09	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7055.85	7050.85	7035.85	2.0	7047.33	8.52		0	no	11.48	
MW-1R	8-Jun-09	0.0010	0.0010	0.0010	0.0020	0.0025	0.0500	1.0000	7055.85	7050.85	7035.85	2.0	7044.38	11.47		0	no	8.53	
MW-1R	24-Sep-09	0.0020	0.0020	0.0020	0.0050	0.0100	0.5000	0.5000	7055.85	7050.85	7035.85	2.0	7041.25	14.60		0	no	5.40	
MW-2	29-Aug-00	**0.0150**	0.0014	0.0170	0.0310	0.0025										0	na	0.00	
MW-2	6-Sep-01															0	na	0.00	DES
MW-2R	6-Sep-01	0.0033	0.0010	0.0020	0.0020	0.0052			7054.21	7051.21	7036.21	2.0	7043.63	10.58		0	no	7.42	
MW-2R	7-Feb-02	0.0021	0.0010	0.0010	0.0020	0.0010			7054.21	7051.21	7036.21	2.0	7040.84	13.37		0	no	4.63	
MW-2R	7-Jun-02	0.0010	0.0010	0.0010	0.0020		1.0000	1.0000	7054.21	7051.21	7036.21	2.0	7041.04	13.17		0	no	4.83	
MW-2R	19-Aug-02	0.0010	0.0010	0.0010	0.0020		1.0000	1.0000	7054.21	7051.21	7036.21	2.0	7041.87	12.34		0	no	5.66	
MW-2R	13-Dec-02	0.0010	0.0010	0.0010	0.0020		1.0000	1.0000	7054.21	7051.21	7036.21	2.0	7045.53	8.68		0	no	9.32	
MW-2R	20-May-03	0.0010	0.0010	0.0010	0.0020	0.0010			7054.21	7051.21	7036.21	2.0	7045.99	8.22		0	no	9.78	
MW-2R	2-Dec-03	0.0010	0.0010	0.0010	0.0020	0.0010			7054.21	7051.21	7036.21	2.0	7048.55	5.66		0	no	12.34	
MW-2R	10-May-04	0.0010	0.0010	0.0010	0.0020	0.0010			7054.21	7051.21	7036.21	2.0	7049.17	5.04		0	no	12.96	
MW-2R	7-Oct-04	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7048.01	6.20		0	no	11.80	
MW-2R	18-Apr-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7049.87	4.34		0	no	13.66	
MW-2R	10-Oct-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7046.83	7.38		0	no	10.62	
MW-2R	11-Jan-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7043.38	10.83		0	no	7.17	
MW-2R	1-May-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7048.60	5.61		0	no	12.39	
MW-2R	15-Aug-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7047.57	6.64		0	no	11.36	
MW-2R	17-Apr-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7050.12	4.09		0	no	13.91	
MW-2R	14-Aug-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7045.83	8.38		0	no	9.62	
MW-2R	15-Apr-08	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7050.42	3.79		0	no	14.21	
MW-2R	6-Aug-08	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7044.07	10.14		0	no	7.86	
MW-2R	20-Nov-08	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7042.67	11.54		0	no	6.46	
MW-2R	4-Mar-09	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7048.16	6.05		0	no	11.95	

Table 1 - Laboratory Results and Groundwater Elevations

Event ID: 8310 Reporting Period: Qtr 3 Year: 2009

Well ID	Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TEPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Water Table Elevation, Corrected for Product Thickness (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)
MW-2R	8-Jun-09	0.0010	0.0010	0.0010	0.0020	0.0025	0.0500	1.0000	7054.21	7051.21	7036.21	2.0	7045.87	8.34		0	no	9.66	
MW-2R	24-Sep-09	0.0020	0.0020	0.0020	0.0050	0.0100	0.5000	0.5000	7054.21	7051.21	7036.21	2.0	7042.61	11.60		0	no	6.40	
MW-3	29-Aug-00	**0.7500**	0.4600	0.4300	**4.1000**	0.0025			7056.81	7051.81	7036.81	2.0	7042.97	13.84		0	no	6.16	
MW-3	6-Sep-01	**1.1000**	0.2200	**0.7700**	**4.9000**	0.0010			7056.81	7051.81	7036.81	2.0	7042.53	14.28		0	no	5.72	
MW-3	7-Feb-02	**0.3500**	0.0660	0.2500	**2.4000**	**0.0300**			7056.81	7051.81	7036.81	2.0	7040.27	16.54		0	no	3.46	
MW-3	7-Jun-02	**0.0690**	0.0120	0.0620	0.3900		1.9000	1.0000	7056.81	7051.81	7036.81	2.0	7040.32	16.49		0	no	3.51	
MW-3	19-Aug-02	**0.1000**	0.0140	0.1100	0.8200		1.8000	1.0000	7056.81	7051.81	7036.81	2.0	7041.29	15.52		0	no	4.48	
MW-3	13-Dec-02	**0.3200**	0.0120	0.1700	0.6200		3.3000	1.0000	7056.81	7051.81	7036.81	2.0	7044.43	12.38		0	no	7.62	
MW-3	20-May-03	**0.3500**	0.0250	0.2900	**1.7700**	**0.1100**			7056.81	7051.81	7036.81	2.0	7044.33	12.48		0	no	7.52	
MW-3	2-Dec-03	**0.3700**	0.0300	0.4900	**2.0800**	0.0010			7056.81	7051.81	7036.81	2.0	7047.97	8.84		0	no	11.16	
MW-3	10-May-04	**0.4600**	0.0100	0.1700	0.5100	0.0010			7056.81	7051.81	7036.81	2.0	7048.27	8.54		0	no	11.46	
MW-3	7-Oct-04	**0.5200**	0.0010	0.6000	**2.8300**	0.0010	16.0000	1.0000	7056.81	7051.81	7036.81	2.0	7047.97	8.84		0	no	11.16	
MW-3	18-Apr-05	**0.9900**	0.0480	0.5200	**2.6700**	0.0010	41.0000	1.0000	7056.81	7051.81	7036.81	2.0	7049.68	7.13		0	no	12.87	
MW-3	10-Oct-05								7056.81	7051.81	7036.81	2.0				0	na	0.00	DES
MW-3R	15-Aug-06	**0.0560**	**0.0071**	0.0030	0.0088	0.0010	0.2900	1.0000	7056.81	7051.81	7036.81	2.0	7047.52	9.29		0	no	10.71	
MW-3R	17-Apr-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7056.81	7051.81	7036.81	2.0	7049.63	7.18		0	no	12.82	
MW-3R	14-Aug-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7056.81	7051.81	7036.81	2.0	7045.00	11.81		0	no	8.19	
MW-3R	15-Apr-08	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7056.81	7051.81	7036.81	2.0	7050.17	6.64		0	no	13.36	
MW-3R	6-Aug-08	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7056.81	7051.81	7036.81	2.0	7042.99	13.82		0	no	6.18	
MW-3R	20-Nov-08	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7056.81	7051.81	7036.81	2.0	7041.67	15.14		0	no	4.86	
MW-3R	4-Mar-09	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7056.81	7051.81	7036.81	2.0	7047.79	9.02		0	no	10.98	
MW-3R	8-Jun-09	0.0010	0.0010	0.0010	0.0020	0.0025	0.0500	1.0000	7056.81	7051.81	7036.81	2.0	7045.01	11.80		0	no	8.20	
MW-3R	24-Sep-09	0.0020	0.0020	0.0020	0.0050	0.0100	0.5000	0.5000	7056.81	7051.81	7036.81	2.0	7041.78	15.03		0	no	4.97	
MW-4	6-Sep-01	0.0010	0.0010	0.0010	0.0020	0.0010			7053.95	7050.95	7037.85	2.0	7041.29	12.66		0	no	3.44	
MW-4	13-Dec-02	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.95	7050.95	7037.85	2.0	7043.65	10.30		0	no	5.80	
MW-4	20-May-03	0.0010	0.0010	0.0010	0.0020	0.0010			7053.95	7050.95	7037.85	2.0	7042.59	11.36		0	no	4.74	
MW-4	2-Dec-03	0.0010	0.0010	0.0010	0.0020	0.0010			7053.95	7050.95	7037.85	2.0	7048.64	5.31		0	no	10.79	
MW-4	10-May-04	0.0010	0.0010	0.0010	0.0020	0.0010			7053.95	7050.95	7037.85	2.0	7048.07	5.88		0	no	10.22	
MW-4	7-Oct-04	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.95	7050.95	7037.85	2.0	7049.55	4.40		0	no	11.70	
MW-4	18-Apr-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.95	7050.95	7037.85	2.0	7050.21	3.74		0	no	12.36	
MW-4	10-Oct-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.95	7050.95	7037.85	2.0	7049.35	4.60		0	no	11.50	
MW-4	11-Jan-06								7053.95	7050.95	7037.85	2.0				0	na	0.00	DRY
MW-4	1-May-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.95	7050.95	7037.85	2.0	7048.16	5.79		0	no	10.31	
MW-4	15-Aug-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.95	7050.95	7037.85	2.0	7049.20	4.75		0	no	11.35	
MW-4	17-Apr-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.95	7050.95	7037.85	2.0	7049.84	4.11		0	no	11.99	
MW-4	14-Aug-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.95	7050.95	7037.85	2.0	7043.10	10.85		0	no	5.25	
MW-4	15-Apr-08								7053.95	7050.95	7037.85	2.0	7050.40	3.55		0	no	12.55	NOP
MW-4	6-Aug-08								7053.95	7050.95	7037.85	2.0	7040.12	13.83		0	no	2.27	NOP
MW-4	20-Nov-08								7053.95	7050.95	7037.85	2.0	7039.67	14.28		0	no	1.82	NOP
MW-4	4-Mar-09								7053.95	7050.95	7037.85	2.0	7045.32	8.63		0	no	7.47	NOP
MW-4	8-Jun-09								7053.95	7050.95	7037.85	2.0	7041.95	12.00		0	no	4.10	NOP
MW-4	24-Sep-09								7053.95	7050.95	7037.85	2.0	7039.72	14.23		0	no	1.87	NOP
MW-5	29-Aug-00	0.0010	0.0010	0.0010	0.0020	0.0010			7053.01	7048.01	7033.01	2.0				0	na	0.00	
MW-5	6-Sep-01	0.0010	0.0010	0.0010	0.0020	0.0010			7053.01	7048.01	7033.01	2.0	7039.41	13.60		0	no	6.40	
MW-5	7-Feb-02	0.0010	0.0010	0.0010	0.0020		0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7034.86	18.15		0	no	1.85	
MW-5	7-Jun-02	0.0010	0.0010	0.0010	0.0020		0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7034.73	18.28		0	no	1.72	NOP

