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# MONITORING REPORTS

DATE: 2009



### 2009 ANNUAL MONITORING REPORT

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MAR 25 2010

#### TNM SPS-11

Environmental Bureau

NW 4 SE 4 of SECTION 18, TOWNSHIP 18 SOUTH, RANGE 36 EAST Onservation Division LEA COUNTY, NEW MEXICO PLAINS SRS NUMBER: TNM-SPS-11 **NMOCD Reference GW-0140** 

#### PREPARED FOR:

PLAINS MARKETING, L.P. 333 CLAY STREET, SUITE 1600 HOUSTON, TEXAS 77002



#### PREPARED BY:

**NOVA Safety and Environmental** 

2057 Commerce Midland, Texas 79703

March 2010

Ronald K. Rounsaville

Senior Project Manager

Brittan K. Byerly, P.G.
President

President



March 22, 2010

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Mr. Edward Hansen New Mexico Oil Conservation Division Environmental Bureau 1220 South St. Francis Drive Santa Fe, New Mexico 87505

MAR 25 Environmental Burgas:
Oil Conservation Dissister.

Re:

Plains All American - 2009 Annual Monitoring Reports

12 Sites in Lea County, New Mexico

Dear Mr. Hansen:

Plains All American is an operator of crude oil pipelines and terminal facilities in the state of New Mexico. Plains All American actively monitors certain historical release sites exhibiting groundwater impacts, consistent with assessments and work plans developed in consultation with the New Mexico Oil Conservation Division (NMOCD). In accordance with the rules and regulations of the NMOCD, Plains All American hereby submits our Annual Monitoring reports for the following sites:

34 Junc. to Lea Sta.	1R-0386	Section 21, Township 20 South, Range 37 East, Lea County
34 Junction South	1R-0456	Section 02, Township 17 South, Range 36 East, Lea County
Bob Durham	AP-0016	Section 32, Township 19 South, Range 37 East, Lea County
Darr Angell #1	AP-007	Section 11, Township 15 South, Range 37 East, Lea County
Darr Angell #2	AP-007	Section 11, Township 15 South, Range 37 East, Lea County
		Section 14, Township 15 South, Range 37 East, Lea County
Darr Angell #4	AP-007	Section 11, Township 15 South, Range 37 East, Lea County
		Section 02, Township 15 South, Range 37 East, Lea County
Denton Station	1R-0234	Section 14, Township 15 South, Range 37 East, Lea County
HDO-90-23	AP-009	Section 06, Township 20 South, Range 37 East, Lea County
SPS-11	GW-0140	Section 18, Township 18 South, Range 36 East, Lea County
TNM 97-04	GW-0294	Section 11, Township 16 South, Range 35 East, Lea County
TNM 97-17	AP-017	Section 21, Township 20 South, Range 37 East, Lea County
TNM 97-18	AP-0013	Section 28, Township 20 South, Range 37 East, Lea County

Nova Safety and Environmental (Nova) prepared these documents and has vouched for their accuracy and completeness, and on behalf of Plains All American, I have personally reviewed the documents and interviewed Nova personnel in order to verify the accuracy and completeness of these documents. It is based upon these inquiries and reviews that Plains All American submits the enclosed Annual Monitoring Reports for the above facilities.



If you have any questions or require further information, please contact me at (575) 441-1099.

Sincerely,

Jason Henry

Remediation Coordinator

Plains All American

CC: Larry Johnson, NMOCD, Hobbs, NM

Enclosures

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Environmental Bureau
Oil Conservation Pariston

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Appendix A – Release Notification and Corrective Action (Form C-141)

#### **ENCLOSED ON DATA DISK**

2009 Annual Monitoring Report

2009 Tables 1, 2 and 3 – Groundwater Elevation, BTEX, TPH and PAH Concentration Data 2009 Figures 1, 2A-2D, and 3A-3D

Electronic Copies of Laboratory Reports

Historic Table 1 and 2 – Groundwater Elevation and BTEX, TPH, PAH Concentration Tables

#### INTRODUCTION

On behalf of Plains Marketing, L.P. (Plains), NOVA Safety and Environmental (NOVA) is pleased to submit this Annual Monitoring Report in compliance with the New Mexico Oil Conservation Division (NMOCD) letter of May 1998 requiring submittal of an Annual Monitoring Report by April 1 of each year. Beginning on May 29, 2004, project management responsibilities were assumed by NOVA. The TNM SPS-11 Release Site (the site), which was formerly the responsibility of Texas New Mexico Pipeline Company (TNM) and EOTT Energy Corporation (EOTT) which became Link Energy, is now the responsibility of Plains. This report is intended to be viewed as a complete document with text, figures, tables and appendices. The report presents the results of the quarterly groundwater monitoring events conducted in calendar year 2009 only. However, historical data tables as well as 2009 laboratory analytical reports are included on the enclosed data disk. Historic information prior to August 19, 1999 does not appear on the enclosed data disk because this data is unavailable. For reference, the Site Location Map is provided as Figure 1.

Groundwater monitoring was conducted during each quarter of 2009 to assess the levels and extent of dissolved phase constituents and Phase Separated Hydrocarbon (PSH). Each groundwater monitoring event consisted of measuring static water levels in monitor wells, checking for the presence of PSH on the water column and purging and sampling of each well exhibiting sufficient recharge. Groundwater samples from monitor wells containing a thickness of PSH greater than 0.01 foot were sampled during the 4<sup>th</sup> quarter of 2009, as per a NMOCD directive.

#### SITE DESCRIPTION AND BACKGROUND INFORMATION

The site is located approximately 15 miles west of the town of Hobbs, New Mexico in the NW ¼ of the SE ¼ of Section 18, Township 18 South, Range 36 East. Observations in the field indicate the surface topography in the area of the site to be nearly flat. Ground cover consists of low grasses with few mesquite bushes. The predominant land usage is in the production of oil and gas and as livestock pasture.

According to the Site Investigation and Remedial Action Plan prepared by TNM and dated January 25, 1993, water from a utility well (SPS-11) belonging to Southwestern Public Service Company (SPS) was sampled on April 2, 1991. The analytical results indicated benzene concentrations were above the Environmental Protection Agency (EPA) drinking water standards. The water well was taken out of service in April 1991. A TNM pipeline adjacent to the water well was identified and a hydrocarbon surface stain was observed in the vicinity of utility well SPS-11. The staining was reportedly the result of a pipeline release prior to 1975. No detailed information from the previous pipeline owners or consultants with respect to the release date, volume of crude oil released, or pipeline repair is available, at this time. The Release Notification and Corrective Action (Form C-141) is provided as Appendix B.

Initial site investigation actions were performed for TNM and EOTT by previous consultants. A total of twenty-five soil borings/groundwater monitoring wells (MW-1 through MW-25) were

installed prior to October 1999, and six monitor wells were installed between May 2000 and December 2001. In 2004, two additional monitor wells (MW-32 and MW-33) were installed.

In March 2006, one soil boring (SB-106) was advanced and two monitor wells (MW-34 and MW-35) were installed. In September 2006, one soil boring (SB-206) was advanced and three monitor wells (MW-36, MW-37, and MW-38) were installed.

On November 27, 2007, two additional monitor wells (MW-39 and MW-40) were installed to further delineate the down gradient impact to groundwater.

Of the forty monitor wells installed at the site since project inception, two monitor wells (MW-5 and MW-8) could not be located in the available historic data. Monitor wells MW-20, MW-22, and MW-27 were plugged and abandoned September 14, 2005, after review of relevance and approval from the NMOCD.

There are currently thirty-five monitor wells on site.

#### FIELD ACTIVITIES

#### **Product Recovery Efforts**

Based on gauging data collected during the reporting period, a measurable thickness of PSH was detected in monitor wells MW-1, MW-4, MW-7 and former producing well PW-2. The maximum thickness of PSH in the monitor or producing wells was 2.80 feet as recorded in monitor well MW-4 on January 2, 2009. The average thickness of PSH in monitor wells exhibiting PSH and the out-of-service producing well is 1.03 feet. PSH data for the 2009 gauging events can be found in Table 1. PSH recovery is performed on a weekly schedule by manual recovery methods.

#### **Groundwater Monitoring**

Quarterly monitoring events for the reporting period were performed according to the following sampling schedule, which was approved by the NMOCD in correspondence dated April 28, 2004 and amended by NMOCD correspondences dated June 22, 2005 and May 2, 2006.

	NMOCD Approved Sampling Schedule								
MW-1	Quarterly	MW-15	-15 Quarterly		Quarterly				
MW-2	Annually	MW-16	Quarterly	MW-30	Annually				
MW-3	Annually	MW-17	Quarterly	MW-31	Annually				
MW-4	Quarterly	MW-18	Semi-Annually	MW-32	Quarterly				
MW-5	-	MW-19	Annually	MW-33	Quarterly				
MW-6	Quarterly	MW-20	Plugged and Abandoned	MW-34	Quarterly				
MW-7	Quarterly	MW-21	Annually	MW-35	Quarterly				
MW-8	-	MW-22	Plugged and Abandoned	MW-36	Quarterly				
MW-9	Quarterly	MW-23	Quarterly	MW-37	Quarterly				
MW-10	Quarterly	MW-24	Quarterly	MW-38	Quarterly				
MW-11	Quarterly	MW-25	Annually	MW-39	Quarterly				
MW-12	Quarterly	MW-26	Quarterly	MW-40	Quarterly				
MW-13	Annually	MW-27	Plugged and Abandoned						
MW-14	Quarterly	MW-28	Quarterly						

The site monitor wells were gauged and sampled on February 26-27, May 21-22, August 18, and December 9-10, 2009. During each sampling event, monitor wells were purged of a minimum of three well volumes of water or until the wells failed to produce water. Purging was performed using disposable polyethylene bailer for each well or electrical Grundfos pump and dedicated tubing. Groundwater was allowed to recharge and samples were collected using disposable Teflon samplers. Water samples were placed in clean glass containers provided by the laboratory and placed on ice in the field. Purge water was collected in a polystyrene tank and disposed of at a licensed disposal facility.

Locations of the monitor wells and the inferred groundwater gradient, which were constructed from measurements collected during quarterly sampling events performed in 2009, are depicted on Figures 2A through 2D, the Inferred Groundwater Gradient Maps. Groundwater elevation data for 2009 is provided as Table 1. Historic groundwater elevation data is provided on the enclosed data disk.

The most recent Inferred Groundwater Gradient Map, Figure 2D, indicates a general gradient of approximately 0.003 feet/foot to the southeast as measured between monitor wells MW-12 and MW-38. This is consistent with data presented on Figures 2A through 2C from earlier in the year. The corrected groundwater elevations ranged between 3,792.67 and 3,805.72 feet above mean sea level, in monitor well MW-38 on May 21, 2009 and in monitor well MW-14 on January 8, 2009, respectively. PSH data for the 2009 gauging events can be found in Table 1 and on Figures 3A through 3D.

#### LABORATORY RESULTS

Based on the results of the groundwater monitoring and sampling activities over the past several years, it is reasonable to believe that the SPS-11 site appears to be composed of three separate release incidents. Each area is defined by impacted soil and groundwater but the areas are separated by clean wells supported by analytical data. For discussion purposes, we have identified the area to the northwest as "Area 1" and it consists of monitor wells MW-6, MW-9, MW-12, MW-13, MW-14, MW-15, MW-16, MW-23, MW-24 and MW-25. "Area 2" is the central area and it consists of monitor wells MW-1, MW-2, MW-3, MW-4, MW-7, MW-10, MW-11, MW-18, MW-19, MW-21, MW-39 and PW-2. "Area 3" is the area to the southeast and it consists of monitor wells MW-17, MW-26, MW-28, MW-29, MW-30, MW-31, MW-32, MW-33, MW-34, MW-35, MW-36, MW-38 and MW-40.

Monitor wells MW-1, MW-4 and MW-7 contained measurable PSH throughout the reporting period and were not sampled during the first three quarters of 2009.

Groundwater samples obtained during the quarterly sampling events of 2009 were delivered to TraceAnalysis, Inc. in Midland, Texas for determination of Benzene, Toluene, Ethylbenzene and Xylene (BTEX) constituent concentrations by EPA Method 8021B, and Polynuclear Aromatic Hydrocarbons (PAH) concentrations by EPA Method 8270C. Monitoring wells containing measurable amounts of PSH were analyzed for Total Petroleum Hydrocarbons (TPH) concentrations by EPA Method 8015M. A listing of BTEX and TPH constituent concentrations for 2009 are summarized in Table 2 and the PAH constituent concentrations for 2009 are

summarized in Table 3. Copies of the laboratory reports generated for 2009 are provided on the enclosed data disk. The quarterly groundwater sample results for BTEX constituent concentrations are depicted on Figures 3A through 3D.

#### Area 1 Wells

Monitor well MW-6 is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-9** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0551 mg/L during the 4th quarter to 0.2070 mg/L during the 3<sup>rd</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standard during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from <0.005 mg/L during the 2<sup>nd</sup> quarter to 0.0113 mg/L during the 4<sup>th</sup> quarter of 2009. Ethyl-benzene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00149 mg/L), 1-methylnaphthalene (0.0013 mg/L), 2-methylnaphthalene (0.00042 mg/L) and dibenzofuran (0.000837 mg/L), which are below WQCC standards.

**Monitor well MW-12** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters to 0.0111 mg/L during the 1<sup>st</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during the 1<sup>st</sup> quarter of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations were below the MDL and NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters to 0.0237 mg/L during the 1<sup>st</sup> quarter of 2009. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-13** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during the 4<sup>th</sup> quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last thirty-three consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-14** is sampled on a quarterly schedule and was inadvertently not sampled during the 1<sup>st</sup> quarter sampling event. Analytical results indicate benzene concentrations ranged

from 3.500 mg/L during the 3<sup>rd</sup> quarter to 5.400 mg/L during the 4<sup>th</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.236 mg/L during the 3<sup>rd</sup> quarter to 0.286 mg/L during the 2<sup>nd</sup> quarter of 2009. Ethyl-benzene concentrations were below the NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Xylene concentrations were below the MDL and NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00746 mg/L), 1-methylnaphthalene (0.0121 mg/L), 2-methylnaphthalene (0.00844 mg/L), anthracene (0.00103 mg/L), phenanthrene (0.00101 mg/L) and dibenzofuran (0.00113 mg/L), which are below WQCC standards.

**Monitor well MW-15** is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last thirty-two consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-16 is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0033 mg/L during the 4<sup>th</sup> quarter to 0.0481 mg/L during the 1<sup>st</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during the 1<sup>st</sup> and 2<sup>nd</sup> quarters of the reporting period. Toluene concentrations ranged from 0.0022 mg/L during the 4<sup>th</sup> quarter to 0.0666 mg/L during the 1<sup>st</sup> quarter of 2009. Toluene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from <0.001 mg/L during the 3<sup>rd</sup> quarter to 0.018 mg/L during the 1<sup>st</sup> quarter of 2009. Ethyl-benzene concentrations were below the NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 4<sup>th</sup> quarter to 0.0379 mg/L during the 1<sup>st</sup> quarter of 2009. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-23** is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last forty-two consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-24** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 4<sup>th</sup> quarter to 0.0178 mg/L during the 1<sup>st</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during the 1<sup>st</sup> quarter of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 4<sup>th</sup> quarter to 0.0282 mg/L during the 1<sup>st</sup> quarter of 2009. Toluene concentrations were below

NMOCD regulatory standards during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from <0.001 mg/L during the 4<sup>th</sup> quarter to 0.0262 mg/L during the 1<sup>st</sup> quarter of 2009. Ethyl-benzene concentrations were below the NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 4<sup>th</sup> quarter to 0.0448 mg/L during the 1<sup>st</sup> quarter of 2009. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-25** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during the 4<sup>th</sup> quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-seven consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

#### Area 2 Wells

Monitor well MW-1 is monitored on a quarterly schedule. Monitor well MW-1 was not sampled during the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 0.71 feet, 0.43 feet and 0.74 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarters of 2009, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4<sup>th</sup> quarter of the reporting period with a concentration of 2.690 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4<sup>th</sup> quarter of the reporting period with a concentration of 0.578 mg/L. Ethyl-benzene concentrations were above NMOCD regulatory standards during the 4<sup>th</sup> quarter of the reporting period with a concentration of 1.28 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4<sup>th</sup> quarter of the reporting period with a concentration of 1.26 mg/L. Analytical results indicated a total TPH result of 56.9 mg/L. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.0744 mg/L), 1-methylnaphthalene (0.140 mg/L) and 2-methylnaphthalene (0.130 mg/L). Additional PAH constituents detected above MDLs include fluorene (0.0105 mg/L), phenanthrene (0.0155 mg/L) and dibenzofuran (0.0111 mg/L), which are below WOCC standards.

**Monitor well MW-2** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below laboratory method detection limits (MDL) and NMOCD regulatory standards of 0.01 mg/L for benzene, 0.75 mg/L for toluene, 0.75 mg/L for ethylbenzene and 0.62 for xylene during the 4<sup>th</sup> quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below regulatory standards for the last twenty-seven consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-3** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during the 4<sup>th</sup> quarter sampling event. The analytical results indicate BTEX

constituent concentrations have been below NMOCD regulatory standards for the last thirty-three consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-4** is monitored on a quarterly schedule. Monitor well MW-4 was not sampled during the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarters of the reporting period, due to the presence of PSH in the monitor well. PSH thicknesses of 2.00 feet, 1.05 feet and 2.25 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarters of 2009, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4<sup>th</sup> quarter of the reporting period with a concentration of 1.110 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4<sup>th</sup> quarter of the reporting period with a concentration of 0.272 mg/L. Ethyl-benzene concentrations were above NMOCD regulatory standards during the 4<sup>th</sup> quarter of the reporting period with a concentration of 1.670 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4<sup>th</sup> quarter of the reporting period with a concentration of 1.970 mg/L. Analytical results indicated a total TPH result of 280.0 mg/L. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (0.226 mg/L), 1-methylnaphthalene (0.616 mg/L) and 2-methylnaphthalene (0.578 mg/L). Additional PAH constituents detected above MDLs include phenanthrene (0.0766 mg/L) and dibenzofuran (0.0478 mg/L), which are below WQCC standards.

**Monitor well MW-7** is monitored on a quarterly schedule. Monitor well MW-7 was not sampled during the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarters of the reporting period, due to the presence of PSH. PSH thicknesses of 0.76 feet, 0.45 feet and 0.63 feet were reported during the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarters of 2009, respectively. Benzene concentrations were above the NMOCD regulatory standard during the 4<sup>th</sup> quarter of the reporting period with a concentration of 2.470 mg/L. Toluene concentrations were below NMOCD regulatory standards during the 4<sup>th</sup> quarter of the reporting period with a concentration of 0.681 mg/L. Ethyl-benzene concentrations were above NMOCD regulatory standards during the 4<sup>th</sup> quarter of the reporting period with a concentration of 2.11 mg/L. Xylene concentrations were above NMOCD regulatory standards during the 4<sup>th</sup> quarter of the reporting period with a concentration of 1.480 mg/L. Analytical results indicated a total TPH result of 173.4 mg/L. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above WQCC Drinking Water Standards for naphthalene (1.27 mg/L), 1-methylnaphthalene (3.48 mg/L) and 2-methylnaphthalene (3.24 mg/L). Additional PAH constituents detected above MDLs include phenanthrene (0.461 mg/L) and dibenzofuran (0.284 mg/L), which are below WQCC standards.

**Monitor well MW-10** is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and NMOCD regulatory standards for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-11** is sampled on a quarterly schedule and was inadvertently not sampled during the 1<sup>st</sup> quarter sampling event. Analytical results indicate benzene concentrations ranged from 2.450 mg/L during the 2<sup>nd</sup> quarter to 3.430 mg/L during the 4<sup>th</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of

the reporting period. Toluene concentrations were below the NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.499 mg/L during the 2<sup>nd</sup> quarter to 0.665 mg/L during the 4<sup>th</sup> quarter of 2009. Ethyl-benzene concentrations were below the NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Xylene concentrations ranged from <0.050 mg/L during the 4<sup>th</sup> quarter to 0.342 mg/L during the 3<sup>rd</sup> quarter of 2009. Xylene concentrations were below NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00621 mg/L), 1-methylnaphthalene (0.00664 mg/L), 2-methylnaphthalene (0.00103 mg/L) and dibenzofuran (0.00103 mg/L), which are below WQCC standards.

**Monitor well MW-18** is sampled on a semi-annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during the 2<sup>nd</sup> and 4<sup>th</sup> quarter sampling events. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last thirty-eight consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-19** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during the 4<sup>th</sup> quarter of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-six consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-21** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during the 4<sup>th</sup> quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-seven consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-39** is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last nine consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

#### Area 3 Wells

**Monitor well MW-17** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0015 mg/L during the 4<sup>th</sup> quarter to 0.0173 mg/L during the 1<sup>st</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during the 1<sup>st</sup> quarter of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters to 0.0119 mg/L during the 1<sup>st</sup> quarter of 2009. Toluene concentrations

were below NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters to 0.0092 mg/L during the 1<sup>st</sup> quarter of 2009. Ethyl-benzene concentrations were below the NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 2<sup>nd</sup> and 4<sup>th</sup> quarters to 0.0258 mg/L during the 1<sup>st</sup> quarter of 2009. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-26** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.3680 mg/L during the 2<sup>nd</sup> quarter to 0.5030 mg/L during the 1<sup>st</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards all four quarters of the reporting period. Toluene concentrations ranged from 0.0310 mg/L during the 4<sup>th</sup> quarter to 0.231 mg/L during the 1<sup>st</sup> quarter of 2009. Toluene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.0408 mg/L during the 4<sup>th</sup> quarter to 0.148 mg/L during the 1<sup>st</sup> quarter of 2009. Ethyl-benzene concentrations were below the NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.010 mg/L during the 3<sup>rd</sup> quarter to 0.178 mg/L during the 1<sup>st</sup> quarter of 2009. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00128 mg/L), which is below WQCC standards.

**Monitor well MW-28** is sampled on a quarterly schedule and was inadvertently not sampled during the 1<sup>st</sup> quarter sampling event. Analytical results indicate benzene concentrations ranged from 0.8950 mg/L during the 4<sup>th</sup> quarter to 1.250 mg/L during the 1<sup>st</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.0639 mg/L during the 4<sup>th</sup> quarter to 0.158 mg/L during the 2<sup>nd</sup> quarter of 2009. Ethyl-benzene concentrations were below the NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Xylene concentrations were below the MDL and NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00315 mg/L), 1-methylnaphthalene (0.00217 mg/L), 2-methylnaphthalene (0.000988 mg/L) and dibenzofuran (0.000758 mg/L),which are below WQCC standards.

**Monitor well MW-29** is sampled on a quarterly schedule and was inadvertently not sampled during the 1<sup>st</sup> quarter sampling event. Analytical results indicate benzene concentrations ranged from 1.000 mg/L during the 4<sup>th</sup> quarter to 1.180 mg/L during the 3<sup>rd</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Toluene concentrations were below the MDL and NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.236 mg/L during the 4<sup>th</sup> quarter to 0.316 mg/L during the 3<sup>rd</sup> quarter of 2009. Ethyl-benzene concentrations were below the NMOCD regulatory standards

during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Xylene concentrations ranged from <0.010 mg/L during the 4<sup>th</sup> quarter to 0.1320 mg/L during the 1<sup>st</sup> quarter of 2009. Xylene concentrations were below the NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.0136 mg/L), 1-methylnaphthalene (0.00668 mg/L), 2-methylnaphthalene (0.00332 mg/L) and dibenzofuran (0.00125 mg/L), which are below WQCC standards.

**Monitor well MW-30** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during the 4<sup>th</sup> quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-seven consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-31** is sampled on an annual schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during the 4<sup>th</sup> quarter sampling event. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty-seven consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Monitor well MW-32 is sampled on a quarterly schedule and was inadvertently not sampled during the 1<sup>st</sup> quarter sampling event. Analytical results indicate benzene concentrations ranged from 1.660 mg/L during the 4<sup>th</sup> quarter to 2.430 mg/L during the 2<sup>nd</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Toluene concentrations ranged from <0.010 mg/L during the 3<sup>rd</sup> quarter to 0.115 mg/L during the 2<sup>nd</sup> quarter of 2009. Toluene concentrations were below NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Ethyl-benzene concentrations ranged from 0.0478 mg/L during the 4<sup>th</sup> quarter to 0.166 mg/L during the 2<sup>nd</sup> quarter of 2009. Ethyl-benzene concentrations were below the NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. Xylene concentrations ranged from <0.010 mg/L during the 3<sup>rd</sup> and 4<sup>th</sup> quarters to 0.257 mg/L during the 2<sup>nd</sup> quarter of 2009. Xylene concentrations were below NMOCD regulatory standards during the 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.00284 mg/L), 1-methylnaphthalene (0.00181 mg/L) and dibenzofuran (0.000877 mg/L), which are below WQCC standards.

**Monitor well MW-33** is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last twenty consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-34** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 4<sup>th</sup> quarter to 0.4200 mg/L during the 1<sup>st</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarters of the reporting period. Toluene, ethyl-benzene and xylene concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-35** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0098 mg/L during the 4<sup>th</sup> quarter to 0.0560 mg/L during the 2<sup>nd</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarters of the reporting period. Toluene concentrations ranged from <0.001 mg/L during the 3<sup>rd</sup> and 4<sup>th</sup> quarters to 0.0126 mg/L during the 1<sup>st</sup> quarter of 2009. Toluene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. Ethylbenzene concentrations ranged from <0.001 mg/L during the 3<sup>rd</sup> and 4<sup>th</sup> quarters to 0.0305 mg/L during the 1<sup>st</sup> quarter of 2009. Ethyl-benzene concentrations were below the NMOCD regulatory standards during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 4<sup>th</sup> quarter to 0.0711 mg/L during the 1<sup>st</sup> quarter of 2009. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-36** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0305 mg/L during the 4<sup>th</sup> quarter to 0.2670 mg/L during the 1<sup>st</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene, ethyl-benzene and xylene concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated elevated concentrations above MDLs for naphthalene (0.000516 mg/L), which is below WQCC standards.

**Monitor well MW-37** is sampled on a quarterly schedule and analytical results indicate BTEX constituent concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last fourteen consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-38** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from <0.001 mg/L during the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarters to 0.0070 mg/L during the 4<sup>th</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene, ethyl-benzene and xylene concentrations were below the MDL and the NMOCD regulatory standard for each BTEX constituent during all four quarters of the reporting period. The analytical results indicate BTEX constituent concentrations have been below NMOCD regulatory standards for the last fourteen

consecutive quarters. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

**Monitor well MW-40** is sampled on a quarterly schedule and analytical results indicate benzene concentrations ranged from 0.0795 mg/L during the 4<sup>th</sup> quarter to 0.2240 mg/L during the 2<sup>nd</sup> quarter of 2009. Benzene concentrations were above NMOCD regulatory standards during all four quarters of the reporting period. Toluene and ethyl-benzene concentrations were below the MDL and the NMOCD regulatory standard during all four quarters of the reporting period. Xylene concentrations ranged from <0.001 mg/L during the 4<sup>th</sup> quarter to 0.0613 mg/L during the 2<sup>nd</sup> quarter of 2009. Xylene concentrations were below NMOCD regulatory standards during all four quarters of the reporting period. PAH analysis during the 4<sup>th</sup> quarter sampling event indicated no elevated concentrations were detected above the respective MDLs.

Laboratory analytical results were compared to NMOCD regulatory limits based on the New Mexico groundwater standards found in section 20.6.2.3103 of the New Mexico Administrative Code.

#### **SUMMARY**

This report presents the results of monitoring and sampling activities during the annual reporting period of 2009. Currently, there are thirty-five groundwater monitor wells (MW-1 through MW-40, excluding MW-5, MW-8, MW-20, MW-22, and MW-27) in three apparent separate plumes on site. The most recent Groundwater Gradient Map indicates a general gradient of approximately 0.003 feet/foot to the southeast.

Based on gauging data collected during the reporting period, a measurable thickness of PSH was only detected in Area 2 in monitor wells MW-1, MW-4, MW-7 and former producing well PW-2. The maximum thickness of PSH in monitor or producing well was 2.80 feet as recorded in monitor well MW-4 on January 2, 2009. The average thickness of PSH in monitor wells exhibiting PSH and the out-of-service producing well is 1.03 feet. PSH data for the 2009 gauging events can be found in Table 1. PSH recovery is performed on a weekly schedule by manual recovery methods.

Monitor wells MW-1, MW-4 and MW-7 contained measurable PSH and were not sampled during the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> quarters of the reporting period. Monitor wells MW-7 contained measurable PSH during the 4<sup>th</sup> quarter of the reporting period and was sampled as per the NMOCD directive.

Review of laboratory analytical results from samples collected from monitor wells within Area 1 indicates BTEX constituent concentrations are below NMOCD regulatory standards in five of the ten monitor wells within Area 1. Review of PAH analysis indicates an increasing trend in constituent concentrations in one monitor well (MW-9), a decreasing trend in two monitor wells (MW-6 and MW-14) and non-detect concentrations in seven monitor wells (MW-12, MW-13, MW-15, MW-16, MW-23, MW-24 and MW-25).

Review of laboratory analytical results from samples collected from monitor wells within Area 2 indicates BTEX constituent concentrations are below NMOCD regulatory standards in seven of the eleven monitor wells within Area 2. Review of PAH analysis indicates an increasing trend in constituent concentrations in four monitor wells (MW-1, MW-4, MW-7 and MW-11), and non-detect concentrations in seven monitor wells (MW-2, MW-3, MW-10, MW-18, MW-19, MW-21 and MW-39).

Review of laboratory analytical results from samples collected from monitor wells within Area 3 indicates BTEX constituent concentrations are below NMOCD regulatory standards in five of the fourteen monitor wells within Area 3. Review of PAH analysis indicates an increasing trend in constituent concentrations in three monitor wells (MW-28, MW-29 and MW-32), a decreasing trend in two monitor wells (MW-26 and MW-36) and non-detect concentrations in nine monitor wells (MW-17, MW-30, MW-31, MW-33, MW-34, MW-35, MW-37, MW-38 and MW-40).

#### ANTICIPATED ACTIONS

Groundwater monitoring and weekly PSH recovery will continue in 2010. An Annual Monitoring Report will be submitted to the NMOCD before April 1, 2011.