Table 1 - Laboratory Results and Groundwater Elevations

Event ID: 8310 **Reporting Period:** Qtr 3 **Year:** 2009

Well ID	Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TEPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Water Table Elevation, Corrected for Product Thickness (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)
MW-5	19-Aug-02	0.0010	0.0010	0.0010	0.0020		0.2400	1.0000	7053.01	7048.01	7033.01	2.0	7035.61	17.40		0	no	2.60	
MW-5	13-Dec-02	0.0010	0.0010	0.0010	0.0020	0.0010			7053.01	7048.01	7033.01	2.0	7041.63	11.38		0	no	8.62	
MW-5	20-May-03	0.0010	0.0010	0.0010	0.0020	0.0010			7053.01	7048.01	7033.01	2.0	7040.61	12.40		0	no	7.60	
MW-5	2-Dec-03	0.0010	0.0010	0.0010	0.0020	0.0010			7053.01	7048.01	7033.01	2.0	7045.85	7.16		0	no	12.84	
MW-5	10-May-04	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7045.47	7.54		0	no	12.46	
MW-5	7-Oct-04	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7046.93	6.08		0	no	13.92	
MW-5	18-Apr-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7047.52	5.49		0	no	14.51	
MW-5	10-Oct-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7046.99	6.02		0	no	13.98	
MW-5	11-Jan-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7037.62	15.39		0	no	4.61	
MW-5	1-May-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7045.57	7.44		0	no	12.56	
MW-5	15-Aug-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7046.47	6.54		0	no	13.46	
MW-5	17-Apr-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7047.13	5.88		0	no	14.12	
MW-5	14-Aug-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7041.72	11.29		0	no	8.71	
MW-5	15-Apr-08	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7047.59	5.42		0	no	14.58	
MW-5	6-Aug-08	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7037.71	15.30		0	no	4.70	
MW-5	20-Nov-08	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7036.16	16.85		0	no	3.15	
MW-5	4-Mar-09	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7043.72	9.29		0	no	10.71	
MW-5	8-Jun-09	0.0010	0.0010	0.0010	0.0020	0.0025	0.0500	1.0000	7053.01	7048.01	7033.01	2.0	7039.88	13.13		0	no	6.87	
MW-5	24-Sep-09	0.0020	0.0020	0.0020	0.0050	0.0100	0.5000	0.5000	7053.01	7048.01	7033.01	2.0	7036.09	16.92		0	no	3.08	
MW-6	6-Sep-01	0.0010	0.0010	0.0010	0.0020	0.0010			7054.41	7051.01	7036.41	2.0	7043.13	11.28		0	no	6.72	
MW-6	7-Feb-02	0.0010	0.0010	0.0010	0.0020	0.0010			7054.41	7051.01	7036.41	2.0	7040.37	14.04		0	no	3.96	
MW-6	7-Jun-02	0.0010	0.0010	0.0010	0.0020		0.0500	1.0000	7054.41	7051.01	7036.41	2.0	7040.41	14.00		0	no	4.00	
MW-6	19-Aug-02	0.0010	0.0010	0.0010	0.0020		0.0500	1.0000	7054.41	7051.01	7036.41	2.0	7041.31	13.10		0	no	4.90	
MW-6	13-Dec-02	0.0010	0.0010	0.0010	0.0020		0.2400	1.0000	7054.41	7051.01	7036.41	2.0	7044.28	10.13		0	no	7.87	
MW-6	20-May-03	0.0010	0.0010	0.0010	0.0020	0.0010			7054.41	7051.01	7036.41	2.0	7044.39	10.02		0	no	7.98	
MW-6	2-Dec-03	0.0010	0.0010	0.0010	0.0020	0.0010			7054.41	7051.01	7036.41	2.0	7047.83	6.58		0	no	11.42	
MW-6	10-May-04	0.0010	0.0010	0.0010	0.0020	0.0010			7054.41	7051.01	7036.41	2.0	7047.76	6.65		0	no	11.35	
MW-6	7-Oct-04	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.41	7051.01	7036.41	2.0	7047.71	6.70		0	no	11.30	
MW-6	18-Apr-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.41	7051.01	7036.41	2.0	7048.98	5.43		0	no	12.57	
MW-6	10-Oct-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.41	7051.01	7036.41	2.0	7048.06	6.35		0	no	11.65	
MW-6	11-Jan-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.41	7051.01	7036.41	2.0	7042.65	11.76		0	no	6.24	
MW-6	1-May-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.41	7051.01	7036.41	2.0	7047.94	6.47		0	no	11.53	
MW-6	15-Aug-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.41	7051.01	7036.41	2.0	7047.49	6.92		0	no	11.08	
MW-6	17-Apr-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.41	7051.01	7036.41	2.0	7049.28	5.13		0	no	12.87	
MW-6	14-Aug-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7054.41	7051.01	7036.41	2.0	7045.00	9.41		0	no	8.59	
MW-6	15-Apr-08								7054.41	7051.01	7036.41	2.0	7049.75	4.66		0	no	13.34	
MW-6	6-Aug-08								7054.41	7051.01	7036.41	2.0	7042.99	11.42		0	no	6.58	
MW-6	20-Nov-08								7054.41	7051.01	7036.41	2.0	7041.61	12.80		0	no	5.20	NOP
MW-6	4-Mar-09								7054.41	7051.01	7036.41	2.0				0	na	0.00	INA
MW-6	8-Jun-09								7054.41	7051.01	7036.41	2.0	7044.98	9.43		0	no	8.57	NOP
MW-6	24-Sep-09								7054.41	7051.01	7036.41	2.0	7041.76	12.65		0	no	5.35	NOP
MW-7	6-Sep-01	0.0021	0.0018	0.0017	0.0077	0.0018			7052.76	7049.76	7034.76	2.0	7042.62	10.14		0	no	7.86	NOP
MW-7	7-Feb-02	0.0010	0.0010	0.0010	0.0020	0.0010			7052.76	7049.76	7034.76	2.0	7039.92	12.84		0	no	5.16	NOP
MW-7	7-Jun-02	0.0010	0.0010	0.0010	0.0020		0.0500	1.0000	7052.76	7049.76	7034.76	2.0	7039.87	12.89		0	no	5.11	
MW-7	19-Aug-02	0.0010	0.0010	0.0010	0.0020		0.0500	1.0000	7052.76	7049.76	7034.76	2.0	7040.94	11.82		0	no	6.18	
MW-7	13-Dec-02	0.0010	0.0010	0.0010	0.0020		0.0700	1.0000	7052.76	7049.76	7034.76	2.0	7043.90	8.86		0	no	9.14	

Table 1 - Laboratory Results and Groundwater Elevations

Event ID: 8310 **Reporting Period:** Qtr 3 **Year:** 2009

Well ID	Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TEPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Water Table Elevation, Corrected for Product Thickness (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)
MW-7	20-May-03	0.0010	0.0010	0.0010	0.0020	0.0010			7052.76	7049.76	7034.76	2.0	7043.84	8.92		0	no	9.08	
MW-7	2-Dec-03	0.0010	0.0010	0.0010	0.0020	0.0010			7052.76	7049.76	7034.76	2.0	7047.40	5.36		0	no	12.64	
MW-7	10-May-04	0.0010	0.0010	0.0010	0.0020	0.0010			7052.76	7049.76	7034.76	2.0	7047.43	5.33		0	no	12.67	
MW-7	7-Oct-04	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7052.76	7049.76	7034.76	2.0	7047.46	5.30		0	no	12.70	
MW-7	18-Apr-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7052.76	7049.76	7034.76	2.0	7048.78	3.98		0	no	14.02	
MW-7	10-Oct-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7052.76	7049.76	7034.76	2.0	7047.71	5.05		0	no	12.95	
MW-7	11-Jan-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7052.76	7049.76	7034.76	2.0	7042.28	10.48		0	no	7.52	
MW-7	1-May-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7052.76	7049.76	7034.76	2.0	7047.54	5.22		0	no	12.78	
MW-7	15-Aug-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7052.76	7049.76	7034.76	2.0	7047.19	5.57		0	no	12.43	
MW-7	17-Apr-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7052.76	7049.76	7034.76	2.0	7049.05	3.71		0	no	14.29	
MW-7	14-Aug-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7052.76	7049.76	7034.76	2.0	7044.65	8.11		0	no	9.89	
MW-7	15-Apr-08								7052.76	7049.76	7034.76	2.0	7049.60	3.16		0	no	14.84	NOP
MW-7	6-Aug-08								7052.76	7049.76	7034.76	2.0	7042.57	10.19		0	no	7.81	NOP
MW-7	20-Nov-08								7052.76	7049.76	7034.76	2.0	7041.33	11.43		0	no	6.57	NOP
MW-7	4-Mar-09								7052.76	7049.76	7034.76	2.0	7047.65	5.11		0	no	12.89	NOP
MW-7	8-Jun-09								7052.76	7049.76	7034.76	2.0	7044.54	8.22		0	no	9.78	NOP
MW-7	24-Sep-09								7052.76	7049.76	7034.76	2.0	7041.39	11.37		0	no	6.63	NOP
MW-8	6-Sep-01	0.0014	0.0018	0.0017	0.0077	0.0018			7055.07	7052.07	7037.07	2.0	7045.81	9.26		0	no	8.74	
MW-8	7-Feb-02	0.0010	0.0010	0.0010	0.0020	0.0010			7055.07	7052.07	7037.07	2.0	7043.90	11.17		0	no	6.83	
MW-8	7-Jun-02	0.0010	0.0010	0.0010	0.0020		0.0500	1.0000	7055.07	7052.07	7037.07	2.0	7044.27	10.80		0	no	7.20	
MW-8	19-Aug-02	0.0010	0.0010	0.0010	0.0020		0.0500	1.0000	7055.07	7052.07	7037.07	2.0	7044.67	10.40		0	no	7.60	
MW-8	13-Dec-02	0.0010	0.0010	0.0010	0.0020		0.0700	1.0000	7055.07	7052.07	7037.07	2.0	7047.49	7.58		0	no	10.42	
MW-8	20-May-03	0.0010	0.0010	0.0010	0.0020	0.0010			7055.07	7052.07	7037.07	2.0	7047.25	7.82		0	no	10.18	
MW-8	2-Dec-03	0.0010	0.0010	0.0010	0.0020	0.0010			7055.07	7052.07	7037.07	2.0	7050.25	4.82		0	no	13.18	
MW-8	10-May-04	0.0010	0.0010	0.0010	0.0020	0.0010			7055.07	7052.07	7037.07	2.0	7050.05	5.02		0	no	12.98	
MW-8	7-Oct-04	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7055.07	7052.07	7037.07	2.0	7049.77	5.30		0	no	12.70	
MW-8	18-Apr-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7055.07	7052.07	7037.07	2.0	7050.37	4.70		0	no	13.30	
MW-8	10-Oct-05	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7055.07	7052.07	7037.07	2.0	7049.45	5.62		0	no	12.38	
MW-8	11-Jan-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7055.07	7052.07	7037.07	2.0	7045.30	9.77		0	no	8.23	
MW-8	1-May-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7055.07	7052.07	7037.07	2.0	7050.27	4.80		0	no	13.20	
MW-8	15-Aug-06	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7055.07	7052.07	7037.07	2.0	7049.50	5.57		0	no	12.43	
MW-8	17-Apr-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7055.07	7052.07	7037.07	2.0	7051.80	3.27		0	no	14.73	
MW-8	14-Aug-07	0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000	7055.07	7052.07	7037.07	2.0	7047.42	7.65		0	no	10.35	
MW-8	15-Apr-08								7055.07	7052.07	7037.07	2.0	7051.27	3.80		0	no	14.20	NOP
MW-8	6-Aug-08								7055.07	7052.07	7037.07	2.0	7045.98	9.09		0	no	8.91	NOP
MW-8	20-Nov-08								7055.07	7052.07	7037.07	2.0	7043.64	11.43		0	no	6.57	NOP
MW-8	4-Mar-09								7055.07	7052.07	7037.07	2.0				0	na	0.00	INA
MW-8	8-Jun-09								7055.07	7052.07	7037.07	2.0	7047.62	7.45		0	no	10.55	NOP
MW-8	24-Sep-09								7055.07	7052.07	7037.07	2.0	7045.10	9.97		0	no	8.03	NOP

TOC = Surveyed elevation top of casing
TOS = Elevation top of screen
BOS = Elevation bottom of screen
mg/L = milligrams per liter

Well Status (if not sampled):
DRY =Dry
DES =Destroyed
INA =Inaccessible
NOP =Not on Monitoring Plan
FP =Free Product Present

Table 1 - Laboratory Results and Groundwater Elevations

Event ID: 8310 Reporting Period: Qtr 3 Year: 2009

Well ID	Date	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Xylenes (mg/L)	MTBE (mg/L)	TVPH (mg/L)	TEPH (mg/L)	TOC (ft)	TOS (ft)	BOS (ft)	Well Diameter (in)	Water Table Elevation, Corrected for Product Thickness (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	GW Above TOS	GW Column above BOS (ft)	Well Status (if not sampled)

Table 2 - Groundwater Parameters

Event ID: 8310 **Reporting Period:** Qtr 3 **Year:** 2009

Sample Location	Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Specific Conductance (µS/cm)	NO_3^- (mg/L)	Mn^{+2} (mg/L)	Fe^{+2} (mg/L)	SO_4^{-2} (mg/L)	CH_4 (mg/L)	Alkalinity (mg/L)	ORP (mV)	Bacteria Plate Count (cfu/mL)
MW-1	6-Sep-01	0.61	14.2	7.1									
MW-1	16-Oct-01	0.08	14.1	7.2									
MW-1	7-Jun-02	0.25	20.4	7.2									
MW-1	19-Aug-02	7.12	21.3	6.8	608.0								
MW-1	13-Dec-02	0.90	8.7	7.5	684.0								
MW-1	20-May-03	6.53	14.2	7.1	705.0								
MW-1	2-Dec-03	1.99	14.4	7.1	747.0								
MW-1	10-May-04	0.82	26.6	7.4	717.0								
MW-1	7-Oct-04	1.26	13.6	6.9	4150.0								
MW-1	18-Apr-05	1.37	13.0	6.9	4320.0								
MW-1	10-Oct-05	2.46	12.0	7.5	1090.0								
MW-1	11-Jan-06	1.25	11.8	7.4	797.0								
MW-1	1-May-06	1.36	10.6	7.7	813.0								
MW-1R	15-Aug-06	0.82	14.5	7.8	688.0								
MW-1R	17-Apr-07	1.22	9.0	8.5	918.0								
MW-1R	14-Aug-07	0.85	14.4	7.0	1829.0								
MW-1R	15-Apr-08	1.42	8.1	7.3	297.0								
MW-1R	6-Aug-08	0.37	12.4	7.3	810.0								
MW-1R	20-Nov-08	0.88	12.9	7.6	828.0								
MW-1R	4-Mar-09	1.26	9.3	8.4	901.0								
MW-1R	8-Jun-09	2.08	10.8	7.0	919.0								
MW-1R	24-Sep-09	1.40	12.1	7.2	774.0								
MW-2R	7-Jun-02	0.10	24.0	7.2	1265.0								
MW-2R	19-Aug-02	4.14	22.4	7.0	1366.0								
MW-2R	13-Dec-02	0.99	9.6	7.0	1740.0								
MW-2R	20-May-03	7.10	15.8	6.5	1820.0								
MW-2R	2-Dec-03	1.83	11.9	7.3	2720.0								
MW-2R	10-May-04	1.08	16.9	7.3	2015.0								
MW-2R	7-Oct-04	1.26	15.2	6.6	1158.0								
MW-2R	18-Apr-05	1.27	13.2	6.8	7980.0								
MW-2R	10-Oct-05	1.94	14.6	7.2	1750.0								
MW-2R	11-Jan-06	1.43	11.3	7.1	2150.0								