Based on the results of the PAH analysis over the past several years, NOVA recommends that further PAH analysis be conducted only on those monitor wells (MW-1, MW-4, MW-7, MW-9, MW-11, MW-14, MW-26, MW-28, MW-29 and MW-32) which have historically exhibited elevated constituents near or above the WQCC standards.

Plains is currently requesting site access to install an additional delineation monitor well east of the monitor well MW-40.

#### LIMITATIONS

NOVA has prepared this Annual Monitoring Report to the best of its ability. No other warranty, expressed or implied, is made or intended.

NOVA has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. NOVA has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. NOVA has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. NOVA also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Plains. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of NOVA and/or Plains.

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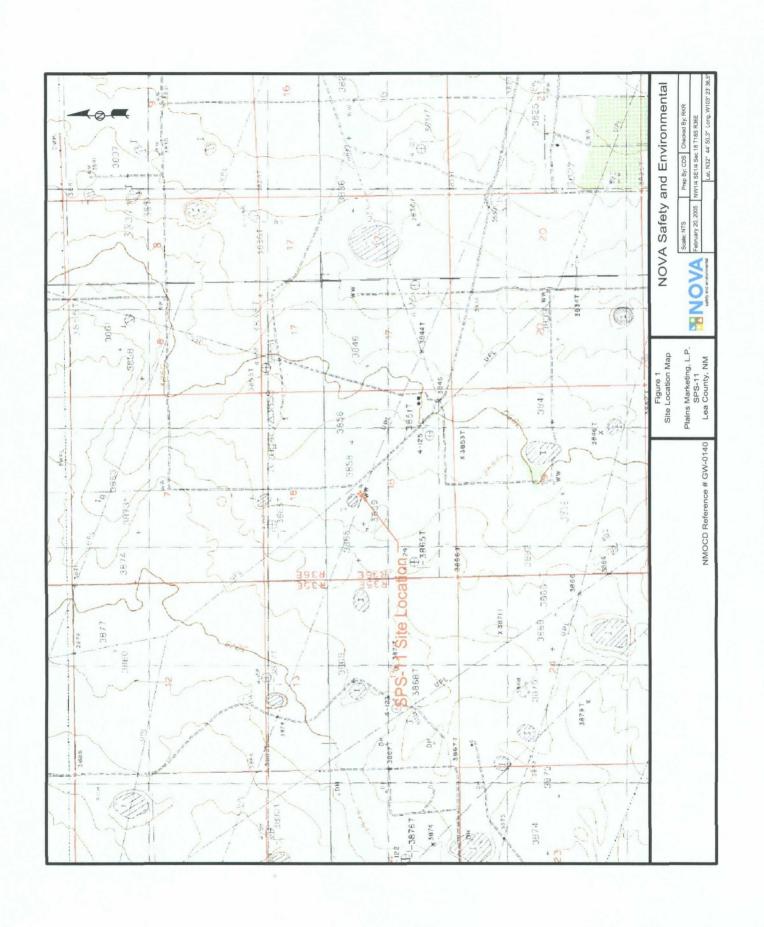
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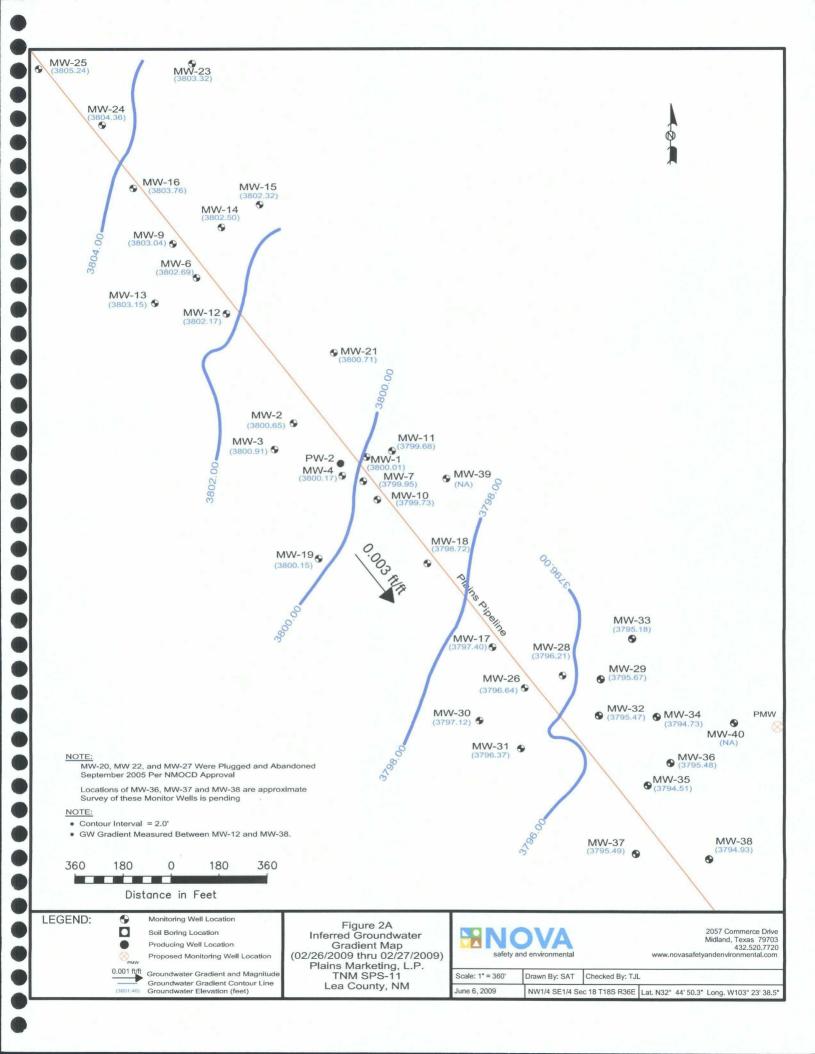
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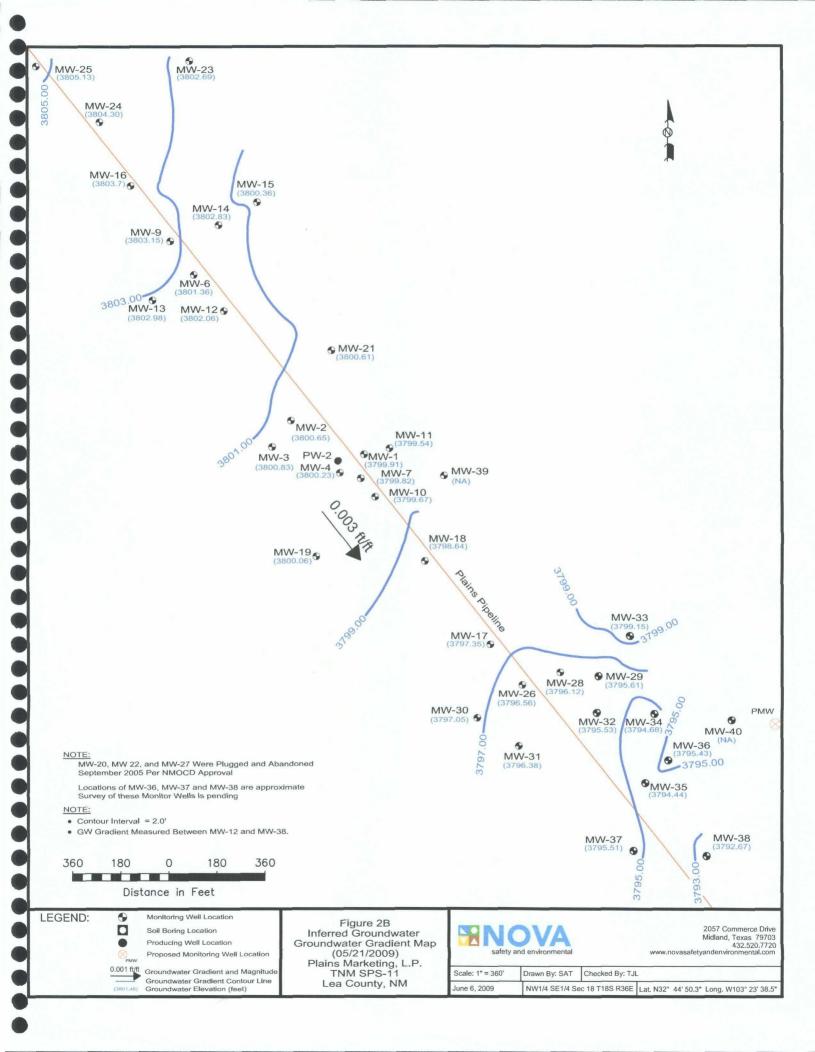
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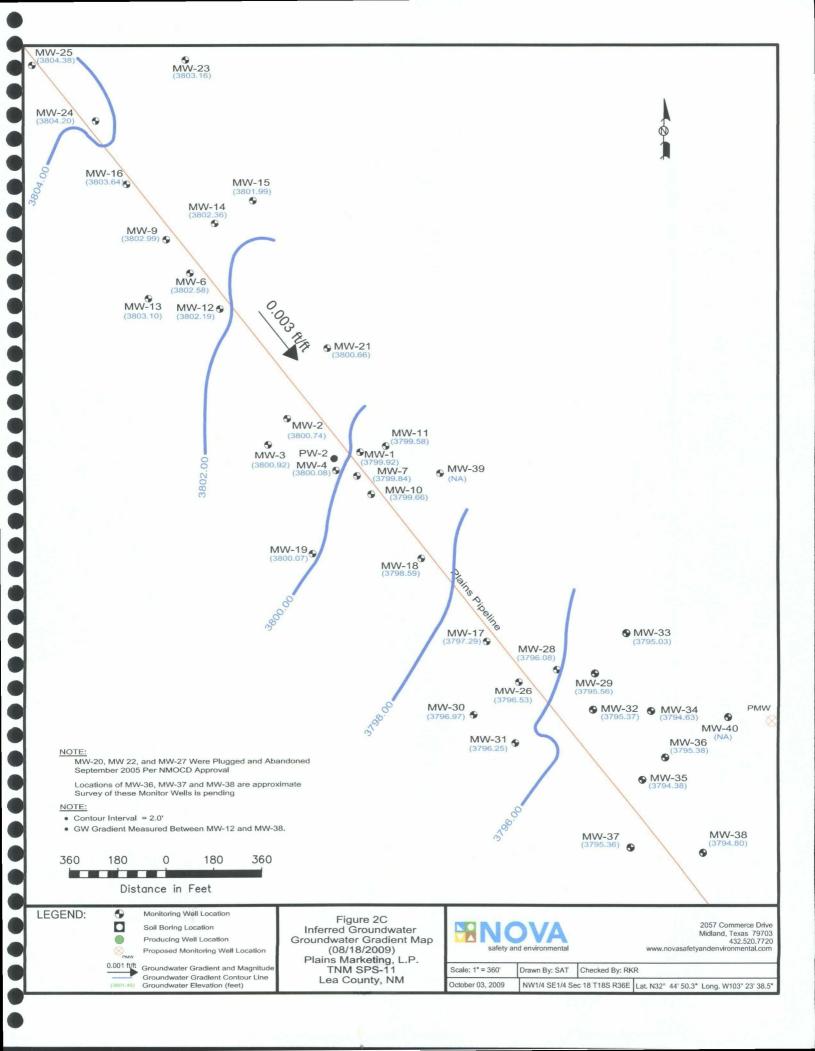
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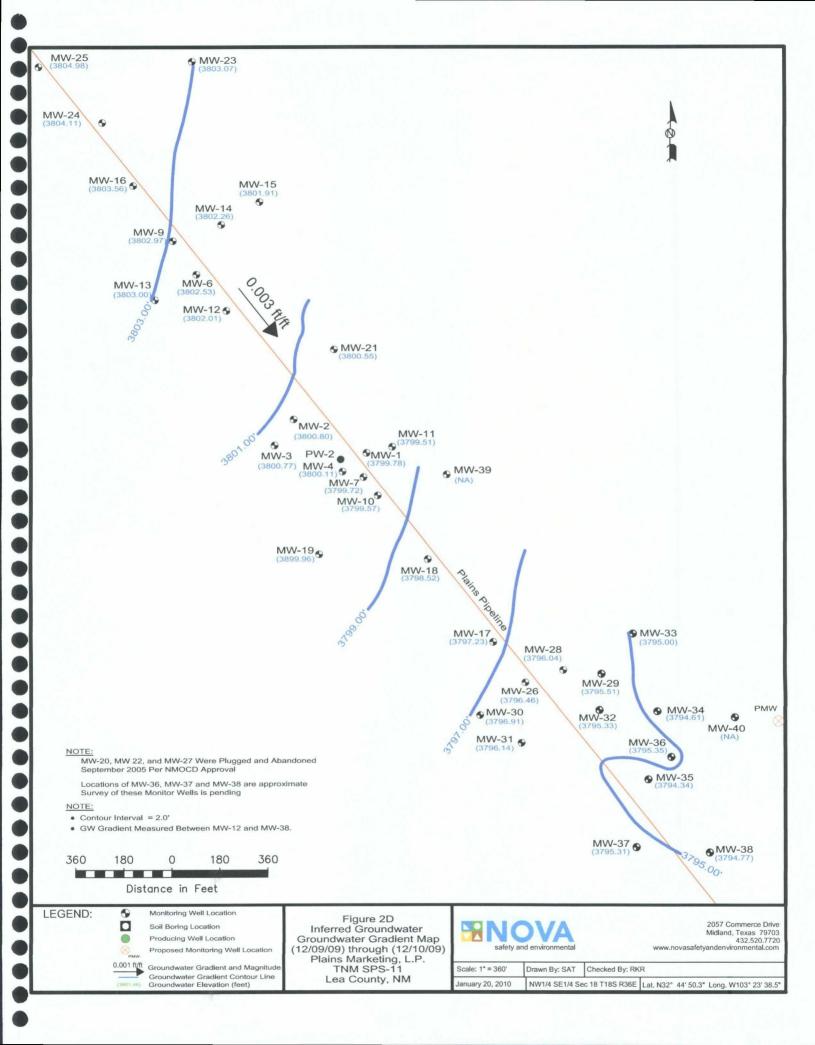
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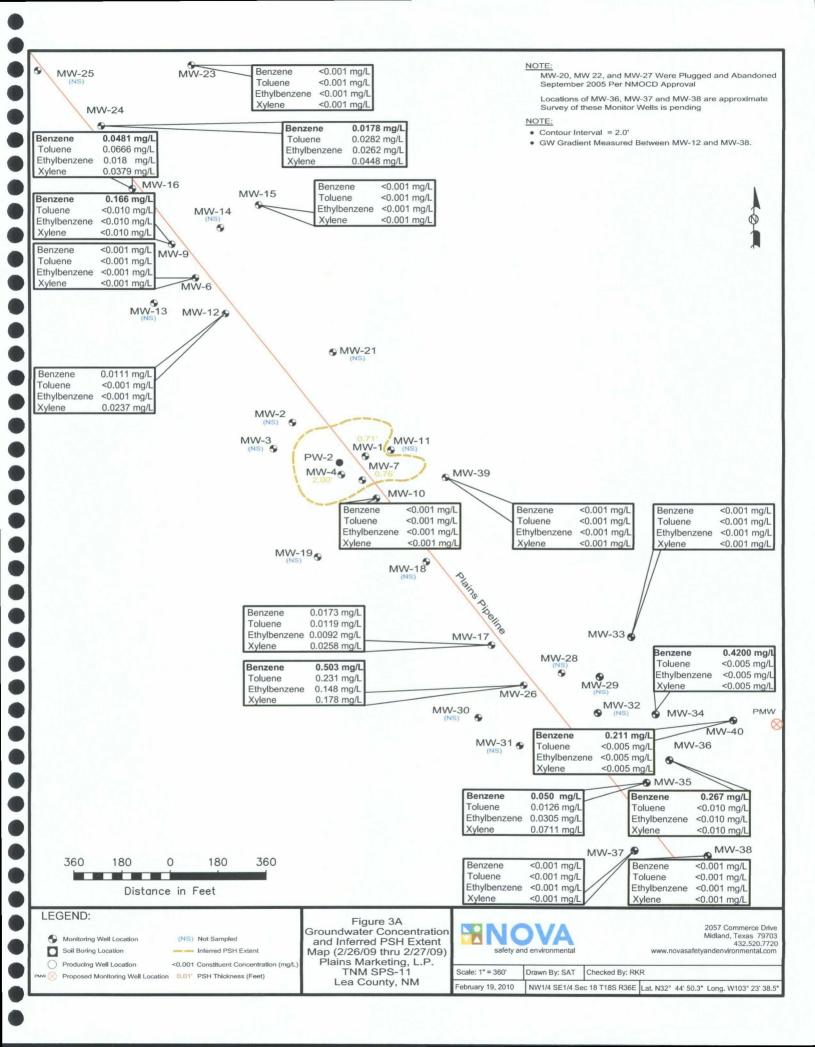