Table 2 - Groundwater Parameters

Event ID: 8310 **Reporting Period:** Qtr 3 **Year:** 2009

Sample Location	Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Specific Conductance (µS/cm)	NO_3^- (mg/L)	Mn^{+2} (mg/L)	Fe^{+2} (mg/L)	SO_4^{-2} (mg/L)	CH_4 (mg/L)	Alkalinity (mg/L)	ORP (mV)	Bacteria Plate Count (cfu/mL)
MW-2R	1-May-06	1.53	10.2	7.4	2010.0								
MW-2R	15-Aug-06	1.51	14.8	7.6	1546.0								
MW-2R	17-Apr-07	1.28	10.3	8.4	2401.0								
MW-2R	14-Aug-07	1.39	15.2	7.4	2513.0								
MW-2R	15-Apr-08	2.80	8.2	7.2	670.0								
MW-2R	6-Aug-08	1.08	13.4	7.5	2360.0								
MW-2R	20-Nov-08	1.10	14.3	8.2	2178.0								
MW-2R	4-Mar-09	2.62	9.8	8.3	2186.0								
MW-2R	8-Jun-09	2.56	14.6	6.8	2523.0								
MW-2R	24-Sep-09	1.78	13.7	7.1	2265.0								
MW-3	7-Jun-02	2.60	20.5	7.2	757.0								
MW-3	19-Aug-02	5.01	18.9	7.2	614.0								
MW-3	13-Dec-02	1.75	7.6	7.6	652.0								
MW-3	20-May-03	3.64	13.4	7.0	702.0								
MW-3	2-Dec-03	2.29	9.0	7.2	648.0								
MW-3	10-May-04	1.04	24.0	7.3	673.0								
MW-3	7-Oct-04	1.20	15.0	7.1	5150.0								
MW-3	18-Apr-05	1.27	13.2	6.9	5890.0								
MW-3R	15-Aug-06	1.12	15.2	7.6	973.0								
MW-3R	17-Apr-07	1.56	9.8	8.5	1553.0								
MW-3R	14-Aug-07	0.95	15.1	7.4	1365.0								
MW-3R	15-Apr-08	2.12	7.8	7.3	1065.0								
MW-3R	6-Aug-08	0.79	12.9	7.4	1227.0								
MW-3R	20-Nov-08	0.63	14.0	7.9	1238.0								
MW-3R	4-Mar-09												
MW-3R	8-Jun-09	1.34	11.6	6.9	1573.0								
MW-3R	24-Sep-09	0.97	13.6	6.9	1315.0								
MW-4	13-Dec-02	1.85	7.6	7.1	1150.0								
MW-4	20-May-03	7.98	16.0	6.7	1106.0								
MW-4	2-Dec-03	2.74	8.3	6.7	1199.0								
MW-4	10-May-04	1.24	23.5	7.2	1132.0								
MW-4	7-Oct-04	1.14	14.8	6.9	7970.0								

Table 2 - Groundwater Parameters

Event ID: 8310 **Reporting Period:** Qtr 3 **Year:** 2009

Sample Location	Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Specific Conductance (µS/cm)	NO_3^- (mg/L)	Mn^{+2} (mg/L)	Fe^{+2} (mg/L)	SO_4^{-2} (mg/L)	CH_4 (mg/L)	Alkalinity (mg/L)	ORP (mV)	Bacteria Plate Count (cfu/mL)
MW-4	18-Apr-05	1.26	12.2	6.9	7750.0								
MW-4	10-Oct-05	2.64	13.2	7.4	1457.0								
MW-4	1-May-06	1.33	9.6	7.4	1240.0								
MW-4	15-Aug-06	1.45	17.1	7.5	1038.0								
MW-4	17-Apr-07	2.38	9.0	8.5	1275.0								
MW-4	14-Aug-07	1.70	14.8	7.4	1153.0								
MW-4	6-Aug-08	1.48	13.2	7.4	1086.0								
MW-5	7-Jun-02	2.04	19.6	7.2	623.0								
MW-5	19-Aug-02	7.59	17.1	6.8	696.0								
MW-5	13-Dec-02	1.43	6.6	7.0	801.0								
MW-5	20-May-03	7.64	14.5	6.7	798.0								
MW-5	2-Dec-03	2.99	13.2	6.8	981.0								
MW-5	10-May-04	0.93	24.7	7.1	973.0								
MW-5	7-Oct-04	1.25	14.1	7.0	6490.0								
MW-5	18-Apr-05	1.14	13.0	6.8	7650.0								
MW-5	10-Oct-05	1.73	11.6	7.5	1510.0								
MW-5	11-Jan-06	1.98	11.6	7.3	1080.0								
MW-5	1-May-06	1.34	10.6	7.5	931.0								
MW-5	15-Aug-06	2.01	14.6	7.6	824.0								
MW-5	17-Apr-07	1.27	10.2	8.3	1045.0								
MW-5	14-Aug-07	1.82	13.5	7.6	1126.0								
MW-5	15-Apr-08	3.69	7.8	7.1	1064.0								
MW-5	6-Aug-08	1.33	12.4	7.4	928.0								
MW-5	20-Nov-08	1.02	12.5	7.6	911.0								
MW-5	4-Mar-09												
MW-5	8-Jun-09	4.49	10.2	6.9	1137.0								
MW-5	24-Sep-09	1.52	10.8	7.0	1154.0								
MW-6	7-Jun-02	0.14	18.7	7.1	923.0								
MW-6	19-Aug-02	4.75	22.7	6.8	848.0								
MW-6	13-Dec-02	0.69	8.3	7.3	918.0								
MW-6	20-May-03	6.90	14.1	6.9	924.0								
MW-6	2-Dec-03	1.64	13.2	7.0	1126.0								

Table 2 - Groundwater Parameters

Event ID: 8310 **Reporting Period:** Qtr 3 **Year:** 2009

Sample Location	Date	Dissolved Oxygen (mg/L)	Temp. (°C)	pH	Specific Conductance (µS/cm)	NO_3^- (mg/L)	Mn^{+2} (mg/L)	Fe^{+2} (mg/L)	SO_4^{-2} (mg/L)	CH_4 (mg/L)	Alkalinity (mg/L)	ORP (mV)	Bacteria Plate Count (cfu/mL)
MW-6	10-May-04	0.92	16.1	7.3	952.0								
MW-6	7-Oct-04	1.28	15.4	6.4	4930.0								
MW-6	18-Apr-05	1.33	13.4	6.5	5720.0								
MW-6	10-Oct-05	1.67	13.8	7.5	1510.0								
MW-6	11-Jan-06	1.59	12.3	7.2	1120.0								
MW-6	1-May-06	1.26	10.4	7.4	1070.0								
MW-6	15-Aug-06	1.32	14.0	7.6	878.0								
MW-6	17-Apr-07	1.47	10.0	8.4	1086.0								
MW-6	14-Aug-07	1.63	14.3	7.5	1110.0								
MW-7	7-Jun-02	1.65	21.0	7.2	893.0								
MW-7	19-Aug-02	7.43	16.3	7.0	904.0								
MW-7	13-Dec-02	0.53	6.4	7.2	845.0								
MW-7	20-May-03	7.12	16.1	6.9	912.0								
MW-7	2-Dec-03	1.68	11.6	6.8	1732.0								
MW-7	10-May-04	0.93	19.4	7.2	1181.0								
MW-7	7-Oct-04	0.85	14.4	6.9	5770.0								
MW-7	18-Apr-05	1.43	12.2	6.9	5460.0								
MW-7	10-Oct-05	1.27	12.6	7.4	1700.0								
MW-7	11-Jan-06	1.19	12.0	7.2	1310.0								
MW-7	1-May-06	1.30	10.3	7.4	1250.0								
MW-7	15-Aug-06	1.32	14.1	7.7	1110.0								
MW-7	17-Apr-07	2.91	10.0	8.3	1456.0								
MW-7	14-Aug-07	1.79	15.4	7.7	1423.0								
MW-8	7-Jun-02	0.80	13.9	6.9	1006.0								
MW-8	19-Aug-02	6.74	19.2	6.8	956.0								

Table 3 - Groundwater Contamination Trends

Event ID: 8310 **Reporting Period:** Qtr 3 **Year:** 2009

Click on a cell in the section in which you wish the additional row. Then click "New Row"

Well Location	Well ID	Date	Benzene (mg/L)	TOC (ft)	Water Table Elevation, Corrected for Product Thickness (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)
Source	MW-3	29-Aug-00	**0.7500**	7056.81	7042.97	13.84		0
Source	MW-3	6-Sep-01	**1.1000**	7056.81	7042.53	14.28		0
Source	MW-3	7-Feb-02	**0.3500**	7056.81	7040.27	16.54		0
Source	MW-3	7-Jun-02	**0.0690**	7056.81	7040.32	16.49		0
Source	MW-3	19-Aug-02	**0.1000**	7056.81	7041.29	15.52		0
Source	MW-3	13-Dec-02	**0.3200**	7056.81	7044.43	12.38		0
Source	MW-3	20-May-03	**0.3500**	7056.81	7044.33	12.48		0
Source	MW-3	2-Dec-03	**0.3700**	7056.81	7047.97	8.84		0
Source	MW-3	10-May-04	**0.4600**	7056.81	7048.27	8.54		0
Source	MW-3	7-Oct-04	**0.5200**	7056.81	7047.97	8.84		0
Source	MW-3	18-Apr-05	**0.9900**	7056.81	7049.68	7.13		0
Source	MW-3R	15-Aug-06	**0.0560**	7056.81	7047.52	9.29		0
Source	MW-3R	17-Apr-07	0.0010	7056.81	7049.63	7.18		0
Source	MW-3R	14-Aug-07	0.0010	7056.81	7045.00	11.81		0
Source	MW-3R	15-Apr-08	0.0010	7056.81	7050.17	6.64		0
Source	MW-3R	6-Aug-08	0.0010	7056.81	7042.99	13.82		0
Source	MW-3R	20-Nov-08	0.0010	7056.81	7041.67	15.14		0
Source	MW-3R	4-Mar-09	0.0010	7056.81	7047.79	9.02		0
Source	MW-3R	8-Jun-09	0.0010	7056.81	7045.01	11.80		0
Source	MW-3R	24-Sep-09	0.0020	7056.81	7041.78	15.03		0
Mid-plume	MW-1	29-Aug-00	**0.5500**	7056.05	7056.05			0
Mid-plume	MW-1	6-Sep-01	**0.5900**	7056.05	7042.49	13.56		0
Mid-plume	MW-1	7-Feb-02	**0.5300**	7056.05	7039.81	16.24		0
Mid-plume	MW-1	7-Jun-02	**0.4000**	7056.05	7039.83	16.22		0
Mid-plume	MW-1	19-Aug-02	**0.2200**	7056.05	7040.83	15.22		0
Mid-plume	MW-1	13-Dec-02	**0.3600**	7056.05	7043.83	12.22		0
Mid-plume	MW-1	20-May-03	**0.3400**	7056.05	7043.73	12.32		0
Mid-plume	MW-1	2-Dec-03	**0.9500**	7056.05	7047.30	8.75		0
Mid-plume	MW-1	10-May-04	**0.5600**	7056.05	7047.37	8.68		0
Mid-plume	MW-1	7-Oct-04	**2.1000**	7056.05	7047.27	8.78		0
Mid-plume	MW-1	18-Apr-05	**2.2000**	7056.05	7048.80	7.25		0
Mid-plume	MW-1	10-Oct-05	**1.7000**	7056.05	7047.80	8.25		0
Mid-plume	MW-1	11-Jan-06	**1.5000**	7056.05	7042.14	13.91		0
Mid-plume	MW-1	1-May-06	**0.6900**	7056.05	7047.47	8.58		0
Mid-plume	MW-1R	15-Aug-06	**1.2000**	7055.85	7047.12	8.73		0
Mid-plume	MW-1R	17-Apr-07	**0.5500**	7055.85	7048.94	6.91		0
Mid-plume	MW-1R	14-Aug-07	0.0010	7055.85	7044.09	11.76		0
Mid-plume	MW-1R	15-Apr-08	**0.6700**	7055.85	7049.52	6.33		0
Mid-plume	MW-1R	6-Aug-08	**0.5300**	7055.85	7042.40	13.45		0
Mid-plume	MW-1R	20-Nov-08	0.0010	7055.85	7041.15	14.70		0
Mid-plume	MW-1R	4-Mar-09	0.0010	7055.85	7049.80	6.05		0
Mid-plume	MW-1R	8-Jun-09	0.0010	7055.85	7044.38	11.47		0
Mid-plume	MW-1R	24-Sep-09	0.0020	7055.85	7041.25	14.60		0
Downgradient	MW-5	29-Aug-00	0.0010	7053.01	7053.01			0
Downgradient	MW-5	6-Sep-01	0.0010	7053.01	7039.41	13.60		0

Table 3 - Groundwater Contamination Trends

Event ID: 8310 Reporting Period: Qtr 3 Year: 2009

Click on a cell in the section in which you wish the additional row. Then click "New Row"