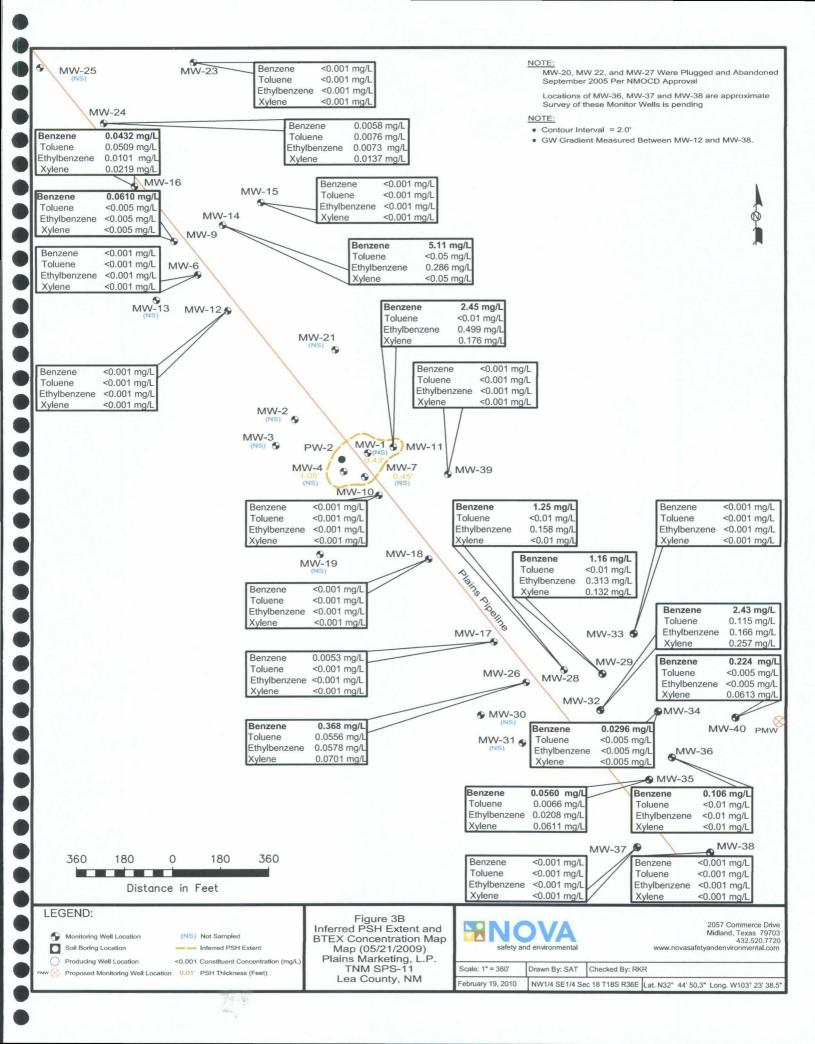


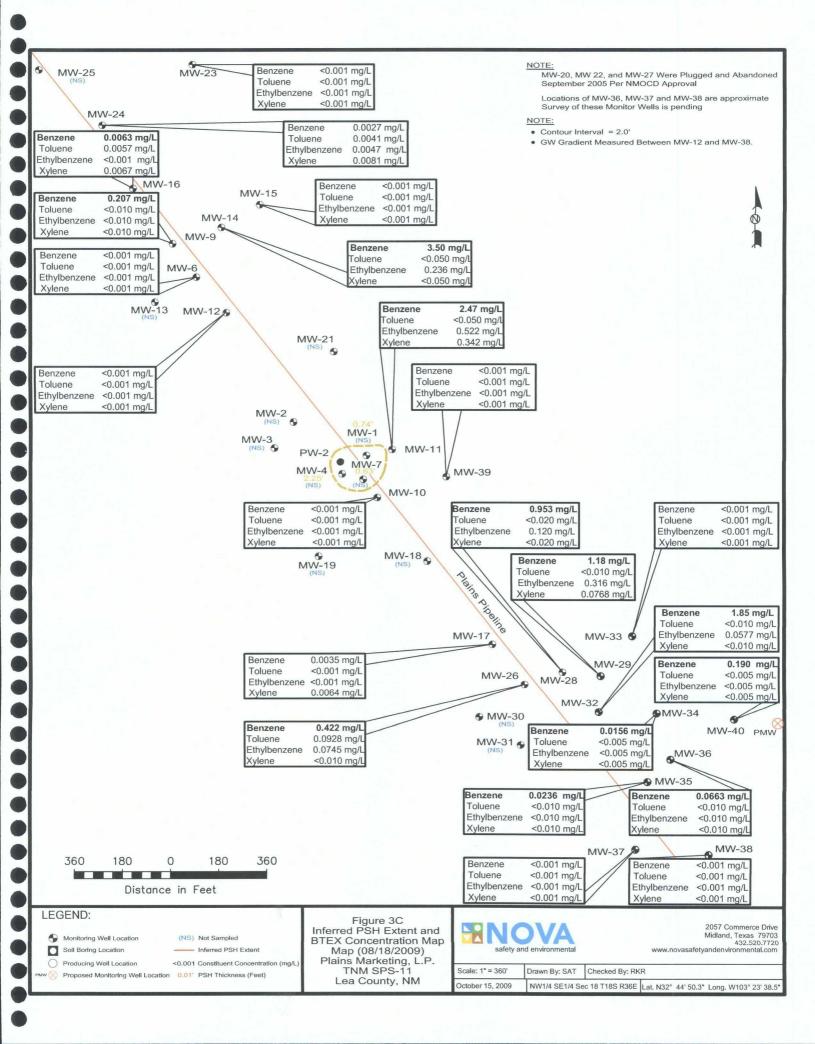


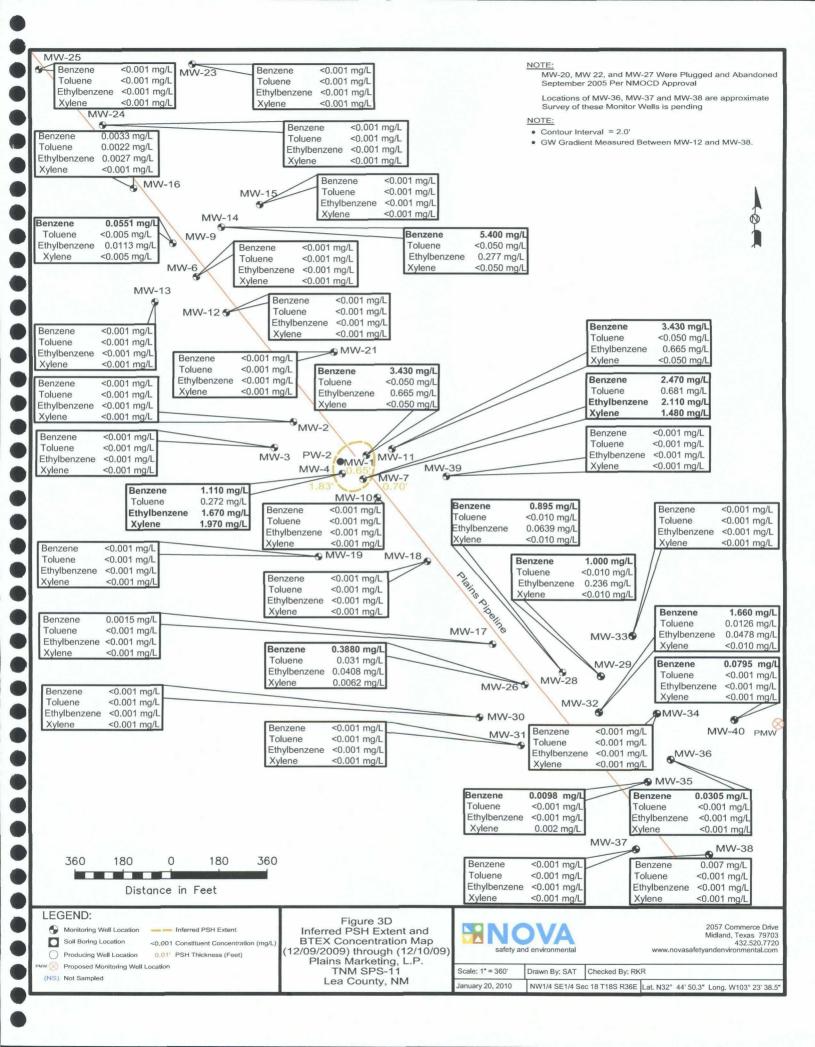












Tables

#### 2009 - GROUNDWATER ELEVATION DATA

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WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 1	01/02/09	3859.08	58.75	60.73	1.98	3800.03
MW - 1	01/08/09	3859.08	58.95	59.66	0.71	3800.02
MW - 1	01/14/09	3859.08	59.02	59.61	0.59	3799.97
MW - 1	02/12/09	3859.08	58.62	60.60	1.98	3800.16
MW - 1	02/19/09	3859.08	58.81	60.81	2.00	3799.97
MW - 1	02/26/09	3859.08	58.96	59.67	0.71	3800.01
MW - 1	03/04/09	3859.08	58.92	60.00	1.08	3800.00
MW - 1	03/16/09	3859.08	59.06	60.04	0.98	3799.87
MW - 1	03/19/09	3859.08	58.85	60.57	1.72	3799.97
MW - 1	03/24/09	3859.08	58.82	60.79	1.97	3799.96
MW - 1	04/08/09	3859.08	59.05	60.06	1.01	3799.88
MW - 1	04/15/09	3859.08	58.89	60.47	1.58	3799.95
MW - 1	04/17/09	3859.08	59.04	60.04	1.00	3799.89
MW - 1	04/21/09	3859.08	59.02	60.01	0.99	3799.91
MW - 1	04/29/09	3859.08	58.94	60.24	1.30	3799.95
MW - 1	05/06/09	3859.08	59.03	59.77	0.74	3799.94
MW - 1	05/20/09	3859.08	59.00	60.15	1.15	3799.91
MW - 1	05/22/09	3859.08	59.11	59.54	0.43	3799.91
MW - 1	05/27/09	3859.08	59.02	59.97	0.95	3799.92
MW - 1	06/01/09	3859.08	59.00	60.16	1.16	3799.91
MW - 1	06/09/09	3859.08	59.08	59.81	0.73	3799.89
MW - 1	06/17/09	3859.08	59.02	60.05	1.03	3799.91
MW - 1	06/23/09	3859.08	59.04	60.02	0.98	3799.89
MW - 1	06/30/09	3859.08	58.91	60.62	1.71	3799.91
MW - 1	07/10/09	3859.08	59.02	60.02	0.99	3799.91
MW - 1	07/13/09	3859.08	59.08	59.53	0.45	3799.93
MW - 1	07/17/09	3859.08	59.00	60.01	1.01	3799.93
MW - 1	07/24/09	3859.08	59.01	59.91		3799.93
		3859.08	59.01	59.54	0.90	<del></del>
MW - 1 MW - 1	07/28/09 08/04/09	3859.08	59.00	59.91	0.46 0.91	3799.93 3799.94
MW - 1	08/12/09	3859.08	59.00	59.94	0.91	3799.94
MW - 1	08/18/09	3859.08 3859.08	59.05 59.03	59.79 59.84	0.74	3799.92
MW - 1	08/20/09			59.84	0.81	3799.93
MW - 1 MW - 1	08/26/09	3859.08 3859.08	59.04 59.02	59.86	0.91	3799.90
	09/02/09				0.84	3799.93
MW - 1	09/09/09	3859.08	59.05	59.73	0.68	3799.93
MW - 1	09/14/09	3859.08	59.08	59.63		3799.92
MW - 1	09/21/09	3859.08	59.09	59.69	0.60	3799.90
MW - 1	10/01/09	3859.08	59.06 59.04	59.94	0.88	3799.89
MW - 1	10/08/09	3859.08		59.81		3799.92
MW - 1	10/14/09	3859.08	59.10	59.68	0.58	3799.89
MW - 1	10/21/09	3859.08	59.01	60.53	1.52	3799.84
MW - 1	10/28/09	3859.08	59.08	59.97	0.89	3799.87
MW - 1	10/29/09	3859.08	59.17	59.47	0.30	3799.87
MW - 1	11/04/09	3859.08	59.12	59.70	0.58	3799.87
MW - 1	11/11/09	3859.08	59.15	59.85	0.70	3799.83
MW - 1	11/19/09	3859.08	59.14	59.85	0.71	3799.83
MW - 1	12/02/09	3859.08	59.10	60.25	1.15	3799.81
MW - 1	12/10/09	3859.08	59.20	59.85	0.65	3799.78

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#### 2009 - GROUNDWATER ELEVATION DATA