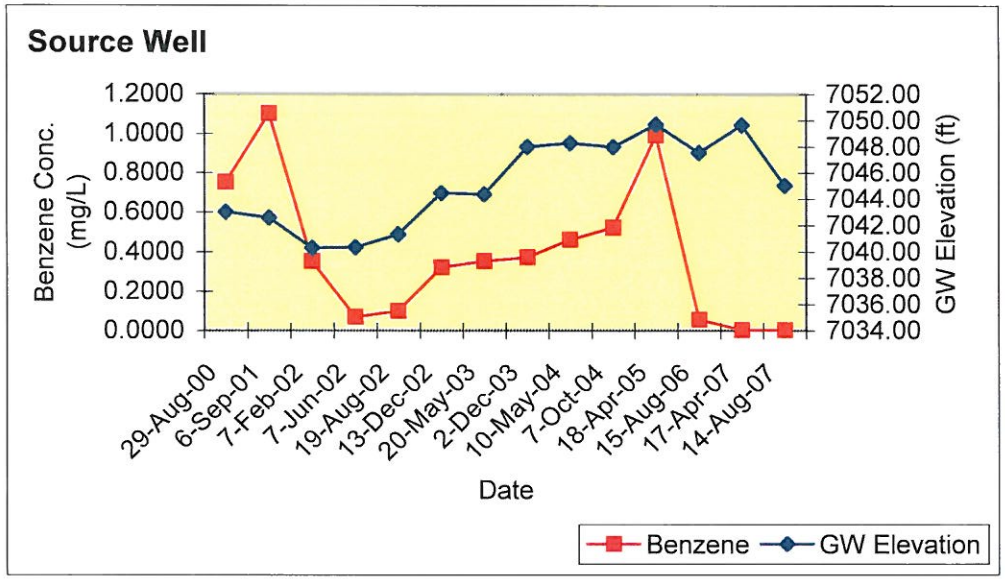
Well Location	Well ID	Date	Benzene (mg/L)	TOC (ft)	Water Table Elevation, Corrected for Product Thickness (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)
Downgradient	MW-5	7-Feb-02	0.0010	7053.01	7034.86	18.15		0
Downgradient	MW-5	7-Jun-02	0.0010	7053.01	7034.73	18.28		0
Downgradient	MW-5	19-Aug-02	0.0010	7053.01	7035.61	17.40		0
Downgradient	MW-5	13-Dec-02	0.0010	7053.01	7041.63	11.38		0
Downgradient	MW-5	20-May-03	0.0010	7053.01	7040.61	12.40		0
Downgradient	MW-5	2-Dec-03	0.0010	7053.01	7045.85	7.16		0
Downgradient	MW-5	10-May-04	0.0010	7053.01	7045.47	7.54		0
Downgradient	MW-5	7-Oct-04	0.0010	7053.01	7046.93	6.08		0
Downgradient	MW-5	18-Apr-05	0.0010	7053.01	7047.52	5.49		0
Downgradient	MW-5	10-Oct-05	0.0010	7053.01	7046.99	6.02		0
Downgradient	MW-5	11-Jan-06	0.0010	7053.01	7037.62	15.39		0
Downgradient	MW-5	1-May-06	0.0010	7053.01	7045.57	7.44		0
Downgradient	MW-5	15-Aug-06	0.0010	7053.01	7046.47	6.54		0
Downgradient	MW-5	17-Apr-07	0.0010	7053.01	7047.13	5.88		0
Downgradient	MW-5	14-Aug-07	0.0010	7053.01	7041.72	11.29		0
Downgradient	MW-5	15-Apr-08	0.0010	7053.01	7047.59	5.42		0
Downgradient	MW-5	6-Aug-08	0.0010	7053.01	7037.71	15.30		0
Downgradient	MW-5	20-Nov-08	0.0010	7053.01	7036.16	16.85		0
Downgradient	MW-5	4-Mar-09	0.0010	7053.01	7043.72	9.29		0
Downgradient	MW-5	8-Jun-09	0.0010	7053.01	7039.88	13.13		0
Downgradient	MW-5	24-Sep-09	0.0020	7053.01	7036.09	16.92		0

TOC = Surveyed elevation top of casing

System Start Date	
System Shut-down Date	
Projected Closure Date	

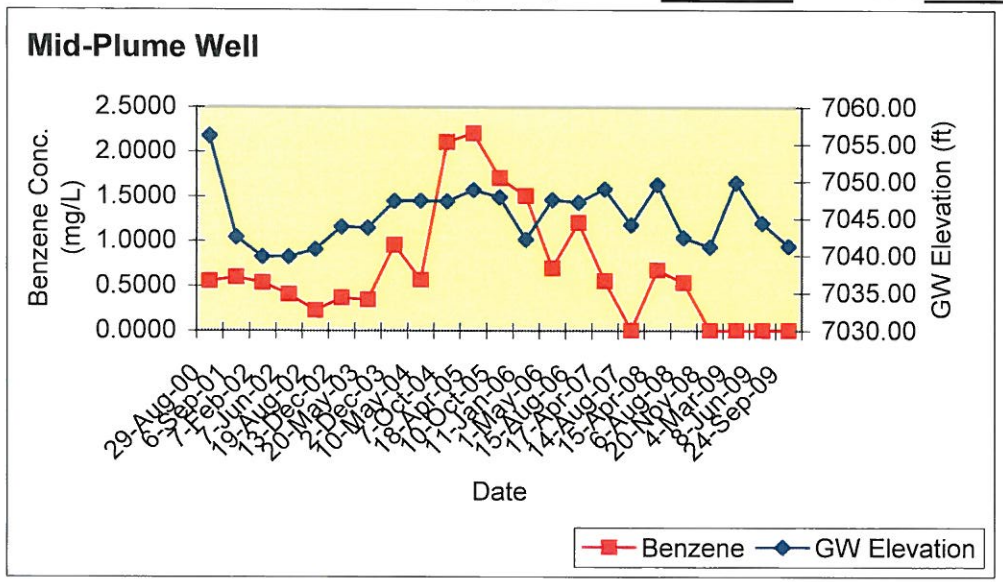
Graph 1 - Groundwater Contamination Trend Graphs for Table 3

Event ID: 8310 **Reporting Period: Qtr 3** **Year: 2009**



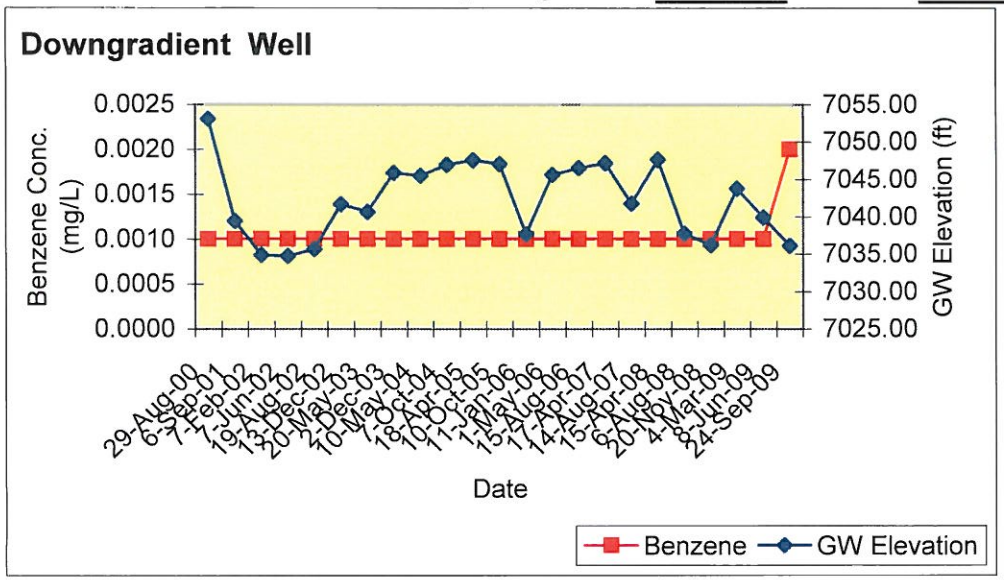
Graph 1 - Groundwater Contamination Trend Graphs for Table 3

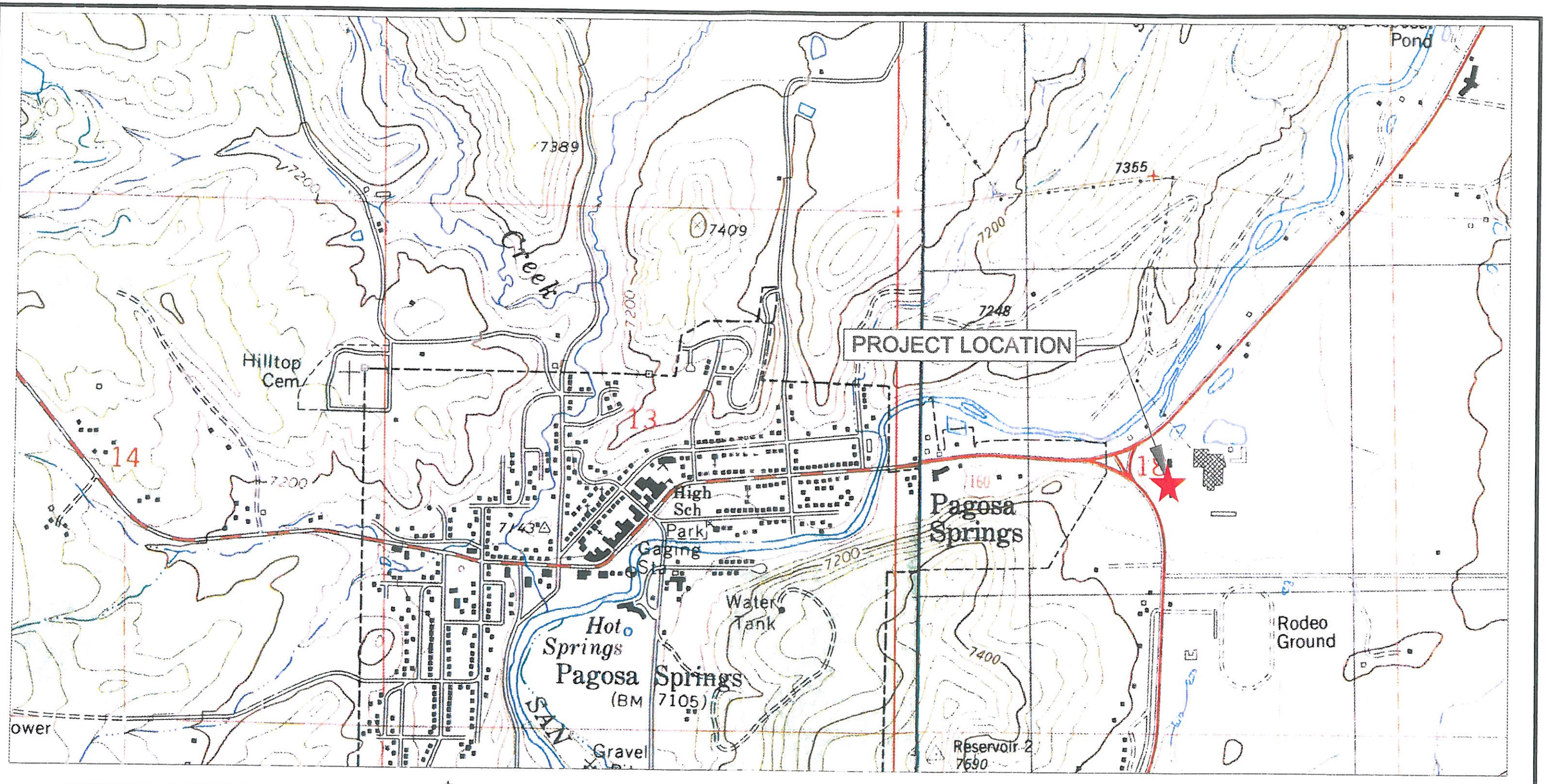
Event ID: 8310 **Reporting Period: Qtr 3** **Year: 2009**



Graph 1 - Groundwater Contamination Trend Graphs for Table 3

Event ID: 8310 **Reporting Period: Qtr 3** **Year: 2009**





PAGOSA SPRINGS QUADRANGLE
COLORADO–ARCHULETA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

Pagosa Springs, CO.
1964

GN MN
1°41' 30 MILS
13° 231 MILS
UTM GRID AND 1979 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE: 1 in = 1000 ft
0 500 0 1000
CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