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 2	02/27/09	3860.76	-	60.11	0.00	3800.65
MW - 2	05/21/09	3860.76	_	60.11	0.00	3800.65
MW - 2	08/18/09	3860.76	-	60.02	0.00	3800.74
MW - 2	12/09/09	3860.76		59.96	0.00	3800.80
MW - 3	02/27/09	3861.15	-	60.24	0.00	3800.91
MW - 3	05/21/09	3861.15	-	60.32	0.00	3800.83
MW - 3	08/18/09	3861.15	-	60.23	0.00	3800.92
MW - 3	12/09/09	3861.15	-	60.38	0.00	3800.77
MW - 4	01/02/09	3859.62	58.92	61.72	2.80	3800.28
MW - 4	01/08/09	3859.62	59.07	60.41	1.34	3800.35
MW - 4	01/14/09	3859.62	59.10	60.09	0.99	3800.37
MW - 4	02/12/09	3859.62	59.23	61.21	1.98	3800.09
MW - 4	02/19/09	3859.62	59.95	61.33	1.38	3799.46
MW - 4	02/26/09	3859.62	59.15	61.15	2.00	3800.17
MW - 4	03/04/09	3859.62	60.00	61.38	1.38	3799.41
MW - 4	03/16/09	3859.62	59.98	61.29	1.31	3799.44
MW - 4	03/19/09	3859.62	58.93	61.52	2.59	3800.30
′MW - 4	03/24/09	3859.62	58.94	61.61	2.67	3800.28
MW - 4	04/08/09	3859.62	59.99	61.30	1.31	3799.43
MW - 4	04/15/09	3859.62	58.96	61.39	2.43	3800.30
MW - 4	04/17/09	3859.62	59.97	61.26	1.29	3799.46
MW - 4	04/21/09	3859.62	59.95	61.23	1.28	3799.48
MW - 4	04/29/09	3859.62	59.00	61.30	2.30	3800.28
MW - 4	05/06/09	3859.62	59.48	61.38	1.90	3799.86
MW - 4	05/20/09	3859.62	59.07	61.17	2.10	3800.24
MW - 4	05/22/09	3859.62	59.23	60.28	1.05	3800.23
MW - 4	05/27/09	3859.62	59.07	61.02	1.95	3800.26
MW - 4	06/01/09	3859.62	59.16	60.59	1.43	3800.25
MW - 4	06/09/09	3859.62	59.36	60.89	1.53	3800.03
MW - 4	06/17/09	3859.62	59.03	61.12	2.09	3800.28
MW - 4	06/23/09	3859.62	59.94	61.26	1.32	3799.48
MW - 4	06/30/09	3859.62	59.06	61.06	2.00	3800,26
MW - 4	07/10/09	3859.62	59.26	61.11	1.85	3800.08
MW - 4	07/13/09	3859.62	59.15	60.26	1.11	3800.30
MW - 4	07/17/09	3859.62	59.27	61.10	1.83	3800.08
MW - 4	07/24/09	3859.62	59.05	60.90	1.85	3800.29
MW - 4	07/28/09	3859.62	59.13	60.32	1.19	3800.31
MW - 4	08/04/09	3859.62	59.03	60.90	1.87	3800.31
MW - 4	08/12/09	3859.62	59.02	60.90	1.88	3800.32
MW - 4	08/18/09	3859.62	59.20	61.45	2.25	3800.08
MW - 4	08/20/09	3859.62	59.00	61.28	2.28	3800.28
MW - 4	08/26/09	3859.62	59.05	61.00	1.95	3800.28
MW - 4	09/02/09	3859.62	59.02	61.10	2.08	3800.29
MW - 4	09/09/09	3859.62	59.10	60.75	1.65	3800.27
MW - 4	09/14/09	3859.62	59.13	60.51	1.38	3800.28
MW - 4	09/21/09	3859.62	59.12	60.69	1.57	3800.26
MW - 4	10/01/09	3859.62	59.10	60.97	1.87	3800.24

#### 2009 - GROUNDWATER ELEVATION DATA

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 4	10/08/09	3859.62	59.39	60.05	0.66	3800.13
MW - 4	10/14/09	3859.62	59.14	60.66	1.52	3800.25
MW - 4	10/21/09	3859.62	59.08	61.45	2.37	3800.18
MW - 4	10/28/09	3859.62	59.12	61.08	1.96	3800.21
MW - 4	10/29/09	3859.62	59.29	60.35	1.06	3800.17
MW - 4	11/04/09	3859.62	59.31	60.25	0.94	3800.17
MW - 4	11/11/09	3859.62	59.19	60.75	1.56	3800.20
MW - 4	11/19/09	3859.62	59.19	60.76	1.57	3800.19
MW - 4	12/02/09	3859.62	59.13	61.25	2.12	3800.17
MW - 4	12/10/09	3859.62	59.24	61.07	1.83	3800.11
MW - 6	02/26/09	3862.47	-	59.78	0.00	3802.69
MW - 6	05/21/09	3862.47	_	61.11	0.00	3801.36
MW - 6	08/18/09	3862.47		59.89	0.00	3802.58
MW - 6	12/09/09	3862.47	_	59.94	0.00	3802.53
11111	12/05/05	3002.17		33.54	0.00	3602,33
MW - 7	01/02/09	3859.31	59.16	60.26	1.10	3799.99
MW - 7	01/08/09	3859.31	59.24	59.78	0.54	3799.99
MW - 7	01/14/09	3859.31	59.34	59.70	0.36	3799.92
MW - 7	02/12/09	3859.31	59.23	60.22	0.99	3799.93
MW - 7	02/12/09	3859.31	59.21	60.30	1.09	3799.94
MW - 7	02/26/09	3859.31	59.25	60.01	0.76	3799.95
MW - 7	03/04/09	3859.31	59.32	60.39	1.07	3799.83
MW - 7	03/16/09	3859.31	59.39	60.43	1.04	3799.83
MW - 7	03/19/09	3859.31	59.22	60.42	1.04	3799.76
MW - 7	03/19/09	3859.31	59.23	60.48	1.25	3799.91
MW - 7	04/08/09	3859.31	59.40	60.41	1.01	3799.76
MW - 7	04/08/09	3859.31	59.28	60.32	1.04	3799.76
MW - 7	04/17/09	3859.31	59.42	60.36	0.94	3799.87
MW - 7	04/17/09	3859.31	59.43	60.34	0.94	3799.73
	04/21/09					
MW - 7		3859.31	59.26	60.56	1.30	3799.86
MW - 7 MW - 7	05/06/09 05/20/09	3859.31 3859.31	59.33 59.33	60.02 60.17	0.69	3799.88
MW - 7	05/22/09	3859.31	59.42	59.87	0.45	3799.85 3799.82
MW - 7	05/27/09	3859.31	59.35	60.10	0.75	3799.85
MW - 7	06/01/09	3859.31	59.40	59.77	0.73	3799.85
MW - 7	06/09/09	3859.31	59.42	59.78	0.36	
MW - 7	06/17/09	3859.31	59.42	59.73	0.30	3799.84
MW - 7	06/17/09	3859.31	59.43	60.39	0.32	3799.85 3799.74
MW - 7	06/30/09	3859.31	59.40	59.77	0.37	3799.85
MW - 7	07/10/09	3859.31	59.35	59.77	0.60	3799.87
MW - 7	07/13/09	3859.31	59.36	59.79	0.43	3799.89
MW - 7	07/17/09	3859.31	59.37	59.94	0.43	3799.85
MW - 7	07/17/09	3859.31	59.34	60.01	0.67	3799.87
MW - 7	07/24/09	3859.31	59.37	59.73		
			59.37	59.73	0.36	3799.89
MW - 7	08/04/09	3859.31			0.50	3799.92
MW - 7	08/12/09	3859.31	59.36	60.00	0.64	3799.85
MW - 7	08/18/09	3859.31	59.38	60.01	0.63	3799.84
MW - 7	08/20/09	3859.31	59.35	60.04	0.69	3799.86

#### 2009 - GROUNDWATER ELEVATION DATA

## PLAINS MARKETING, L.P. SPS - 11 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0140

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 7	08/26/09	3859.31	59.35 <sup>-</sup>	60.08	0.73	3799.85
MW - 7	09/02/09	3859.31	59.35	60.04	0.69	3799.86
MW - 7	09/09/09	3859.31	59.40	59.78	0.38	3799.85
MW - 7	09/14/09	3859.31	59.39	59.79	0.40	3799.86
MW - 7	09/21/09	3859.31	59.40	59.90	0.50	3799.84
MW - 7	10/01/09	3859.31	59.38	60.07	0.69	3799.83
MW - 7	10/08/09	3859.31	59.42	59.78	0.36	3799.84
MW - 7	10/14/09	3859.31	59.42	59.89	0.47	3799.82
MW - 7	10/21/09	3859.31	59.42	60.05	0.63	3799.80
MW - 7	10/28/09	3859.31	59.41	59.99	0.58	3799.81
MW - 7	10/29/09	3859.31	59.46	59.87	0.41	3799.79
MW - 7	11/04/09	3859.31	59.45	59.90	0.45	3799.79
MW - 7	11/11/09	3859.31	58.45	59.96	1.51	3800.63
MW - 7	11/19/09	3859.31	59.45	59.99	0.54	3799.78
MW - 7	12/02/09	3859.31	59.47	60.16	0.69	3799.74
MW - 7	12/10/09	3859.31	59.49	60.19	0.70	3799.72
171	12/10/05	3007.51	33.13	00.15	0.70	3773772
MW - 9	02/26/09	3861.88	-	58.84	0.00	3803.04
MW - 9	05/22/09	3861.88	_	58.73	0.00	3803.15
MW - 9	08/18/09	3861.88	-	58.89	0.00	3802.99
MW - 9	12/10/09	3861.88		58.91	0.00	3802.97
10100 - 3	12/10/07	3601.66	_	30.51	0.00	3002.51
MW - 10	02/26/09	3860.58	-	60.85	0.00	3799.73
MW - 10	05/21/09	3860.58		60.91	0.00	3799.67
MW - 10	08/18/09	3860.58		60.92	0.00	3799.66
MW - 10	12/09/09	3860.58		61.01	0.00	3799.57
IVI W - 10	12/09/09	3600.36	-	01.01	0.00	3199.31
MW - 11	02/26/09	3860.00		60.32	0.00	3799.68
				60.46	0.00	3799.54
MW - 11	05/22/09	3860.00			0.00	3799.58
MW - 11	08/18/09	3860.00	-	60.42		
MW - 11	12/10/09	3860.00	-	60.49	0.00	3799.51
NOV 10	02/26/00	29/2 10		(0.02	0.00	3802.17
MW - 12	02/26/09	3863.10	-	60.93	0.00	
MW - 12	05/21/09	3863.10	-	61.04	0.00	3802.06
MW - 12	08/18/09	3863.10	-	60.91	0.00	3802.19
MW - 12	12/09/09	3863.10	-	61.09	0.00	3802.01
MU 12	02/27/00	2962.44		50.20	0.00	2002.15
MW - 13	02/27/09	3862.44	-	59.29	0.00	3803.15
MW - 13	05/21/09	3862.44		59.46	0.00	3802.98
MW - 13	08/18/09	3862.44	-	59.34	0.00	3803.10
MW - 13	12/09/09	3862.44	-	59.44	0.00	3803.00
) 5U 14	01/02/00	20/2.05		CO 41	0.00	2002.54
MW - 14	01/02/09	3862.95		60.41	0.00	3802.54
MW - 14	01/08/09	3862.95	<del>-</del>	57.23	0.00	3805.72
MW - 14	02/12/09	3862.95	-	60.44	0.00	3802.51
MW - 14	02/19/09	3862.95	-	60.46	0.00	3802.49
MW - 14	02/26/09	3862.95	-	60.45	0.00	3802.50
MW - 14	03/04/09	3862.95	-	60.57	0.00	3802.38
MW - 14	03/16/09	3862.95	<b>-</b> :	60.60	0.00	3802.35
MW - 14	03/19/09	3862.95	-	60.63	0.00	3802.32

#### 2009 - GROUNDWATER ELEVATION DATA

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 14	03/24/09	3862.95	-	60.53	0.00	3802.42
MW - 14	04/08/09	3862.95	-	60.62	0.00	3802.33
MW - 14	04/15/09	3862.95	-	60.51	0.00	3802.44
MW - 14	04/17/09	3862.95	-	60.58	0.00	3802.37
MW - 14	04/21/09	3862.95	-	60.56	0.00	3802.39
MW - 14	04/29/09	3862.95	-	60.54	0.00	3802.41
MW - 14	05/06/09	3862.95	-	60.54	0.00	3802.41
MW - 14	05/22/09	3862.95	-	60.62	0.00	3802.33
MW - 14	06/01/09	3862.95	<b>-</b> ·	60.56	0.00	3802.39
MW - 14	06/09/09	3862.95	<u>-</u>	60.62	0.00	3802.33
MW - 14	06/23/09	3862.95		60.56	0.00	3802.39
MW - 14	06/30/09	3862.95	-	60.59	0.00	3802.36
MW - 14	07/10/09	3862.95	-	60.53	0.00	3802.42
MW - 14	07/17/09	3862.95	-	60.52	0.00	3802.43
MW - 14	07/24/09	3862.95	-	60.54	0.00	3802.41
MW - 14	08/04/09	3862.95	-	60.52	0.00	3802.43
MW - 14	08/18/09	3862.95		60.59	0.00	3802.36
MW - 14	08/26/09	3862.95	-	62.50	0.00	3800.45
MW - 14	10/08/09	3862.95		60.52	0.00	3802.43
MW - 14	12/10/09	3862.95	-	60.69	0.00	3802.26
MW - 15	02/26/09	3861.70	-	59.38	0.00	3802.32
MW - 15	05/21/09	3861.70	-	61.34	0.00	3800.36
MW - 15	08/18/09	3861.70	-	59.71	0.00	3801,99
MW - 15	12/09/09	3861.70	-	59.79	0.00	3801.91
MW - 16	02/26/09	3863.15	-	59.39	0.00	3803.76
MW - 16	05/21/09	3863.15	-	59.48	0.00	3803.67
MW - 16	08/18/09	3863.15	_	59.51	0.00	3803.64
MW - 16	12/10/09	3863.15		59.59	0.00	3803.56
MW - 17	02/26/09	3859.17	-	61.77	0.00	3797.40
MW - 17	05/21/09	3859.17	-	61.82	0.00	3797.35
MW - 17	08/18/09	3859.17	-	61.88	0.00	3797.29
MW - 17	12/10/09	3859.17	-	61.94	0.00	3797.23
MW - 18	02/27/09	3859.98	_	61.26	0.00	3798.72
MW - 18	05/21/09	3859.98		61.34	0.00	3798.64
MW - 18	08/18/09	3859.98	-	61.39	0.00	3798.59
MW - 18	12/09/09	3859.98	-	61.46	0.00	3798.52
MW - 19	02/27/09	3862.30		62.15	0.00	3800.15
MW - 19	05/21/09	3862.30	-	62.24	0.00	3800.06
MW - 19	08/18/09	3862.30	-	62.23	0.00	3800.07
MW - 19	12/09/09	3862.30	-	62.34	0.00	3799.96
MW - 21	02/27/09	3862.30	-	61.59	0.00	3800.71
MW - 21	05/21/09	3862.30	-	61.69	0.00	3800.61
MW - 21	08/18/09	3862.30		61.64	0.00	3800.66
MW - 21	12/09/09	3862.30	-	61.75	0.00	3800.55

#### 2009 - GROUNDWATER ELEVATION DATA

### PLAINS MARKETING, L.P. SPS - 11 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0140

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW - 23	02/26/09	3862.44	-	59.12	0.00	3803.32
MW - 23	05/21/09	3862.44	-	59.75	0.00	3802.69
MW - 23	08/18/09	3862.44	-	59.28	0.00	3803.16
MW - 23	12/09/09	3862.44	-	59.37	0.00	3803.07
MW - 24	02/26/09	3864.36	-	60.00	0.00	3804.36
MW - 24	05/21/09	3864.36	-	60.06	0.00	3804.30
MW - 24	08/18/09	3864.36		60.16	0.00	3804.20
MW - 24	12/09/09	3864.36	-	60.25	0.00	3804.11
MW - 25	02/27/09	3864.16	-	58.92	0.00	3805.24
MW - 25	05/21/09	3864.16	-	59.03	0.00	3805.13
MW - 25	08/18/09	3864.16		59.78	0.00	3804.38
MW - 25	12/09/09	3864.16	_	59.18	0.00	3804.98
14144 - 23	12/05/05	3004.10		32.10	0.00	3004.70
MW - 26	02/27/09	3858.79	_	62.15	0.00	3796.64
MW - 26	05/22/09	3858.79		62.23	0.00	3796.56
MW - 26	08/18/09	3858.79	_	62.26	0.00	3796.53
MW - 26	12/10/09	3858.79	-	62.33	0.00	3796.46
101 00 - 20	12/10/09	3636.17	_	02.55	0.00	3770.40
MW - 28	02/26/09	3858.60		62.39	0.00	3796.21
MW - 28	05/22/09	3858.60	<del></del>	62.48	0.00	3796.12
MW - 28	08/18/09	3858.60		62.52	0.00	3796.08
MW - 28	12/10/09	3858.60		62.56	0.00	3796.04
1V1 VV - 20	12/10/09	3636.00	-	02.30	0.00	3170.04
MW - 29	02/27/09	3858.54		62.87	0.00	3795.67
MW - 29		3858.54	-	62.93	0.00	
MW - 29	05/22/09	3858.54		62.98	0.00	3795.61
MW - 29	08/18/09		-	63.03	0.00	3795.56
IVI W - 29	12/10/09	3858.54	-	03.03	0.00	3795.51
MU 20	02/27/00	2050.25		(1.22	0.00	2707.10
MW - 30	02/27/09	3858.35	-	61.23	0.00	3797.12
MW - 30	05/21/09	3858.35 3858.35		61.30	0.00	3797.05 3796.97
MW - 30 MW - 30	08/18/09	3858.35	-	61.38 61.44	0.00	3796.97
WW - 30	12/09/09	3030.33	-	01.44	0.00	3/90.91
MW - 31	02/27/09	3858.52		62.15	0.00	3796.37
3.577					0.00	
MW - 31 MW - 31	05/21/09 08/18/09	3858.52 3858.52		62.14	0.00	3796.38 3796.25
MW - 31	12/09/09	3858.52		62.38	0.00	3796.23
WW - 31	12/09/09	36.54	-	02.38	0.00	3790.14
MW 22	02/26/00	3858.07		62.60	0.00	2705 47
MW-32	02/26/09		<del></del>	62.60 62.54	0.00	3795.47
MW-32	05/22/09	3858.07	-	62.70	0.00	3795.53
MW-32	08/18/09 12/10/09	3858.07		62.74	0.00	3795.37
MW-32	12/10/09	3858.07	-	02.74	0.00	3795.33
MW 22	02/26/00	2050 26		63.23	0.00	2705 12
MW-33	02/26/09	3858.36			0.00	3795.13
MW-33	05/21/09	3858.36	-	59.21	0.00	3799.15
MW-33	08/18/09	3858.36	-	63.33	0.00	3795.03
MW-33	12/09/09	3858.36	-	63.36	0.00	3795.00

#### TABLE 1

#### 2009 - GROUNDWATER ELEVATION DATA

### PLAINS MARKETING, L.P. SPS - 11 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0140

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
MW-34	02/27/09	3857.91	-	63.18	0.00	3794.73
MW-34	05/22/09	3857.91	-	63.23	0.00	3794.68
MW-34	08/18/09	3857.91	-	63.28	0.00	3794.63
MW-34	12/10/09	3857.91	-	63.30	0.00	3794.61
MW-35	02/26/09	3857.16	-	62.65	0.00	3794.51
MW-35	05/22/09	3857.16	_	62.72	0.00	3794.44
MW-35	08/18/09	3857.16	-	62.78	0.00	3794.38
MW-35	12/10/09	3857.16	-	62.82	0.00	3794.34
MW-36	02/27/09	3858.80	_	63.32	0.00	3795.48
MW-36	05/22/09	3858.80	-	63.37	0.00	3795.43
MW-36	08/18/09	3858.80	-	63.42	0.00	3795.38
MW-36	12/10/09	3858.80	•	63.45	0.00	3795.35
MW-37	02/26/09	3857.69	-	62.20	0.00	3795.49
MW-37	05/21/09	3857.69	-	62.18	0.00	3795.51
MW-37	08/18/09	3857.69	-	62.33	0.00	3795.36
MW-37	12/09/09	3857.69	_	62.38	0.00	3795.31
MW-38	02/26/09	3855.95	-	61.02	0.00	3794.93
MW-38	05/21/09	3855.95	-	63.28	0.00	3792.67
MW-38	08/18/09	3855.95	-	61.15	0.00	3794.80
MW-38	12/09/09	3855.95	-	61.18	0.00	3794.77
MW-39	02/26/09		-	61.89	0.00	
MW-39	05/21/09		-	61.95	0.00	
MW-39	08/18/09		-	61.95	0.00	
MW-39	12/09/09			62.02	0.00	
MW-40	02/27/09		-	63.94	0.00	
MW-40	05/22/09		-	63.99	0.00	
MW-40	08/18/09		-	64.05	0.00	
MW-40	12/10/09		-	64.08	0.00	
PW-2	01/02/09		57.20	57.26	0.06	
PW-2	01/08/09		52.17	52.23	0.06	
PW-2	02/19/09		57.16	57.35	0.19	
PW-2	03/04/09		57.26	57.39	0.13	
PW-2	03/16/09		57.28	57.42	0.14	
PW-2 PW-2	03/16/09		57.19	57.23	0.14	
				57.56	0.38	
PW-2	03/24/09		57.18 57.30		0.38	
PW-2	04/08/09		57.30	57.41	-	
PW-2	04/17/09		57.28	57.41	0.13	
PW-2	04/21/09		57.27	57.40	0.13	
PW-2	04/29/09		57.20	57.34	0.14	

#### TABLE 1

#### 2009 - GROUNDWATER ELEVATION DATA

### PLAINS MARKETING, L.P. SPS - 11 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0140

WELL NUMBER	DATE MEASURED	CASING WELL ELEVATION	DEPTH TO PRODUCT	DEPTH TO WATER	PSH THICKNESS	CORRECTED GROUND WATER ELEVATION
PW-2	05/06/09		57.22	57.44	0.22	
PW-2	05/27/09		57.28	57.30	0.02	
PW-2	06/01/09		57.28	57.34	0.06	
PW-2	06/17/09		57.29	57.34	0.05	
PW-2	06/23/09		57.26	57.43	0.17	
PW-2	06/30/09		57.28	57.34	0.06	
PW-2	07/13/09		57.21	57.29	0.08	
PW-2	09/09/09		57.20	57.49	0.29	
PW-2	10/01/09		57.29	59.42	2.13	

<sup>\*</sup> Complete Historical data Tables are presented on the attached CD.

#### PLAINS MARKETING, L.P. **TNM - SPS 11**

#### LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0140

			All concentrations	are reported in i	mg/L			
		SW 846-8015	M GRO/DRO		<del>,</del>	SW 846-8260b		
SAMPLE LOCATION	SAMPLE DATE	GRO C <sub>6</sub> -C <sub>12</sub> mg/L	DRO >C <sub>12</sub> -C35 mg/L	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REC				0.0100	0.75	0.75	0.0	62
MW - 1	02/26/09			Not Sampled	Due to PSH i	n Well		
MW - 1	05/22/09				Due to PSH i			
MW - 1	08/18/09				Due to PSH i			
MW - 1	12/10/09	16.6	40.3	2.690	0.578	1.28	1.3	26
			A. C.					
MW - 2	02/26/09	**************************************	SERVICE CONTRACTOR OF THE PROPERTY OF THE PROP		on Current Sa			547,386.4
MW - 2	05/22/09				on Current Sa			
MW - 2	08/18/09				on Current Sa			
MW - 2	12/09/09			< 0.001	< 0.001	<0.001	<0.0	001
			S. Den J. British and Sansan	and a second				
MW - 3	02/26/09	1 to 10 60 888 28 4 ( ) \$1 12 15 15 15 15 15 15 15 15 15 15 15 15 15	Management 1, 8475 - 1562/1- 712 3		on Current Sa			75 4 . NO. 1986 F
MW - 3	05/22/09				on Current Sa			
MW - 3	08/18/09			L	on Current Sa			<del></del>
MW - 3	12/09/09			< 0.001	<0.001	< 0.001	<0.0	001
MW - 4	02/26/09	AMADESC, A DAMABUTE (S.	\$#####################################		Due to PSH i			
MW - 4	05/22/09				Due to PSH i			
MW - 4	08/18/09				Due to PSH i			
MW - 4	12/10/09	20.0	260.0	1.110	0.272	1.670	1.9	70
	(2.290	20.0	Carriaga A		0.272	Language Vassing		
MW - 6	02/26/09	254-27-54-34-34-34-34-34-34-34-34-34-34-34-34-34	のの高級機能 ( )、SiltauFax * Ca	< 0.001	< 0.001	< 0.001	<0.0	
MW - 6	05/21/09			< 0.001	< 0.001	< 0.001	<0.0	
MW - 6	08/18/09			< 0.001	<0.001	< 0.001	<0.0	
MW - 6	12/09/09			<0.001	<0.001	< 0.001	<0.0	
Survey San		sound and the second substitutes		NO.001		TOTAL STATE		
MW - 7	02/26/09		A.1869	Not Sampled	Due to PSH i		1 m A . or of Life (Sept. Sept. or other control of CV)	March Company
MW - 7	05/22/09				Due to PSH i			
MW - 7	08/18/09				Due to PSH i			
MW - 7	12/10/09	20.4	153.0	2.470	0.681	2.110	1.4	80
	panipal appropriate	The little of th			0.001	S. Africa Color De la Color De	an charged and to	- 1
MW - 9	02/27/09	especial Half of the transfer of the second	AND THE PERSON AND ADDRESS OF THE AD	0.1660	< 0.010	< 0.010	<0.0	
MW - 9	05/22/09			0.0610	< 0.005	< 0.005	<0.0	
MW - 9	08/18/09			0.2070	< 0.010	< 0.010	<0.0	
MW - 9	12/10/09			0.0551	< 0.005	0.0113	<0.0	
A Section 4			Jan da jar ja	0.0331	-0.003	200	Marina di Africa	
MW - 10	02/26/09	AND THE STREET, AND THE STREET	seema we trik (FRES) i fisiki	<0.001	< 0.001	<0.001	<0.0	
MW - 10	05/21/09			< 0.001	< 0.001	<0.001	<0.0	
MW - 10	08/18/09			< 0.001	<0.001	<0.001	<0.0	
MW - 10	12/09/09			<0.001	<0.001	<0.001	<0.0	
W - IV	12/0/10/	a little of the state of the st	A Shirth a Billion Shirth and S	Water of realization of the same	70.001	V.001		

#### PLAINS MARKETING, L.P. TNM - SPS 11

#### LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0140

All concentrations are reported in mg/L

		SW 846-8015	All concentrations  M GRO/DRO	are reported in i	ng/L	SW 846-8260b		·····
SAMPLE	SAMPLE	GRO	DRO		I	544 640-6200B	I	
LOCATION	DATE	1		DENZENIE	TO HENE	ETHYL-	m, p -	0 -
LOCATION	DAIL	C <sub>6</sub> -C <sub>12</sub>	>C <sub>12</sub> -C35	BENZENE	TOLUENE	BENZENE	XYLENES	XYLENE
		mg/L	mg/L					
NMOCD REC	GULATORY			0.0100	0.75	0.75	0.0	<b>:</b>
LIM	IT			0.0100	0.75	0.75	j	)2
MW - 11	02/26/09			Well Not San	nnled			
MW - 11	05/22/09			2.450	<0.001	0.499	0.1	76
MW - 11	08/18/09			2.470	< 0.050	0.522	0.3	
MW - 11	12/10/09			3.430	< 0.050	0.665	<0.0	
1 <b>111V</b> - 11	12/10/09	The set is the control of the contro	The state of the s	3.430	10.000 Marsin 1	0.003	Niger	
MW - 12	02/27/09	FAMILY AND THE TOTAL PROPERTY.	more a la la la de destal a la manda est	0.0111	< 0.001	< 0.001	0.02	W
MW - 12	05/21/09			<0.001	<0.001	< 0.001	<0.0	
MW - 12	08/18/09			<0.001	< 0.001	< 0.001	<0.0	
MW - 12	12/09/09		•	<0.001	<0.001	< 0.001	<0.0	
	12/05/05	- 100		.0.001	71.74 V. V.	10.001	Tank Calman de grands	701 
MW - 13	02/26/09		Billian State of the Party of the State of t	Not Sampled	on Current Sa			Control to Mark State Control
MW - 13	05/21/09				on Current Sa			
MW - 13	08/18/09				on Current Sa			
MW - 13	12/09/09			<0.001	<0.001	< 0.001	<0.0	001
					control for full time for the	a project of the second of the	rawaya wa wa	
MW - 14	02/26/09	SPECIAL CHARGE CONTRACTOR	Parallel Committee of the Committee of t	Well Not San			N. 8. 18. 18. 18. 18. 18. 18. 18. 18. 18.	THE THE PERSON OF THE PERSON O
MW - 14	05/22/09			5.110	<0.005	0.286	<0.0	005
MW - 14	08/18/09			3.500	< 0.050	0.236	<0.0	
MW - 14	12/10/09			5.400	< 0.050	0.277	<0.0	
Salah Cara	Sit Alexander			grad Bergapay	and the second	Carrier House State Control		
MW - 15	02/26/09	11		< 0.001	< 0.001	< 0.001	<0.0	
MW - 15	05/21/09		-	< 0.001	< 0.001	< 0.001	<0.0	001
MW - 15	08/18/09			< 0.001	< 0.001	< 0.001	<0.0	001
MW - 15	12/09/09			< 0.001	< 0.001	< 0.001	<0.0	001
			for Silve West State	- 10 mg		Banka jin Colling		algress on analytica a so a
MW - 16	02/27/09			0.0481	0.0666	0.018	0.03	379
MW - 16	05/21/09			0.0432	0.0509	0.0101	0.02	219
MW - 16	08/18/09			0.0063	0.0057	< 0.001	0.00	
MW - 16	12/10/09			0.0033	0.0022	0.0027	<0.0	
					C I I I		A wooding to the San	
MW - 17	02/26/09			0.0173	0.0119	0.0092	0.02	
MW - 17	05/21/09			0.0053	<0.001	< 0.001	<0.0	
MW - 17	08/18/09			0.0035	< 0.001	<0.001	0.00	
MW - 17	12/10/09	No. accessors and access to the control of the cont	Section of the sectio	0.0015	< 0.001	< 0.001	<0.0	
		and the second s	DETERMINATION OF THE PARTY OF T	First bullet	10 10 May 1 1 10		parada si anna fin	ing the graph principle pro-
MW - 18	02/26/09			<del></del>	on Current Sa			
MW - 18	05/21/09			<0.001	<0.001	<0.001	<0.0	001
MW - 18	08/18/09				on Current Sa			
MW - 18	12/09/09	N, 16, AMERICAN PROPERTY OF PARTY AND ASSESSMENT OF PARTY ASSESSME	1 C 2000 (100 (100 (100 (100 (100 (100 (100	< 0.001	< 0.001	< 0.001	<0.0	
	an action was all a series	ell spine 1000				printer and administration	ing all the control of the control o	an ar armatistic and a few age