BASIN ENGINEERING, INC

Drawn by	Date	Checked by	Date
DGW	04/15/08	JEC	

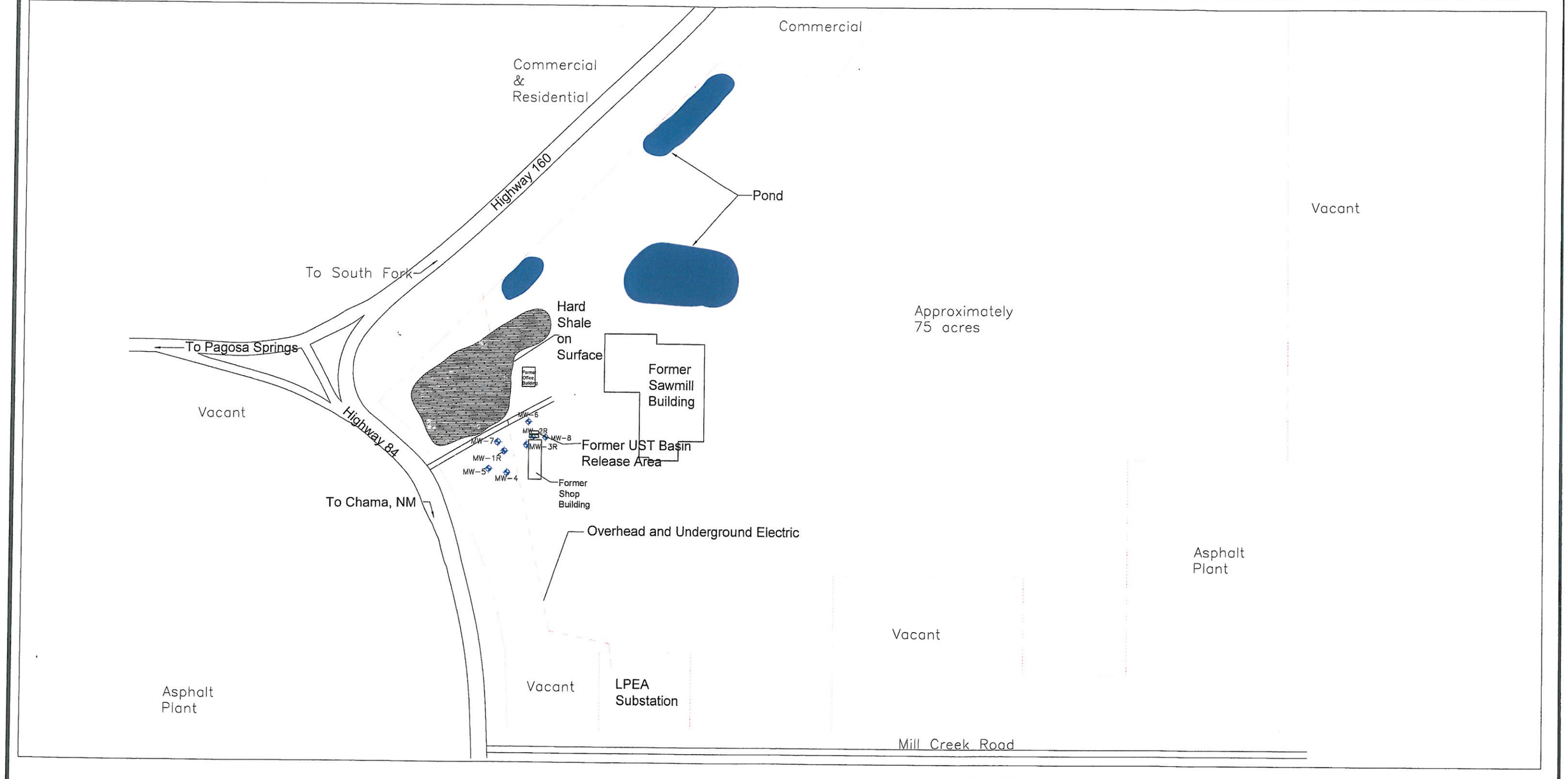
Vicinity Map

Monitoring & Remediation Report
NJR Colorado Properties, LLC
Former Sawmill Property
Highway 160 & Highway 84
Pagosa Springs, Colorado

Project No. 050101

Figure No. 1

c:\projects\0500\0501\01\Drawings\Fig 1 vicinity.dwg



0 150 0 300

Scale: 1 in = 300 ft

N

BASIN ENGINEERING, INC

Drawn by	Date	Checked by	Date
DGW	04/17/08	JEC	

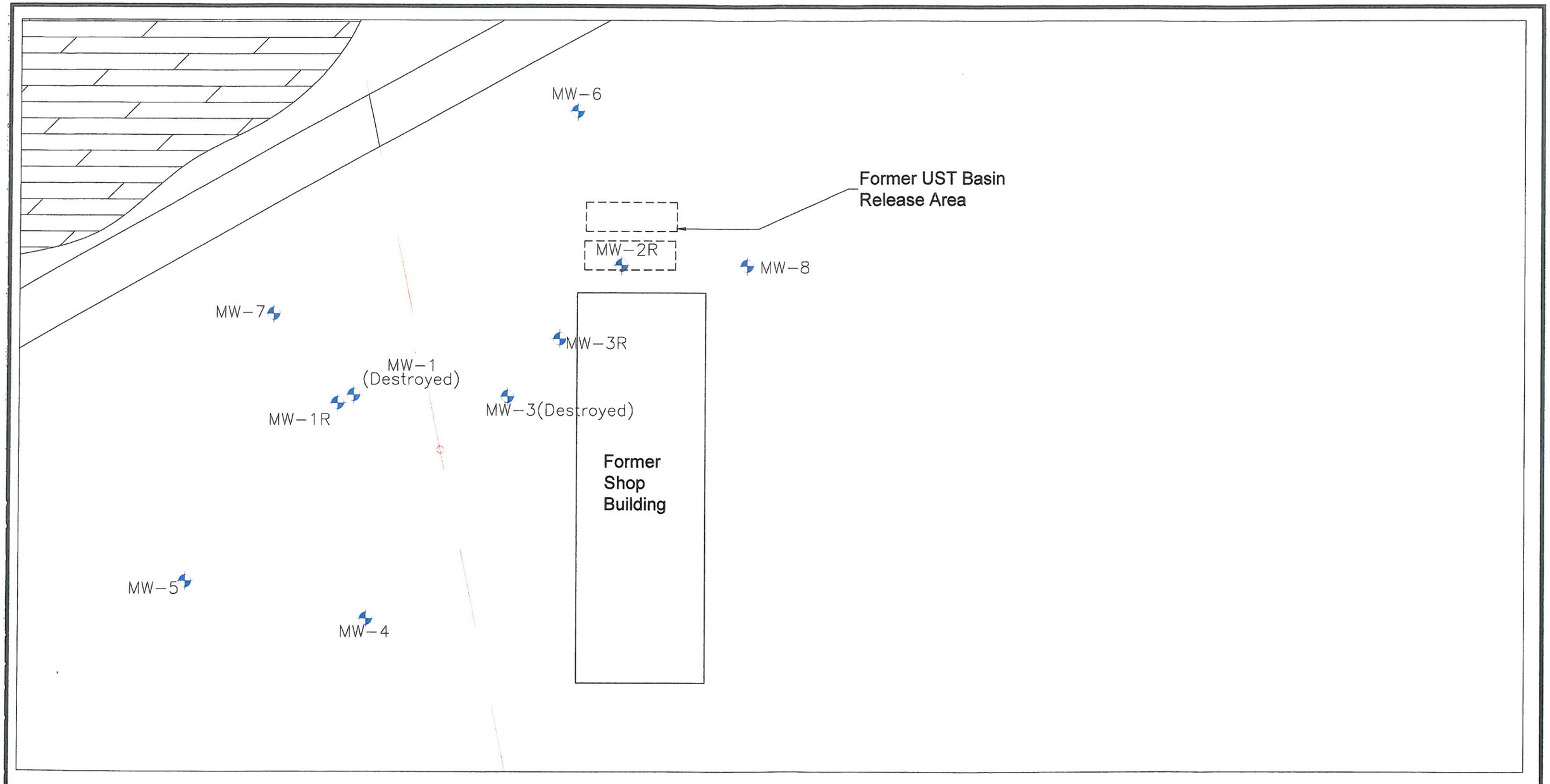
Site Map

Monitoring & Remediation Report
NJR Colorado Properties, LLC
Former Sawmill Property
Highway 160 & Highway 84
Pagosa Springs, Colorado

Project No. 050101

Figure No. 2

d:\projects\0500\0501\01\drawings\2008\April\Fig 2 sitemap.dwg



0 15 0 30

Scale: 1 in = 30 ft

N

BASIN ENGINEERING, INC

Drawn by	Date	Checked by	Date
DGW	05/09/08	JEC	

Detailed Site Map

Monitoring & Remediation Report
NJR Colorado Properties, LLC
Former Sawmill Property
Highway 160 & Highway 84
Pagosa Springs, Colorado

Project No. 050101

Figure No. 3

d:\projects\0500\0501\01\drawings\2008\April\Fig 3 Detailed sitemap.dwg

MW-6
7049.75

Former UST Basin
Release Area

MW-2R
7050.42

MW-8
7051.27

MW-7
7049.60

MW-3R
7050.17

MW-1R
7049.52

7048.4

7049.2

7050

7050.8

MW-5
7047.59

MW-4
7050.40

Former
Shop
Building

LEGEND

MW-2 5441.63	Monitoring Well Location, Designation & Elevation
UST	Underground Storage Tank
OE	Overhead Electric
—5441.1—	Ground Water Contour (0.2 ft Contour Intervals)

Date Measured: April 15, 2008

0 15 0 30

Scale: 1 in = 30 ft

N

BASIN ENGINEERING, INC

Drawn by	Date	Checked by	Date
DGW	04/17/08	JEC	

GW Contour Map

Monitoring & Remediation Report
NJR Colorado Properties, LLC
Former Sawmill Property
Highway 160 & Highway 84
Pagosa Springs, Colorado

Project No.
050101

Figure No.
4

d:\projects\0500\0501\01\drawings\2008\April\Fig 4 GW Contour.dwg

MW-6
NS

Former UST Basin
Release Area

MW-2R		
B	=	ND
T	=	ND
E	=	ND
X	=	ND
MTBE	=	ND
TPH (GRO)	=	ND
TPH (DRO)	=	ND

MW-2R

MW-8
NS

MW-7
NS

MW-3R

MW-3R		
B	=	ND
T	=	ND
E	=	ND
X	=	ND
MTBE	=	ND
TPH (GRO)	=	ND
TPH (DRO)	=	ND

MW-1R		
B	=	670 µg/L
T	=	60 µg/L
E	=	530 µg/L
X	=	1,600 µg/L
MTBE	=	ND
TPH (GRO)	=	10 mg/L
TPH (DRO)	=	ND

MW-1R

100

5

MW-5

MW-4
NS

MW-5		
B	=	ND
T	=	ND
E	=	ND
X	=	ND
MTBE	=	ND
TPH (GRO)	=	ND
TPH (DRO)	=	ND

Former
Shop
Building

LEGEND

MW-2	Monitoring Well Location & Designation
B	Benzene
T	Toluene
E	Ethylbenzene
X	Total Xylenes
MTBE	Methyl Tert-Butyl Ether
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline Range Organics
DRO	Diesel Range Organics
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter
ND	Not Detected
NS	No Sample Collected
— 5 —	Benzene Concentration Contour
	Ground Water Flow Direction

Date Measured: April 15, 2008

0 15 0 30

Scale: 1 in = 30 ft

N

BASIN ENGINEERING, INC

Drawn by	Date	Checked by	Date
DGW	04/29/08	JEC	

GW Analytical Map

Monitoring & Remediation Report
NJR Colorado Properties, LLC
Former Sawmill Property
Highway 160 & Highway 84
Pagosa Springs, Colorado

Project No. 050101

Figure No. 5

d:\projects\0500\0501\01\drawings\2008\April\Fig 5 GW Analytical.dwg

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(913)599-5665

October 09, 2009

John Casey
Basin Engineering
PO Box 3909
Durango, CO 81302

RE: Project: FORMER SAWMILL
Pace Project No.: 6066815

Dear John Casey:
Enclosed are the analytical results for sample(s) received by the laboratory on September 26, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Colleen Koporc

colleen.koporc@pacelabs.com
Project Manager

Enclosures

nelac

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CERTIFICATIONS

Project: FORMER SAWMILL
Pace Project No.: 6066815

Kansas Certification IDs

Washington Certification #: C2069
Utah Certification #: 9135995665
Texas Certification #: T104704407-08-TX
Oregon Certification #: KS200001
Oklahoma Certification #: 9205/9935
Nevada Certification #: KS000212008A
Louisiana Certification #: 03055
Kansas/NELAP Certification #: E-10116
Iowa Certification #: 118
Illinois Certification #: 001191
Arkansas Certification #: 05-008-0
A2LA Certification #: 2456.01

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SAMPLE SUMMARY

Project: FORMER SAWMILL
Pace Project No.: 6066815

Lab ID	Sample ID	Matrix	Date Collected	Date Received
6066815001	MW-2R	Water	09/24/09 08:10	09/26/09 08:30
6066815002	MW-3R	Water	09/24/09 08:30	09/26/09 08:30
6066815003	MW-5	Water	09/24/09 09:00	09/26/09 08:30
6066815004	MW-1R	Water	09/24/09 09:20	09/26/09 08:30
6066815005	TRIP BLANK	Water	09/24/09 00:00	09/26/09 08:30

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SAMPLE ANALYTE COUNT

Project: FORMER SAWMILL
Pace Project No.: 6066815

Lab ID	Sample ID	Method	Analysts	Analytes Reported
6066815001	**MW-2R**	EPA 8015B	CMP	3
		EPA 8015B/8021B	JKL	9
6066815002	**MW-3R**	EPA 8015B	CMP	3
		EPA 8015B/8021B	JKL	9
6066815003	**MW-5**	EPA 8015B	CMP	3
		EPA 8015B/8021B	JKL	9
6066815004	**MW-1R**	EPA 8015B	CMP	3
		EPA 8015B/8021B	JKL	9
6066815005	**TRIP BLANK**	EPA 8015B/8021B	JKL	8

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ANALYTICAL RESULTS

Project: FORMER SAWMILL
Pace Project No.: 6066815

Sample: MW-2R **Lab ID: 6066815001** Collected: 09/24/09 08:10 Received: 09/26/09 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3510C							
TPH-DRO	ND	mg/L	0.50	1	10/01/09 00:00	10/05/09 12:01		
p-Terphenyl (S)	83	%	47-117	1	10/01/09 00:00	10/05/09 12:01	92-94-4	
n-Tetracosane (S)	74	%	51-117	1	10/01/09 00:00	10/05/09 12:01	646-31-1	
GRO Volatile Organics	Analytical Method: EPA 8015B/8021B							
Benzene	ND	ug/L	2.0	1		10/08/09 20:26	71-43-2	
Ethylbenzene	ND	ug/L	2.0	1		10/08/09 20:26	100-41-4	
Gasoline Range Organics	ND	ug/L	500	1		10/08/09 20:26		
Methyl-tert-butyl ether	ND	ug/L	10.0	1		10/08/09 20:26	1634-04-4	
Toluene	ND	ug/L	2.0	1		10/08/09 20:26	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		10/08/09 20:26	1330-20-7	
a,a,a-Trifluorotoluene (S)	97	%	85-121	1		10/08/09 20:26	98-08-8	
4-Bromofluorobenzene (S)	101	%	83-116	1		10/08/09 20:26	460-00-4	
Preservation pH	**1.0**			1		10/08/09 20:26		

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ANALYTICAL RESULTS

Project: FORMER SAWMILL
Pace Project No.: 6066815

Sample: MW-3R **Lab ID: 6066815002** Collected: 09/24/09 08:30 Received: 09/26/09 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3510C							
TPH-DRO	ND	mg/L	0.50	1	10/01/09 00:00	10/05/09 12:20		
p-Terphenyl (S)	86	%	47-117	1	10/01/09 00:00	10/05/09 12:20	92-94-4	
n-Tetracosane (S)	75	%	51-117	1	10/01/09 00:00	10/05/09 12:20	646-31-1	
GRO Volatile Organics	Analytical Method: EPA 8015B/8021B							
Benzene	ND	ug/L	2.0	1		10/08/09 20:48	71-43-2	
Ethylbenzene	ND	ug/L	2.0	1		10/08/09 20:48	100-41-4	
Gasoline Range Organics	ND	ug/L	500	1		10/08/09 20:48		
Methyl-tert-butyl ether	ND	ug/L	10.0	1		10/08/09 20:48	1634-04-4	
Toluene	ND	ug/L	2.0	1		10/08/09 20:48	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		10/08/09 20:48	1330-20-7	
a,a,a-Trifluorotoluene (S)	96	%	85-121	1		10/08/09 20:48	98-08-8	
4-Bromofluorobenzene (S)	103	%	83-116	1		10/08/09 20:48	460-00-4	
Preservation pH	**1.0**			1		10/08/09 20:48		

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ANALYTICAL RESULTS

Project: FORMER SAWMILL
Pace Project No.: 6066815

Sample: MW-5 **Lab ID: 6066815003** Collected: 09/24/09 09:00 Received: 09/26/09 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3510C							
TPH-DRO	ND	mg/L	0.50	1	10/01/09 00:00	10/06/09 05:37		
p-Terphenyl (S)	54	%	47-117	1	10/01/09 00:00	10/06/09 05:37	92-94-4	
n-Tetracosane (S)	46	%	51-117	1	10/01/09 00:00	10/06/09 05:37	646-31-1	1e
GRO Volatile Organics	Analytical Method: EPA 8015B/8021B							
Benzene	ND	ug/L	2.0	1		10/08/09 13:47	71-43-2	
Ethylbenzene	ND	ug/L	2.0	1		10/08/09 13:47	100-41-4	
Gasoline Range Organics	ND	ug/L	500	1		10/08/09 13:47		
Methyl-tert-butyl ether	ND	ug/L	10.0	1		10/08/09 13:47	1634-04-4	
Toluene	ND	ug/L	2.0	1		10/08/09 13:47	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		10/08/09 13:47	1330-20-7	
a,a,a-Trifluorotoluene (S)	93	%	85-121	1		10/08/09 13:47	98-08-8	
4-Bromofluorobenzene (S)	95	%	83-116	1		10/08/09 13:47	460-00-4	
Preservation pH	**1.0**			1		10/08/09 13:47		

Date: 10/09/2009 04:53 PM

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ANALYTICAL RESULTS

Project: FORMER SAWMILL
Pace Project No.: 6066815

Sample: MW-1R **Lab ID: 6066815004** Collected: 09/24/09 09:20 Received: 09/26/09 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015B Diesel Range Organics	Analytical Method: EPA 8015B Preparation Method: EPA 3510C							
TPH-DRO	ND	mg/L	0.50	1	10/01/09 00:00	10/05/09 12:58		
p-Terphenyl (S)	66	%	47-117	1	10/01/09 00:00	10/05/09 12:58	92-94-4	
n-Tetracosane (S)	60	%	51-117	1	10/01/09 00:00	10/05/09 12:58	646-31-1	
GRO Volatile Organics	Analytical Method: EPA 8015B/8021B							
Benzene	ND	ug/L	2.0	1		10/08/09 14:10	71-43-2	
Ethylbenzene	ND	ug/L	2.0	1		10/08/09 14:10	100-41-4	
Gasoline Range Organics	ND	ug/L	500	1		10/08/09 14:10		
Methyl-tert-butyl ether	ND	ug/L	10.0	1		10/08/09 14:10	1634-04-4	
Toluene	ND	ug/L	2.0	1		10/08/09 14:10	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		10/08/09 14:10	1330-20-7	
a,a,a-Trifluorotoluene (S)	96	%	85-121	1		10/08/09 14:10	98-08-8	
4-Bromofluorobenzene (S)	106	%	83-116	1		10/08/09 14:10	460-00-4	
Preservation pH	**1.0**			1		10/08/09 14:10		

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ANALYTICAL RESULTS

Project: FORMER SAWMILL
Pace Project No.: 6066815

Sample: TRIP BLANK **Lab ID: 6066815005** Collected: 09/24/09 00:00 Received: 09/26/09 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
GRO Volatile Organics	Analytical Method: EPA 8015B/8021B							
Benzene	ND	ug/L	2.0	1		10/08/09 14:32	71-43-2	
Ethylbenzene	ND	ug/L	2.0	1		10/08/09 14:32	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	10.0	1		10/08/09 14:32	1634-04-4	
Toluene	ND	ug/L	2.0	1		10/08/09 14:32	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		10/08/09 14:32	1330-20-7	
a,a,a-Trifluorotoluene (S)	99	%	85-121	1		10/08/09 14:32	98-08-8	
4-Bromofluorobenzene (S)	105	%	83-116	1		10/08/09 14:32	460-00-4	
Preservation pH	**1.0**			1		10/08/09 14:32		

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QUALITY CONTROL DATA

Project: FORMER SAWMILL
Pace Project No.: 6066815

QC Batch: OEXT/19827 Analysis Method: EPA 8015B
QC Batch Method: EPA 3510C Analysis Description: EPA 8015B
Associated Lab Samples: 6066815001, 6066815002, 6066815003, 6066815004

METHOD BLANK: 544808 Matrix: Water
Associated Lab Samples: 6066815001, 6066815002, 6066815003, 6066815004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-DRO	mg/L	ND	0.50	10/05/09 11:22	
n-Tetracosane (S)	%	66	51-117	10/05/09 11:22	
p-Terphenyl (S)	%	85	47-117	10/05/09 11:22	

LABORATORY CONTROL SAMPLE: 544809

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-DRO	mg/L	2.5	1.9	76	46-106	
n-Tetracosane (S)	%			53	51-117	
p-Terphenyl (S)	%			62	47-117	

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QUALITY CONTROL DATA

Project: FORMER SAWMILL
Pace Project No.: 6066815

QC Batch: GCV/3049 Analysis Method: EPA 8015B/8021B
QC Batch Method: EPA 8015B/8021B Analysis Description: GRO BTEX GCV Water
Associated Lab Samples: 6066815001, 6066815002, 6066815003, 6066815004, 6066815005

METHOD BLANK: 548819 Matrix: Water
Associated Lab Samples: 6066815001, 6066815002, 6066815003, 6066815004, 6066815005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	2.0	10/08/09 12:46	
Ethylbenzene	ug/L	ND	2.0	10/08/09 12:46	
Gasoline Range Organics	ug/L	ND	500	10/08/09 12:46	
Methyl-tert-butyl ether	ug/L	ND	10.0	10/08/09 12:46	
Toluene	ug/L	ND	2.0	10/08/09 12:46	
Xylene (Total)	ug/L	ND	5.0	10/08/09 12:46	
4-Bromofluorobenzene (S)	%	91	83-116	10/08/09 12:46	
a,a,a-Trifluorotoluene (S)	%	93	85-121	10/08/09 12:46	

LABORATORY CONTROL SAMPLE: 548820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	17.7	88	79-119	
Ethylbenzene	ug/L	20	21.1	106	83-122	
Gasoline Range Organics	ug/L	1000	955	96	84-115	
Methyl-tert-butyl ether	ug/L	20	18.6	93	77-126	
Toluene	ug/L	20	19.3	97	82-121	
Xylene (Total)	ug/L	60	62.0	103	87-115	
4-Bromofluorobenzene (S)	%			93	83-116	
a,a,a-Trifluorotoluene (S)	%			91	85-121	

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QUALIFIERS

Project: FORMER SAWMILL
Pace Project No.: 6066815

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

BATCH QUALIFIERS

Batch: OEXT/19827

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: GCV/3049

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

1e Surrogate recovery outside control limits (low) due to matrix interferences. Confirmed by re-analysis. Data accepted based on valid recovery of alternate surrogate.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FORMER SAWMILL
Pace Project No.: 6066815

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
6066815001	**MW-2R**	EPA 3510C	OEXT/19827	EPA 8015B	GCSV/7613
6066815002	**MW-3R**	EPA 3510C	OEXT/19827	EPA 8015B	GCSV/7613
6066815003	**MW-5**	EPA 3510C	OEXT/19827	EPA 8015B	GCSV/7613
6066815004	**MW-1R**	EPA 3510C	OEXT/19827	EPA 8015B	GCSV/7613
6066815001	**MW-2R**	EPA 8015B/8021B	GCV/3049		
6066815002	**MW-3R**	EPA 8015B/8021B	GCV/3049		
6066815003	**MW-5**	EPA 8015B/8021B	GCV/3049		
6066815004	**MW-1R**	EPA 8015B/8021B	GCV/3049		
6066815005	**TRIP BLANK**	EPA 8015B/8021B	GCV/3049		

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A — Required Client Information:

Company:	BASIN ENGINEERING
Address:	PO Box 3909, Durango, CO 81302
Email To:	jec@basinengineering.net
Phone:	970 259 2078
Fax:	385 4812
Requested Due Date/TAT:	10 Day (Default)

Section B — Required Project Information:

Report To:	John Casey
Copy To:	mh@basinengineering.net
Purchase Order No.	050101
Client Project ID:	Former Sawmill
Container Order Number:	13470

Section C — Invoice Information:

Attention:	John Casey
Company Name:	Basin Engineering
Address:	PO Box 3909, Durango, CO 81302
Pace Quote Reference:	
Pace Project Manager:	Koporc, Colleen
Pace Profile #:	

Regulatory Agency
UST - Underground Storage Tank
State / Location
Colorado

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

Requested Analysis Filtered (Y/N)

ITEM#	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	GRO 8015	TPH DRO	BTEX+MTBE by 8021	Residual Chlorine (Y/N)	6006815
1	MW-2R 2AG14 3DEG4H	WT	G			9-24-09	08:10	58	5	2			3						X	X	X		001
2	MW-3R	WT	G			9-24-09	08:30	56	5	2			3						X	X	X		002
3	MW-5	WT	G			9-24-09	09:00	51	5	2			3						X	X	X		003
4	MW-1R	WT	G			9-24-09	09:20	53	5	2			3						X	X	X		004
5	TRIP BLANK 2DEG4H	WT							2				2						~~X~~	~~X~~	X		005
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	John Casey / Basin	9-25-09	14:00	[illegible signature]	9/26/09	08:30	1.7	Y	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: John Casey

SIGNATURE of SAMPLER: [signature]

DATE Signed: 9-24-09

Sample Condition Upon Receipt

Pace Analytical® www.pacelabs.com

Client Name: Basin Engineering Project # Cooke 815

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8681 1447 3543

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other foam

Thermometer Used (T-191) T-194 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.7°C Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 9/26/09 (KK) 11:18

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☐Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☐Yes ☑No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	Initial when completed KK / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☑No ☐N/A	
Pace Trip Blank Lot # (if purchased): 082409-3 2 D 6914		

Client Notification/ Resolution: Copy COC to Client? (Y) / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CBL **Date:** 9/28/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-KS-C-003-Rev.04, 04February2009

NO FURTHER ACTION REQUEST (NFAR) REPORT

Submit the completed NFAR to:

Colorado Department of Labor and Employment
Division of Oil and Public Safety
Bobby Sonnier
633 17th Street, Suite 500
Denver, CO 80202-3660

This standardized format is required for all NFARs submitted to the Division of Oil and Public Safety for releases occurring on or after **February 1, 1999**.

This NFAR is intended to be submitted in place of the Site Characterization Report (SCR) when site concentrations have **never** exceeded MCLs in groundwater and/or RBSLs in soils as presented in the Owner/Operator Guidance document.

This report is not required by the OPS, however it may be submitted if a no further action designation is requested.

Facility ID 1161

NO FURTHER ACTION REQUEST

SITE INFORMATION

Site Name: Former Sawmill	**Type of Business on Site:** None	
Site Address: Southeast corner, intersection of Colorado Highway 84 & U.S. Highway 160		
City: Pagosa Springs	**County:** Archuleta	**Zip Code:** 81147
Phone Number: N/A	**Fax Number:** N/A	
Site Contact Person: N/A		

OWNER/OPERATOR INFORMATION

Name: NJR Colorado Properties, LLC		
Address: 7575 C.R. 203		
City: Durango	**State:** Colorado	**Zip Code:** 81301
Phone Number:	**Fax Number:**	
Contact Person: Jeff Knuckles		

ENVIRONMENTAL CONSULTANT INFORMATION

Name: Basin Engineering, Inc.		
Address: P.O. Box 3909		
City: Durango	**State:** Colorado	**Zip Code:** 81302
Phone Number: 970.259.2078	**Fax Number:** 970.385.4812	
Contact Person: John E. Casey, P.E.		

Date Report Was Completed October 26, 2009

INSTRUCTIONS FOR COMPLETING REPORT: Complete all applicable sections and appendices of this report. If the question does not apply to the site, insert "NA".

Limit your responses to the suggested space(s). If you are using the computer version of this form, the bracketed number after each question (e.g. [2]) is the number of suggested lines for each answer. Do not use bold type when answering. Insert or delete rows in tables as needed. Contact the Division of Oil and Public Safety technical assistance line at (303-318-8547) if you have any questions. The OPS Regulations, Guidance Document, Report Formats and additional program related information can be found at the Oil and Public Safety Website at http://oil.cdle.state.co.us. Call (303) 321-4164 for a copy of the regulations (commodity # 615-82-44-0899) or the Guidance Document (commodity # 615-82-44-0626).

NO FURTHER ACTION REQUEST

What type of product(s) was stored in the tank(s). Check all applicable types, list hazardous substances and other products in the "Other" column.

Leaded Gasoline	Unleaded Gasoline	Diesel	Waste Oil	Other_____
	XXXX	XXXX		

Is there evidence of any released hazardous substance on the site? Yes ___ No _X_ (check one). **If yes, contact the Colorado Department of Public Health and Environment.**

List the highest concentration of the following constituents found									
	Benzene	**Toluene**	**Ethyl Benzene**	**Xylenes**	**TVPH**	**TEPH**	**TPH**	**Oil & Grease**	**Other**
Soil mg/Kg	2.2	2.2	5.6	27	95	78	156		
Water µg/l	2,200	220	770	4900	0.022	N/D	0.022		

If free product is discovered, or if any of the contaminant concentrations listed above exceed the MCLs and/or RBSLs as presented in the Owner/Operator Guidance Document *DO NOT FILL OUT THIS FORM*, contact the OPS immediately to report a release, and complete the Site Characterization Report.

TABLE OF CONTENTS

Site Street Address Intersection S.H. 84 & U.S. Hwy. 160 City Pagosa Springs

A. RELEASE INFORMATION

1. **History of this release.**

   a) **Was a release ever suspected at this site** No

   b) **If yes, date release suspected? [1]**

   c) **Date that OPS was notified of the suspected release. [1]** 08/18/2000

   d) **Include the location of the suspected release on Figure 1, Appendix C.**

2. **Rationale for site activities.**

   a) **Tank removal or closure in place** No

   b) **Subsurface investigation** Yes

   c) **Release detection or system failure** No

   d) **Suspected impacts to off-site property** No

   e) **Other (describe) [1]** Discovered during investigation related to sale of property

3. **Release description.**

   a) **Product(s) released [1]** Unleaded gasoline and diesel fuel

   b) **Quantity released [1]** Unknown

B. SITE HISTORY

1. **Describe any previous releases at the site in the table below.**

Date of Prior Release	Product	Quantity (gallons)	Source/Cause of Release (Identify location on Fig. 1)	No Further Action Letter Issued? (y/n) (If yes enter date)
Unknown				

2. **If a no further action letter has not been issued for a previous release explain on-going activities. [1]**

C. SITE INVESTIGATION

1. **Storage tank removal/closure in place. (Complete Section D-1 to describe tank excavation dimensions, soil laboratory results, etc.).**

   a) **How many tanks were removed during this investigation? [1]** None

   b) **How many tanks remain on site which are in operation? [1]** None

   c) **How many tanks remain on site which have not been properly closed in place ? [1]** None

   d) **List on the table below information concerning tank removal/closure in place. (Tank # as identified on Figure 1 and/or 2, Appendix C).**

Tank #	Date Removed or Closed	Indicate closed in place(I), removed (R)	Tank Condition (corrosion, holes, etc.)	Contamination Suspected? (y/n)	Samples Analyzed? (y/n)
1	1980	R	Unknown	Unknown	No
2	1980	R	Unknown	Unknown	No

   e) **Were tank removal or closure in place activities performed in accordance with API recommended practice 1604, or equivalent?** Unknown **If no, describe tank removal/closure in place activities. [1]**

2. **Subsurface investigation such as for a property transaction, or to confirm release detection or system failure. (Complete Section D-2 to describe soil boring installations, soil laboratory results, etc.).**

   a) **List on the table below information concerning site investigation.**

Sample #	Date of Investigation	Contamination Suspected? (y/n)	Samples Analyzed? (y/n)
Plateau	8/17/00	Y	Y
Basin	10/9/01	Y	Y

   b) **If this investigation was performed as the result of release detection or system failure what part of the UST system failed? [1]** N/A

   i. **Was the system repaired?** (yes/no)
   ii. **Date of repair. [1]**

D. SOIL INVESTIGATION

1. Excavations. (Includes excavations, trenches and construction excavations.)

a) Excavation Dimensions.

i. Complete the following table for each excavation.

Excavation #	Length of Excavation	Width of Excavation	Depth of Excavation	Depth to Groundwater in Excavation (if present)
1	60	30	14	10

ii. Plot the location of each excavation (include excavation #) on Figure 2, Appendix C.

b) Excavation Organic Vapor Meter (OVM) screening measurements.

i. List all OVM measurements on Table 1, Appendix B.
ii. Indicate the locations of OVM measurements on Figure 2, Appendix C.

c) Excavation Soil Sampling.

i. List all soil laboratory results on Table 2, Appendix B. Identify the locations where samples were obtained on Figure 2, Appendix C.
ii. List the rationale for the sampling locations on Table 2, Appendix B.
iii. Were soil samples collected according to procedures filed with the OPS as part of the Listed Consultant program? Yes **According to the OPS Owner/Operator Guidance Document?** Yes **If neither, describe soil sampling collection procedures. [3]**

d) If groundwater was detected in the excavation complete Section E.

2. Soil Borings/Direct Push Points

a) Borehole/direct push OVM screening.

i. Include the OVM screening measurements on the boring logs (Appendix E) for samples screened during the boring installations.
ii. Indicate the locations of the borings (which did not have laboratory analyses of soil collected from the boring) on Figure 3, Appendix C.

b) Borehole/direct push points soil sampling

i. List all soil laboratory results on Table 2, Appendix B. Present boring locations on Figure 3, Appendix C.
ii. List the rationale for the sampling locations on Table 2, Appendix B.
iii. Were soils samples collected according to procedures filed with the OPS as part of the Listed Consultant program? Yes **According to the OPS Owner/Operator Guidance Document?** Yes **If neither, describe soil sampling collection procedures. [3]**

E. GROUNDWATER INVESTIGATION

1. Were monitoring wells installed, and groundwater sampled? Yes

a) What is the average depth to groundwater at the site? [1] 12 feet

b) For each monitoring well completed at the site list information regarding surveyed elevation of the measuring point, depth to groundwater, and groundwater elevation on Table 4, Appendix B. Present the locations of the monitoring wells, including groundwater elevation values on Figure 5, Appendix C.

c) List all groundwater laboratory results on Table 3, Appendix B. Present monitoring well locations on Figure 4, Appendix C.

2. Was groundwater discovered in locations other than wells (e.g., tank excavations)? Yes

a) **At what locations (other than in wells) was groundwater discovered? [2]** Excavation #1

b) Identify the locations where groundwater was discovered (other than in wells) on Figure 4, Appendix C or on Figure 2, Appendix C, as appropriate. If groundwater at these locations was sampled, provide the sample results on Table 3, Appendix B. If groundwater was not sampled at these locations, explain why not. [2]

c) Were groundwater samples collected according to procedures filed with the OPS as part of the Listed Consultant program? Yes **According to the OPS Owner/Operator Guidance Document?** Yes **If neither, describe groundwater sample collection procedures. [3]**

F. QUALITY ASSURANCE/QUALITY CONTROL

1. Sampling Handling

a) Was all decontamination performed during this investigation in accordance with the QA/QC filed with the OPS as part of Listed Consultant program? Yes

b) Was all decontamination performed during this investigation in accordance with the QA/QC as described in Owner/Operator guidance document? Yes

c) If the answer to both of the above is no, complete the following table.

Equipment	Decontamination Method

2. Provide all information regarding sample handling and shipping as instructed in Appendix D.

G. GEOLOGY AND HYDROGEOLOGY

1. What is the lithology and stratigraphy of the unsaturated and uppermost saturated intervals? (Use the data collected during excavation activities and the drilling logs located in Appendix E, as appropriate). Clay and weathered shale, plastic, trace sand, soft to hard, over very hard Mancos shale.

2. Regional Hydrogeology (within ½ mile) (This information is required if groundwater was not encountered during the site characterization. If groundwater was encountered, regional data should only be obtained, as necessary, to supplement site specific data).

a) What is the average depth to groundwater? [1] 12 feet

b) What is the average thickness of the uppermost saturated interval? [1] 15 to 30 feet

c) What is the regional groundwater flow direction? [1] West-southwest

d) What is the source of the information? [1] Published data, topography, surface water (San Juan River) flow direction, wells

3. Site Hydrogeology (Answer the following questions only if groundwater was encountered during site activities).

a) What is the average depth to groundwater? [1] 12 feet

b) What is the average thickness of the uppermost saturated interval? [1] 15 to 30 feet

c) What is the groundwater flow direction (if known)? [1] west-southwest

APPENDIX A - INSTRUCTIONS

1. TABLES (Appendix B)

Table 1 - Summary of Organic Vapor Meter Readings

This table lists the results of field screening of soil samples with an Organic Vapor Meter (OVM). Information presented shall include sample location, OVM reading, sample depth (ft bgs), and an indication of whether the sample was analyzed at a laboratory.

Table 2 - Summary of Soil Laboratory Results

This table lists the results obtained from laboratory testing of soil samples. Information presented shall include sample designation, sample collection date, sample depth (ft bgs), and analyte concentrations. If any analyte was detected which is not listed on this table, answer "yes" in the "Other" column and attach the laboratory analytical reports for those analytes. Also include on Table 2 the rationale for sample collection, using the codes listed in the foot note.

TVPH = Total Volatile Petroleum Hydrocarbons
TEPH = Total Extractable Petroleum Hydrocarbons
TPH = Total Petroleum Hydrocarbons

Table 3 - Summary of Groundwater Laboratory Results

This table must be included when water samples are collected and shall present the results obtained from laboratory testing of water samples. Information presented shall include sample designation, sample collection date, sample depth (depth below grade level when collected from an excavation), analyte concentrations, and analytical methods. If any analyte was detected which is not listed on this table, answer "yes" in the "Other" column and attach the laboratory analytical reports for those analytes. Sample locations must be illustrated on Figure 5.

Table 4 - Groundwater Elevation Table

This table shall include the surveyed elevation of each well measured during this investigation, the date of the measurement and depth to water and the groundwater elevation.

2. FIGURES (Appendix C)

Requirements common to all maps include the following: title block with figure number, site name, site address, date, scale, north arrow, and a legend. Distinct symbols should be used to differentiate varying sampling and analytical techniques (e.g.☼ = Monitoring Well, ● = Borehole,◆ = Geoprobe Point, ▲ = OVM locations, □ = laboratory data). All maps must be created to scale.

Figure 1 - Site Map

This map shall illustrate the important features at the site and the area immediately adjacent to the site. Include locations of property boundaries, fences, streets (with names), site buildings, utilities and adjacent structures, USTs/ASTs, piping runs and dispensers, and type of ground cover.

Figure 2 - Excavation Sample Location Map

This map shall illustrate the former locations of the tanks, and the sampling locations from within each tank excavation. For each of these sampling locations include a text box with sample depth and laboratory analytical results. Clearly identify the dimensions of the excavation areas. Include features from Figure 1 as necessary for reference (e.g., major structures).

Figure 3 - Soil Sample Location Map

This map shall illustrate the sampling locations at the site (outside of the tank excavation(s)). Include features from Figure 1 as necessary for reference (e.g., major structures, excavations, etc.) For each of these sampling locations include a text box with sample depth and laboratory analytical results.

Figure 4 - Groundwater Sample Location Map

This map shall illustrate the groundwater sampling locations at the site. Include features from Figure 1 as necessary for reference (e.g., major structures, excavations, etc.). For each of these sampling locations include a text box with laboratory analytical results.

Figure 5 - Groundwater Elevation Map

This map shall illustrate the locations at which groundwater levels have been measured. Figure 1 may be used as a base map. Include the date of the measurement and the relative groundwater elevation. Provide groundwater elevation contours and an indication of the groundwater flow direction.

3. LABORATORY DOCUMENTATION (Appendix D)

Chain of Custody forms which accompany samples for laboratory analyses are required to contain the following information: site name and address, sample number, date and time sampled, matrix description (e.g. soil, water), container size, type and decontamination status (e.g. 40 ml laboratory decontaminated amber glass VOA vial), preservation method (e.g. HCl 5%, 4° C), date and method of transport to laboratory (e.g. hand delivered, Fed Ex etc.), analyte and methodology of analyses requested (e.g. Total Extractable Petroleum Hydrocarbons (TEPH) by EPA Method 8015 Modified), and the name and signature of the person collecting the samples. Also attach all laboratory reports, and laboratory quality assurance/quality control reports.

4. BOREHOLE LITHOLOGIC LOGS AND WELL COMPLETION (Appendix E)

Boring logs must include the site name and address, boring number, date completed, surface elevation, depth, borehole diameter, initial and static water levels (if available), drilling method, sampling method, lithologic graphic to scale, an indication of the intervals from which samples were obtained, results of VOC screening, and a geologic description and/or Unified Soil Classification System (USCS) class of each rock or soil type encountered including any staining or petroleum odors.

The following additional information should be included with the lithologic logs if a well has been completed. Include the total depth of the well, the casing elevation, the diameter of the well casing, the well casing material (e.g. PVC, stainless steel), the length and depth of the screened interval, the size and type of perforations of the screen (e.g. 0.010" milled slots), the type of filter pack material placed in the well (e.g. 10-20 mesh washed silica sand), the type of annular seal (e.g. 1/2" bentonite pellets), the type of grout used to fill the remaining annular space (e.g. Portland cement 5% bentonite), the type of well casing cap, the method of securing the well casing cap, and the type of protective surface casing. Also included should be a well completion graphic to scale which indicates the depth to the top of the filter pack, the depth to the top of the annular seal, and the location of the screened interval.

APPENDIX B -TABLES

TABLE 1- SUMMARY OF ORGANIC VAPOR METER READINGS

Sample Location I.D.	Date	Sample Depth (ft)	OVM Reading (ppm)	Laboratory Analyzed (y/n)
SB-11	9-6-01	5	0	N
SB-11	9-6-01	10	0	Y
SB-12	9-6-01	5	0	N
SB-12	9-6-01	10	0	Y
SB-13	9-6-01	5	0	N
SB-13	9-6-01	10	0	Y
SB-14	9-6-01	5	0	N
SB-14	9-6-01	10	0	Y

N/D = Not Detected
N/A = Not Analyzed

Site Street Address Intersection S.H. 84 & U.S. Hwy. 160 City Pagosa Springs

TABLE 2 - SUMMARY OF SOIL LABORATORY RESULTS

Sample Number	Date	Sample Depth (ft)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethyl-Benzene (mg/Kg)	Xylenes (mg/Kg)	MTBE (mg/Kg)	TVPH (mg/Kg)	TEPH (mg/Kg)	TPH (mg/Kg)	Oil & Grease (mg/Kg)	Other Analytes? * (y/n)	Rationale**
SB2SS2	8/21/00	10	1.1	1.8	5.6	24	<13	95	36				
SB2SS3	8/21/00	15	0.27	0.44	1.4	7.0	<0.13	16	17				
SB3SS2	8/21/00	10	2.2	2.2	4.3	17	0.23	47	45				
SB3SS3	8/21/00	15	0.94	1.4	1.4	3.5	<0.13	38	39				
SB4SS1	8/21/00	5	0.05	0.11	0.72	0.21	<0.13	<10	32				
SB4SS2	8/21/00	10	0.17	0.13	1.9	3.2	<0.13	12	32				
SB4SS3	8/21/00	15	0.34	0.36	0.77	1.1	<0.13	17	120				
SB5SS3	8/21/00	15	ND	ND	ND	ND	ND	ND	ND				
SB6SS2	8/21/00	10	1.5	0.79	5.1	27	ND	78	78				
SB6SS3	8/21/00	15	0.57	0.66	2.1	13	ND	100	220				
SB7SS3	8/21/00	15	ND	ND	ND	ND	ND	ND	ND				
SB8SS2	9/5/00	10	ND	ND	ND	ND	ND	ND	ND				
SB9SS2	9/5/00	10	ND	ND	ND	ND	ND	ND	ND				
SB10SS	9/5/00	10	ND	ND	ND	ND	ND	ND	ND				
SB10SS	9/5/00	15	ND	ND	ND	ND	ND	ND	ND				
SB-11	9-6-01	10	ND	ND	ND	ND	ND	ND	ND	ND		N	DE
SB-12	9-6-01	10	ND	ND	ND	ND	ND	ND	ND	ND		N	POC
SB-13	9-6-01	10	ND	0.006	ND	ND	ND	0.31	ND	0.31		N	UG
SB-14	9-6-01	10	ND	ND	ND	ND	ND	ND	ND	ND		N	POC

N/D = Less than the stated laboratory detection limit
N/A = Not Analyzed
* If "yes", list other analytes detected in a separate table
**Rationale – Tank removal (TR), Site Investigation (SI)

Site Street Address Intersection S.H. 84 & U.S. Hwy. 160 City Pagosa Springs

TABLE 3 - SUMMARY OF GROUNDWATER LABORATORY RESULTS

Sample Number	Date	Sample Depth (ft)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-Benzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	TVPH (mg/l)	TEPH (mg/l)	TPH (mg/l)	Oil & Grease (mg/l)	Other Analytes?* (y/n)	Rationale **
MW-1	29-Aug-00		**0.5500**	0.1800	**0.7000**	**3.7000**	**0.0500**						
MW-1	6-Sep-01		**0.5900**	0.2000	**0.7000**	**3.8600**	**0.0890**						IP
MW-1	7-Feb-02		**0.5300**	0.1900	0.4900	**3.8000**	**0.0630**						
MW-1	7-Jun-02		**0.4000**	0.1300	0.0920	**2.5900**		12.0000	1.0000			Y	
MW-1	19-Aug-02		**0.2200**	0.6000	0.0740	**1.4000**		9.8000	1.0000				
MW-1	13-Dec-02		**0.3600**	0.1200	0.5300	**2.3000**		14.0000	62.0000				
MW-1	20-May-03		**0.3400**	0.9600	0.4400	**2.6100**	**0.2200**						
MW-1	2-Dec-03		**0.9500**	0.1700	0.6700	**3.5300**	0.0010						
MW-1	10-May-04		**0.5600**	0.7800	0.3300	**1.7300**	0.0010						
MW-1	7-Oct-04		**2.1000**	0.1000	**0.7700**	**3.7700**	0.0010	29.0000	1.0000				
MW-1	18-Apr-05		**2.2000**	0.1500	**0.9700**	**4.6000**	0.0010	40.0000	1.0000				
MW-1	10-Oct-05		**1.7000**	0.1200	**0.9800**	**3.6000**	0.0010	22.0000	1.0000				
MW-1	11-Jan-06		**1.5000**	0.0960	**0.7400**	**3.7000**	0.0010	21.0000	1.0000				
MW-1	1-May-06		**0.6900**	0.1100	0.6500	**3.2000**	0.0010	21.0000	1.0000				
MW-1	15-Aug-06												
MW-1R	15-Aug-06		**1.2000**	0.1200	**1.0000**	**4.9000**	0.0010	39.0000	2.5000				
MW-1R	17-Apr-07		**0.5500**	0.0590	0.3700	**1.5000**	0.0010	11.0000	1.0000				
MW-1R	14-Aug-07		0.0010	0.0010	0.0010	0.0020	0.0010	1.0000	1.0000				
MW-1R	15-Apr-08		**0.6700**	0.0600	0.0600	**1.6000**	0.0010	10.0000	1.0000				
MW-1R	6-Aug-08		**0.5300**	0.2800	0.5500	**2.2000**	0.0100	17.0000	1.4000				
MW-1R	20-Nov-08		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000			Y	
MW-1R	4-Mar-09		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-1R	8-Jun-09		0.0010	0.0010	0.0010	0.0020	0.0025	0.0500	1.0000				
MW-1R	24-Sep-09		0.0020	0.0020	0.0020	0.0050	0.0100	0.5000	0.5000				

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MW-2	29-Aug-00		**0.0150**	0.0014	0.0170	0.0310	0.0025						
MW-2	6-Sep-01												
MW-2R	6-Sep-01		0.0033	0.0010	0.0020	0.0020	0.0052						
MW-2R	7-Feb-02		0.0021	0.0010	0.0010	0.0020	0.0010						
MW-2R	7-Jun-02		0.0010	0.0010	0.0010	0.0020		1.0000	1.0000				
MW-2R	19-Aug-02		0.0010	0.0010	0.0010	0.0020		1.0000	1.0000				
MW-2R	13-Dec-02		0.0010	0.0010	0.0010	0.0020		1.0000	1.0000				
MW-2R	20-May-03		0.0010	0.0010	0.0010	0.0020	0.0010						
MW-2R	2-Dec-03		0.0010	0.0010	0.0010	0.0020	0.0010						
MW-2R	10-May-04		0.0010	0.0010	0.0010	0.0020	0.0010						
MW-2R	7-Oct-04		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-2R	18-Apr-05		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-2R	10-Oct-05		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000			Y	
MW-2R	11-Jan-06		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-2R	1-May-06		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-2R	15-Aug-06		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-2R	17-Apr-07		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-2R	14-Aug-07		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-2R	15-Apr-08		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-2R	6-Aug-08		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-2R	20-Nov-08		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-2R	4-Mar-09		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-2R	8-Jun-09		0.0010	0.0010	0.0010	0.0020	0.0025	0.0500	1.0000				
MW-2R	24-Sep-09		0.0020	0.0020	0.0020	0.0050	0.0100	0.5000	0.5000				
													POC

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MW-3	29-Aug-00		**0.7500**	0.4600	0.4300	**4.1000**	0.0025						
MW-3	6-Sep-01		**1.1000**	0.2200	**0.7700**	**4.9000**	0.0010						
MW-3	7-Feb-02		**0.3500**	0.0660	0.2500	**2.4000**	**0.0300**						
MW-3	7-Jun-02		**0.0690**	0.0120	0.0620	0.3900		1.9000	1.0000				
MW-3	19-Aug-02		**0.1000**	0.0140	0.1100	0.8200		1.8000	1.0000				
MW-3	13-Dec-02		**0.3200**	0.0120	0.1700	0.6200		3.3000	1.0000				
MW-3	20-May-03		**0.3500**	0.0250	0.2900	**1.7700**	**0.1100**						
MW-3	2-Dec-03		**0.3700**	0.0300	0.4900	**2.0800**	0.0010						
MW-3	10-May-04		**0.4600**	0.0100	0.1700	0.5100	0.0010						
MW-3	7-Oct-04		**0.5200**	0.0010	0.6000	**2.8300**	0.0010	16.0000	1.0000				
MW-3	18-Apr-05		**0.9900**	0.0480	0.5200	**2.6700**	0.0010	41.0000	1.0000				
MW-3	10-Oct-05												
MW-3R	15-Aug-06		**0.0560**	**0.0071**	0.0030	0.0088	0.0010	0.2900	1.0000				
MW-3R	17-Apr-07		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				POC
MW-3R	14-Aug-07		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-3R	15-Apr-08		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000			Y	
MW-3R	6-Aug-08		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-3R	20-Nov-08		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-3R	4-Mar-09		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-3R	8-Jun-09		0.0010	0.0010	0.0010	0.0020	0.0025	0.0500	1.0000				
MW-3R	24-Sep-09		0.0020	0.0020	0.0020	0.0050	0.0100	0.5000	0.5000				
													POC

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MW-5	29-Aug-00		0.0010	0.0010	0.0010	0.0020	0.0010					Y	
MW-5	6-Sep-01		0.0010	0.0010	0.0010	0.0020	0.0010						
MW-5	7-Feb-02		0.0010	0.0010	0.0010	0.0020		0.0500	1.0000				
MW-5	7-Jun-02		0.0010	0.0010	0.0010	0.0020		0.0500	1.0000				
MW-5	19-Aug-02		0.0010	0.0010	0.0010	0.0020		0.2400	1.0000				
MW-5	13-Dec-02		0.0010	0.0010	0.0010	0.0020	0.0010						
MW-5	20-May-03		0.0010	0.0010	0.0010	0.0020	0.0010						
MW-5	2-Dec-03		0.0010	0.0010	0.0010	0.0020	0.0010						
MW-5	10-May-04		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-5	7-Oct-04		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-5	18-Apr-05		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-5	10-Oct-05		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-5	11-Jan-06		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-5	1-May-06		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-5	15-Aug-06		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				POC
MW-5	17-Apr-07		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-5	14-Aug-07		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000			Y	
MW-5	15-Apr-08		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-5	6-Aug-08		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-5	20-Nov-08		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-5	4-Mar-09		0.0010	0.0010	0.0010	0.0020	0.0010	0.0500	1.0000				
MW-5	8-Jun-09		0.0010	0.0010	0.0010	0.0020	0.0025	0.0500	1.0000				
MW-5	24-Sep-09		0.0020	0.0020	0.0020	0.0050	0.0100	0.5000	0.5000				
													UG

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N/D = Less than the stated laboratory detection limit
N/A = Not Analyzed
* If "yes", list other analytes detected in a separate table
**Rationale – Tank Removal (TR), Site Investigation (SI)

Site Street Address Intersection S.H. 84 & U.S. Hwy. 160 City Pagosa Springs

TABLE 4 - GROUNDWATER ELEVATION

Well #	Date Measured	Surveyed Elevation (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Top of Product Elevation (ft)	Water Table Elevation (ft)	Corrected Water Table Elevation (ft)

APPENDIX C - FIGURES

APPENDIX D - LABORATORY DOCUMENTATION

APPENDIX E - BOREHOLE LITHOLOGIC LOGS AND WELL COMPLETION