#### PLAINS MARKETING, L.P. **TNM - SPS 11**

#### LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0140

		SW 846-8015	All concentrations M GRO/DRO	ure reported in	mg/L	SW 846-8260b	· <del></del>	<del></del>
SAMPLE LOCATION	SAMPLE DATE	GRO C <sub>6</sub> -C <sub>12</sub> mg/L	DRO >C <sub>12</sub> -C35 mg/L	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REC				0.0100	0.75	0.75	0.0	62
MW - 19	02/26/09			Not Sampled	on Current Sa	ample Schedu	le	
MW - 19	05/21/09			Not Sampled	on Current Sa	ample Schedu	le	
MW - 19	08/18/09			Not Sampled	on Current Sa	ample Schedu	le	
MW - 19	12/09/09			< 0.001	< 0.001	< 0.001	<0.0	
Sential Control of the Control of th		A STATE OF THE STA	Total Base	mindle managed the minds of a		e mudium		Same Same
MW - 21	02/26/09			Not Sampled	on Current Sa	ample Schedu	le	
MW - 21	05/21/09			Not Sampled	on Current Sa	ample Schedu	le	
MW - 21	08/18/09			Not Sampled	on Current Sa	ample Schedu	le	
MW - 21	12/09/09			< 0.001	< 0.001	< 0.001	<0.0	001
		100		Thornes and the second		A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K CO PARTY	The secretary distance
MW - 23	02/26/09			< 0.001	< 0.001	< 0.001	<0.0	001
MW - 23	05/21/09			< 0.001	< 0.001	< 0.001	<0.0	001
MW - 23	08/18/09			< 0.001	< 0.001	< 0.001	<0.0	001
MW - 23	12/09/09			< 0.001	< 0.001	< 0.001	<0.0	001
			ilida da esta esta esta esta esta esta esta est		- Hamber	Martin St. Landschaft	horacide the same	Amai ( Salahagara) ( c 1977 — Salahagara)
MW - 24	02/26/09			0.0178	0.0282	0.0262	0.04	448
MW - 24	05/21/09			0.0058	0.0076	0.0073	0.0	137
MW - 24	08/18/09			0.0027	0.0041	0.0047	0.00	081
MW - 24	12/09/09			< 0.001	< 0.001	< 0.001	<0.0	001
100 M.A.		Assemble and Aller (1997)	The List of State and	Signal dille	este <b>A</b> -8200			La sile
MW - 25	02/26/09			Not Sampled	on Current Sa	ample Schedu	le	
MW - 25	05/21/09			Not Sampled	on Current Sa	ample Schedu	le	
MW - 25	08/18/09			Not Sampled	on Current Sa	imple Schedu	le	
MW - 25	12/09/09			< 0.001	< 0.001	< 0.001	<0.0	001
4.0				griffer og med afterspellfer om e	Historia — policini		n. was to the second of the se	
MW - 26	02/27/09			0.5030	0.231	0.148	0.1	78
MW - 26	05/22/09			0.3680	0.0556	0.0579	0.0	701
MW - 26	08/18/09			0.4220	0.0928	0.0745	<0.0	010
MW - 26	12/10/09			0.3880	0.031	0.0408	0.00	
and the second second	Company of selection and the selection of the selection o	2000	Million of Parketines of Million Jelli	in the same to the same than	Tours des seminates adjournes.	and a glaman and g	Managara ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	ninger of the second of the se
MW - 28	02/27/09			Well Not Sar				
MW - 28	05/22/09			1.2500	< 0.001	0.158	<0.0	
MW - 28	08/18/09			0.9530	< 0.020	0.12	< 0.0	
MW - 28	12/10/09			0.8950	< 0.010	0.0639	<0.0	
	Ballion Control	Alexander (1995)	and also manufactured as	4.0	The section of the section of			The second second second
MW - 29	02/27/09			Well Not Sar				•
MW - 29	05/22/09			1.160	< 0.001	0.313	0.1	32
MW - 29	08/18/09			1.180	< 0.010	0.316	0.0	768
MW - 29	12/10/09			1.000	< 0.010	0.236	<0.0	
or Asiana and Asiana and Asiana	4 (1992) AUSTRIAN	900 WA		in the same the same of the sa	推翻的 200 L 200 G	To Name 2	The said of the sa	Arr Gara

#### PLAINS MARKETING, L.P. TNM - SPS 11

#### LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0140

All concentrations are reported in mg/L

Y		· · · · · · · · · · · · · · · · · · ·	All concentrations	are reported in t	ng/L			
		SW 846-8015	M GRO/DRO		·	SW 846-8260b	<b>,</b>	
SAMPLE	SAMPLE	GRO	DRO			ETHYL-	m, p -	0 -
LOCATION	DATE	$\mathbf{C}_{6}$ - $\mathbf{C}_{12}$	>C <sub>12</sub> -C35	BENZENE	TOLUENE	BENZENE	XYLENES	XYLENE
		mg/L	mg/L			DENZENE	ATLENES	ATELIE
NMOCD REC	HILATORY							
LIM				0.0100	0.75	0.75	0.6	52
	· · · · · · · · · · · · · · · · · · ·							
MW - 30	02/26/09					ample Schedul		
MW - 30	05/22/09					ample Schedul		
MW - 30	08/18/09					mple Schedul		
MW - 30	12/09/09			< 0.001	< 0.001	< 0.001	<0.0	
			Market Market				American Aller	engen er ar metalligi til för en sam
MW - 31	02/26/09					ample Schedul		
MW - 31	05/22/09					ample Schedul		
MW - 31	08/18/09					ample Schedul	le	
MW - 31	12/09/09			< 0.001	< 0.001	< 0.001	<0.0	
				Primary Control of the Control of th		3 and 47 mm	i insulfigati S	and the state of the state of
MW - 32	02/26/09			Well Not San	npled			
MW - 32	05/22/09			2.430	0.115	0.166	0.2	57
MW - 32	08/18/09			1.850	< 0.010	0.0577	<0.0	)10
MW - 32	12/10/09			1.660	0.0126	0.0478	<0.0	)10
	a de la principal de la companya de			Para Sala Salas Salas			n day (in the control of the control	a langua de SA de ser . Santa de Sa d
MW - 33	02/26/09		<del> </del>	< 0.001	< 0.001	< 0.001	<0.0	
MW - 33	05/21/09			< 0.001	< 0.001	< 0.001	<0.0	001
MW - 33	08/18/09			< 0.001	< 0.001	< 0.001	<0.0	001
· MW - 33	12/09/09	-		< 0.001	< 0.001	< 0.001	<0.0	001
	The second second		estimate and the contract of t					
MW - 34	02/27/09			0.4200	< 0.005	< 0.005	<0.0	
MW - 34	05/22/09			0.0296	< 0.005	< 0.005	<0.0	
MW - 34	08/18/09			0.0156	< 0.005	< 0.005	<0.0	
MW - 34	12/10/09			< 0.001	< 0.001	< 0.001	<0.0	
			COLUMN TELEVIOREMENT	(1) (2013) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	in 19 design			asa in
MW - 35	02/27/09	2-2000000000000000000000000000000000000	79	0.0500	0.0126	0.0305	0.07	
MW - 35	05/22/09			0.0560	0.0066	0.0208	0.02	
MW - 35	08/18/09	<del></del>		0.0236	< 0.001	< 0.001	<0.0	-
MW - 35	12/10/09	*		0.0098	< 0.001	< 0.001	0.0	
	Carrier Co.	in particular and the second s	Carle university of supplier of the Pro-	and the property of	Section of the sectio	the area.		
MW - 36	02/27/09	7.002 (1.000.00 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.00000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.0000 7.000	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.2670	< 0.010	< 0.010	<0.0	
MW - 36	05/22/09			0.1060	< 0.010	< 0.010	<0.0	)10
MW - 36	08/18/09			0.0663	< 0.010	< 0.010	<0.0	)10
MW - 36	12/10/09			0.0305	< 0.001	< 0.001	<0.0	
								The same of the sa
MW - 37	02/26/09			< 0.001	< 0.001	< 0.001	<0.0	
MW - 37	05/21/09			< 0.001	< 0.001	< 0.001	<0.0	
MW - 37	08/18/09			< 0.001	< 0.001	< 0.001	<0.0	-
MW - 37	12/09/09	-		< 0.001	< 0.001	< 0.001	<0.0	
	in the same of the	uplika pada ini ilayan			0.001	rent 10 P second		en a maria
the state of the s		You have been a second of the				No hammen was a local	and a series of the series of	The second second

### PLAINS MARKETING, L.P. TNM - SPS 11 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0140

All concentrations are reported in mg/L

		SW 846-8015	M GRO/DRO			SW 846-8260b		
SAMPLE LOCATION	SAMPLE DATE	GRO C <sub>6</sub> -C <sub>12</sub> mg/L	DRO >C <sub>12</sub> -C35 mg/L	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENE
NMOCD REC				0.0100	0.75	0.75	0.0	52
MW - 38	02/26/09			< 0.001	< 0.001	< 0.001	<0.0	001
MW - 38	05/21/09			< 0.001	< 0.001	< 0.001	<0.0	001
MW - 38	08/18/09			< 0.001	< 0.001	< 0.001	<0.0	001
MW - 38	12/09/09			0.0070	< 0.001	< 0.001	<0.0	001
						Arrian Park	mingling straps and	Care Care Care
MW - 39	02/26/09			< 0.001	< 0.001	< 0.001	<0.0	001
MW - 39	05/21/09			< 0.001	< 0.001	< 0.001	<0.0	001
MW - 39	08/18/09			< 0.001	< 0.001	< 0.001	<0.0	001
MW - 39	12/09/09			< 0.001	< 0.001	< 0.001	<0.0	
							and the second	
MW - 40	02/27/09			0.2110	< 0.005	< 0.005	<0.0	005
MW - 40	05/22/09			0.2240	< 0.005	< 0.005	0.06	513
MW - 40	08/18/09			0.1900	< 0.005	< 0.005	<0.0	005
MW - 40	12/10/09			0.0795	< 0.001	< 0.001	<0.0	001
					Palellina seessa			and the second s

<sup>\*</sup> Complete Historical data Tables are presented on the attached CD.

# POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER PLAINS MARKETING, L.P. TNM 8PS-11

LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0140

	Бірепzоfитяп	_	Ī	0.0111	ESE SEE	<0.000183	<0.000184		<0.000184	<0.000184			0.0478		<0.000184	<0.000184		0.0205	0.284		0.000624	0.000837	変をする。	<0.000184	<0.000184		0.00105	0.00103		<0.000184	<0.000183	
	2-Methylnaphthalene			0.130		_	<0.000184 <(	POIN	$\rightarrow$	<0.000184 <(		+	0.578			<0.000184 <(	<b>第7条公 版</b>	0.197	3.24		<0.000184 0	0.00042 0	新 : 語 : 新		<0.000184		0.000266	0.00103 0		_	<0.000183 <(	
	յ-Methylnaphthalene	J\zm £0.0		0.140	el di		<0.000184 <0			<0.000184 <0			0.616		<0.000184 <0	000184	经三人 論	0.232	3.48	100 TO 10	0.000431 <	0.0013 0	10 15 15 15 15 15 15 15 15 15 15 15 15 15	<0.000184 <0	<0.000184 <0		0.00306 0.	0.00664 0			<0.000183 <0	第一年に 神器
	Ъугеве	<u> </u>		<0.000184			<0.000184 <0	******		<0.000184 <0			<0.00183		_	<0.000184 <0.	TAKE	<0.000917	<0.00463	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<0.000184 0	<0.000184	第1555 美	_	<0.000184 <0	The second	_	<0.000184 C	_	_	<0.000183 <0	第1日 高級のような
	Ррепавіргеве	<del></del>		0.0155 <		_	<0.000184 <			<0.000184 <		-+	> 9920.0		_	<0.000184 <	2 12 July 20	0.0287	0.461	夏春: 湯江東	<0.000184	<0.000184		<0.000184 <	<0.000184 <	Total Total Program	0.000386 <	000184			.000183	
	Vaphthalene	J\\3m £0.0		0.0744			<0.000184			<0.000184 <		$\dashv$	او		0.000207	<0.000184 <		0.109	1.27	100	0.000278	0.00149	1000000	<0.000184 <	<0.000184 <	Age of the second	0.00228 0	0.00621 <0.			<0.000183 <0	
	Indeno[1,2,3-cd)pyrene	.1\2m \$000.0		<0.000184			<0.000184 <		$\rightarrow$	<0.000184 <			<0.00183			<0.000184 <	<b>建模型</b> (1)	<0.000917	<0.00463	ない 一を変な	<0.000184	<0.000184		_	<0.000184 <		<0.000183	<0.000184		_	<0.000183 <	
	Ипотеле	_	T	0.0105			<0.000184 <			<0.000184 <			183	(4) (8)		<0.000184 <	7.4	> 8810.0	<0.00463		<0.000184	<0.000184			<0.000184		<0.000183	<0.000184 <	_	_	183	
3510	Fluoranthene	_		<0.000184		_	<0.000184 <		_	<0.000184 <			<0.00183		_	<0.000184 <		<0.000917	<0.00463		<0.000184	<0.000184	19.00	_	<0.000184		<0.000183	<0.000184 <		_	<0.000183 <	
EPA SW846-8270C, 3510	Dibenz[a,h]anthracene	J\zm £000.0		<0.000184			<0.000184 <		$\overline{}$	<0.000184			<0.00183		_	<0.000184		<0.000917	<0.00463		<0.000184	<0.000184	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<0.000184	<0.000184			<0.000184			<0.000183 <	では、大いのかの
EPA SW	Сундзепе	J\zm 2000.0		<0.000184			<0.000184			<0.000184			<0.00183	127	$\rightarrow$	_	4.50	<0.000917	<0.00463		<0.000184	_	# 20 mm	<0.000184	<0.000184	\$ 50 mm	_	<0.000184			<0.000183	一方 一
	Benzo[k]fluoranthene	J\gm 5000.0		<0.000184			<0.000184			<0.000184			<0.00183		<0.000184	<0.000184	是150多字的	<0.000917	<0.00463	- Total	<0.000184	<0.000184	N. W. W.	<0.000184	<0.000184		<0.000183	<0.000184			<0.000183	1000年
	Benzo[g,h,i]perylene	<del>-</del>		<0.000184			<0.000184		000184	<0.000184			<0.00183	200 100 101	<0.000184	<0.000184		<0.000917	<0.00463		<0.000184	<0.000184		<0.000184	<0.000184	100 A	<0.000183	<0.000184			<0.000183	The second second
	Вепхо[b]Яногявіћеве	Л\ут 2000.0		<0.000184			<0.000184		184	<0.000184			<0.00183		_	<0.000184		<0.000917	<0.00463		<0.000184	<0.000184	200	<0.000184	<0.000184	in a		<0.000184			_	The second
	Benzo[a]pyrene	J\2m \7000.0		<0.000184			<0.000184			<0.000184			<0.00183			<0.000184		<0.000917	<0.00463	100 FE 10	<0.000184	<0.000184	100		<0.000184			<0.000184			<0.000183	
	Benzo[a]anthracene	J\2m 1000.0	er Volume		CENTRAL		<0.000184			<0.000184		er Volume	<0.00183			<0.000184	對達,在鄉。		<0.00463	3 . T. B. B.	<0.000184	<0.000184	1.00	<0.000184	<0.000184			<0.000184	10 m	<0.000184	<0.000183	J. 1. 3.
	эпээвтийпА	_	officient Waf	<0.000184 < 0.000184 < 0.000184		<0.000183	<0.000184		<0.000184	<0.000184		officient Wat	<0.00183				管理是	0.00181	<0.00463	のでは、	<0.000184	<0.000184	· 新智書 "是 3"	<0.000184	<0.000184 < 0.000184 < 0.000184	A STATE OF THE PARTY OF THE PAR	<0.000183	<0.000184	100	<0.000184	<0.000183	Section of Education of
	Асепарісіууіеве	1	Due to Inst	<0.000184		<0.000183	<0.000184		<0.000184	<0.000184	· 1000 电双线	Due to Inst	<0.00183		<0.000184	<0.000184	が影響機	L16000'0>	<0.00463	\$\$142.5°	<0.000184	<0.000184	· 新年至 5	<0.000184	<0.000184	10.45	<0.000183	<0.000184	<b>美国企业</b>	<0.000184		S
	anadiidqenasA	_	Not Sampled Due to Insufficient Water Volume	<0.000184		_	<0.000184	1.30		<0.000184		Not Sampled Due to Insufficient Water Volume	<0.00183		-	<0.000184	71.25	<0.000917	<0.00463	<b>的</b> 對了條子	<0.000184	184	1. Sept. 184	<0.000184	<0.000184	38. 3. 430		<0.000184				ちをながるとい
	SAMPLE	ntaminant M ing water ions 1- 103.A.	12/11/08	12/10/09	+0333		12/09/09	4946995	-	12/09/09			12/10/09		-1	6	14年第3	12/11/08	12/10/09		12/11/08	12/10/09		-		Some Logical Annual South		6	2000	-	12/09/09	
	SAMPLE S	Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1- 101.UU and 3-103.A.	MW-1			MW-2			MW-3			MW-4			9-MM			MW-7			6-MM			MW-10			MW-11		80 Av.	MW-12		

# POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

TABLE 3

**()** 

PEAINS MARKETING, L.P.
TNM SPS-11
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0140

	Dibenzofuran	_	<0.000184	<0.000184		0.00177	0.00113		<0.000185	<0.000183		<0.000184	<0.000185	新子 大学	<0.000184	<0.000184		<0.000183	<0.000184		<0.000183	<0.000185	ALC: NO	<0.000183	< 0.000184		<0.000185	<0.000183	4	<0.000184	<0.000183	
	2-Methylnaphthalene		<0.000184	-		0.0207	0.00844		<0.000185	<0.000183	100 年 100 年	<0.000184	<0.000185	**	000184	<0.000184		<0.000183	<0.000184	-	<0.000183	<0.000185	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	<0.000184		<0.000185			000184	<0.000183	
	I-Methylnaphthalene	Л\3m €0.0	<0.000184			0.0259	0.0121		<0.000185	<0.000183		<0.000184	<0.000185		$\overline{}$	<0.000184		<0.000183	<0.000184		<0.000183	<0.000185	"是法"。	_	<0.000184		<0.000185	<0.000183	1 a 1 a 1 a 1 a 1 a 1 a 1 a 1 a 1 a 1 a	_	<0.000183	
	Pyrene	_	<0.000184			<0.000183	<0.000184		<0.000185	<0.000183		<0.000184	<0.000185		<0.000184	<0.000184		<0.000183	<0.000184		<0.000183	<0.000185			<0.000184		<0.000185	<0.000183	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	<0.000183	
	Ръспаптътепс	_	<0.000184			0.00105	0.00101			<0.000183		<0.000184	<0.000185		000184	<0.000184		<0.000183	<0.000184		_	<0.000185	100	_	<0.000184		<0.000185	<0.000183	阿爾斯	000184	<0.000183	
	Иврћећајеће	J\3m £0.0	<0.000184	<0.000184	\$55.552	0.0374	0.00746		<0.000185	<0.000183		<0.000184	<0.000185		<0.000184	<0.000184		<0.000183	<0.000184		<0.000183	<0.000185	· 1 美 1 美 1 美 1 美	<0.000183	<0.000184		<0.000185	<0.000183	400 Store	<0.000184		
	Janapul (h2-6,2,1)onabul	J\gm \$000.0	<0.000184	<0.000184		<0.000183	<0.000184	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<0.000185	<0.000183		<0.000184	<0.000185		<0.000184	<0.000184		<0.000183	<0.000184		<0.000183	<0.000185	1. 22 Fe	<0.000183	<0.000184		<0.000185	<0.000183	10 mm	000	<0.000183	ころとう だい機能
	Гіпотепе	_	<0.000184	<0.000184		0.00138	<0.000184		_	<0.000183			<0.000185			<0.000184	aranton .		<0.000184		♡	<0.000185		<0.000183	<0.000184		<0.000185	<0.000183	100 mg 1 m	<0.000184	<0.000183	\$200 CANA
3510	эмэнілвтон[4	<del>-</del>	<0.000184	< 0.000184		<0.000183	<0.000184		<0.000185	<0.000183	海	<0.000184	<0.000185		<0.000184	<0.000184		<0.000183	<0.000184	and a	<0.000183	<0.000185	10000000000000000000000000000000000000	<0.000183	<0.000184		<0.000185	<0.000183		<0.000184	<0.000183	小学 一大学 学
EPA SW846-8270C, 3510	Dibenz[a,h]япthгясепе	J\gm £000.0	<0.000184	<0.000184		<0.000183	<0.000184			<0.000183		$\rightarrow$	<0.000185			<0.000184		<0.000183	<0.000184			<0.000185	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<0.000183	<0.000184		<0.000185	<0.000183		<0.000184	<0.000183	報がたらが、報
EPA S	Срідзене	J\zm £000.0	<0,000184	< 0.000184		<0.000183	<0.000184	-	8	<0.000183		_	<0.000185	_	_	<0.000184	-	-	<0.000184		_	<0.000185	C		<0.000184		8	<0.000183	_		<0.000183	污染工品水
	Вепго[k]Пиотяпіћепе	Л\зт 2000.0	<0.000184	<0.000184		8	<0.000184		_	<0.000183	M11W		<0.000185		Ş   ₹	<0.000184		ଚ	<0.000184	9		<0.000185			<0.000184		_	<0.0001		<0.000184	<0.000185	10 TO
	Benzo[g,h,i]perylene	<u> </u>	<0.000184	<0.000184		ଚ	<0.000184	8 78- 341-4	8	<0.000183		8	<0.000185		ଟାଟ	<0.000184	right.	ଚ୍ଚୀ	<0.000184	drig Sign		<0.000185			<0.000184			<0.000183		<0.000184		
	Вепхо[b]fluorяпірепе	J\zm 5000.0	<0.000184	<0.000184		0.0	<0.000184	oxe wexa	0.0	<0.000183		0. 0.	<0.000185		Ş Ş	<0.000184	200	Ş     	<0.000184		0.0	<0.000185		8	<0.000184	\$ 10 mm	<0.000185	<0.000183	Francis 1 d	<0.000184	<0.0001	
	Benzo[s]byrene	J\gm \7000.0	<0.000184	<0.000184 <0.000184		<0.000183 <0.000183	<0.000184			<0.000183	o do dipe	<0.000184				<0.000184			<0.000184		<0.000183	<0.000185		<0.000183	<0.000184			ଷ		<0.000184	<0.000183	をおうない
	Benzo[a]anthracene	J\ym 1000.0	<0.000184			<0.000183	•		<0.000185	<0.000183		<0.000184	ŏ. 0 V		<0.000184				<0.000184						<0.000184							
	эпээвтайаА			<0.000184		٠.	0.00103		<0.000185	<0.000183		<0.000184 <0.000184	<0.000185 <0.000185			<0.000184					<0.000183	<0.000185	P M	<0.000183 <0.000183	<0.000184 <0.000184		<0.000185	<0.000183	** ** ** ** ** ** ** ** ** ** ** ** **	<0.000184		
	Асеяярініууіеве	_		<0.000184		$\overline{}$	_		_	<0.000183			—+~		_	~0.000184					<0.000183	<0.000185					_	<0.000183			<0.000183	_
	Асепарћіћеле	_	<0.000184	<0.000184		<0.000183	<0.000184		<0.000185	<0.000183		<0.000184	<0.000185	一 なのでの 歌歌曲	<0.000184	-0.000184		<0.000183	<0.000184	201000	<0.000183	<0.000185	esi y Brist	<0.000183	<0.000184		<0.000185	<0.000183	1 2 2 2 2 2 2	<0.000184	<0.000183	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	SAMPLE DATE	ontaminant NM king water tions 1-	12/11/08	12/09/09		12/11/08		675	12/11/08	12/09/09	00, 10, 00	12/11/08		17.	12/10/06	60/01/71		12/11/08	60/60/71	00/11/01		60/60	1999	12/11/08	12/09/09		12/11/08	12/09/09	2001	12/11/08	165	D Sec
	SAMPLE	Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1- 101.UU and 3-103.A.	MW-13			MW-14	AN 80 0 100 0 100 0		MW-15	A Charles Charles Train Theory Co.		MW-I6	\$ 7 fts save and 1 kills the		/1-WW	日に前の様々 (を)のこと	2 2 2 2	MW-18	学のない 動きない なんり		MW-19	2		MW-21	1000		MW-23		C 11 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MW-24	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7

# POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

## PLAINS MARKETING, L.P. TNM SPS-11 LEA COUNTY, NEW MEXICO NMOCD REFERENCE NUMBER GW-0140

	петиюсери	_	<0.000183	<0.000184		<0.000183	<0.000184		0.000618	0.000758	200000	0.000995	0.00125	<0.000183	<0.000183		<0.000183	<0.000184	0.000688	0.000877		<0.000184	<0.000183		<0.000183	<0.000184	000103	<0.000183	
	2-Methylnaphthalene	m 8m ann	<0.000183	<0.000184	costa	0.000224	<0.000184		$\dashv$	0.000988		19100	0.00332	000183	000183	温かい	<0.000183	<0.000184	<b>→</b>	<0.000184	-		<0.000183		000183	<0.000184	1000	<0.000183	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	1-Methylnaphthalene	J\\ <del>y</del> m £0.0	<0.000183	<0.000184		0.000552	<0.000184		0.00148	0.00217	10000	0.00384	0.00668	<0.000183	-	\$ 5 C C C C C C C C C C C C C C C C C C	<0.000183	<0.000184	0.000604	0.00181		<0.000184	<0.000183		_	<0.000184		<0.000183	
!	Pyrene	_	<0.000183	<0.000184		<0.000183	<0.000184	事態 医二唑 连零	<0.000183	<0.000184		<0.000183	<0.000183	<0.000183	<0.000183	1874 APA	<0.000183	<0.000184	<0.000183	<0.000184		<0.000184	<0.000183	湖湖湖	<0.000183	<0.000184	-0.000183	<0.000183	
	Phenanthrene	-	<0.000183	<0.000184		<0.000183	< 0.000184		<0.000183	<0.000184	AL WAST	0.000394	<0.000183	<0.000183	<0.000183	NO.	<0.000183	<0.000184	<0.000183	<0.000184			<0.000183		<0.000183	<0.000184	0.000183	<0.000183	n a
	Иарћtћајеће	J\gm £0.0	<0.000183	<0.000184		0	0.00128		0.00247	0.00315			0.0136	<0.000183		場合は、	<0.000183	<0.000184	_	0.00284			<0.000183		<0.000183	<0.000184	70 000183	_	whit
	ənəvyq(bə-E,L,f]onəbnl	J\zm ≯000.0	<0.000183	<0.000184		-	<0.000184		_	<0.0001		_	<0.000183	<0.000183	9	-14 W. W. C.	<0.000183	<0.000184		<0.000184	_	8	<0.000183		₽ (	00 V	70 000 82	9 8	
	Fluorene		<0.000183	<0.000184		<0.000183	<0.000184		_	<0.000184	900		<0.000183	ै 🎖	-		<0.000183	<0.000184	_	<0.000184	$\overline{}$		<0.000183	-	-	<0.000184	0.000183		-
C, 3510	Fluoranthene	_	<0.000183	< 0.000184		<0.000183	<0.000184	-	-	<0.000184		-	<0.000183	~ -		1.5%	<0.000183	<0.000184	$\rightarrow$	<0.000184		_	<0.000183		_			<0.000183	
ts are reported in mg/L EPA SW846-8270C, 3510	Dibenz[a,h]anthracene	J\3m £000.0	<0.000183	<0.000184		<0.000183	<0.000184		-	<0.000184		_	<0.000183	000 0>	_		<0.000183	<0.000184	_	<0.000184	_	_	<0.000183	-	-	₹	70 000 63		-
All water concentrations are reported in mg/L EPA SW846-827(	Сргузепе	J\3m \$000.0	<0.000183	<0.000184		<0.000183	<0.000184	-	_	<0.000184			<0.000183	<0.000183	-	<b>不是是</b>	<0.000183	<0.000184		<0.000184	-		<0.000183	_	_	<0.000184		<0.000183	
water concent	Benzo[k]Ilnoranthene	J\gm £000.0	<0.000183	<0.000184			<0.000184	-	$\overline{}$	<0.000184	4	_	<0.000183	<0.000183	<0.000183		<0.000183	<0.000184	-	<0.000184		_	<0.000183	_	_	<0.000184	_	<0.000183	
V V	Benzo[g,b,i]perylene	_	<0.000183	<0.000184		<0.000183	<0.000184		8	<0.000184	777-		<0.000183	_	-	語という	<0.000	<0.000184	_	<0.000184	꽳		<0.000183		_	<0.000184	70 000182		9
	Benzo[b]Auoranthene	.1\gm £000.0	<0.000183	<0.000184		<0.000183	<0.000184	9 0 8	<0.000	<0.000184	20000	S S	<0.000183	· ·	00.0	440		<0.000184		<0.000184		<0.000	<0.000183			٧.	- 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	<0.000>	
	Benzo[a]pyrene	J\gm 7000.0	<0.000183	<0.000184		<0.000183 <0.000183	<0.000184			<0.000184			<0.000183	000				<0.000184		<0.000184			<0.000			<0.000184	~0 000183		
	Benzo[a]anthracene	.T\2m f000.0	<0.000183	<0.000184		< 0.000183	<0.000184			<0.000184			<0.000183		< 0.000183	Just -				<0.000184			<0.000183		<0.000183	٧L.			
	Апіргасеве	_	<0.000183	<0.000184		<0.000183	<0.000184 <0.000184			<0.000184			<0.000183					<0.000184		<0.000184		<0.000184	<0.000183		<0.000183	<0.000184	70 000 83	<0.000183	* * * * * * * * * * * * * * * * * * *
	эпэүйлүүвиээ	<del>-</del>	<0.000183	-		_	_		<0.000183	<0.000184	0.00	_	<0.000183	<0.000183			_	$\rightarrow$	 _	<0.000184		<0.000184	<0.000183		<0.000183	<0.000184			
	Acensphinene	_	<0.000183	<0.000184		<0.000183	<0.000184		<0.000183	<0.000184		<0.000183	<0.000183	<0.000183	<0.000183		<0.000183	<0.000184	<0.000183	<0.000184		<0.000184	<0.000183		<0.000183	<0.000184	~	<0.000183	279° 248° 260°
	SAMPLE	ntaminant (M ing water tions 1-	12/11/08	12/09/09		12/11/08	12/10/09		12/11/08	12/10/09	00	12/11/08	12/10/09	1/08	12/09/09		12/11/08	12/09/09	12/11/08	12/10/09		12/11/08	12/09/09		_	60/	12/11/08	12/10/09	
	SAMPLE LOCATION	Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1- 101.UU and 3-103.A.	MW-25			MW-26		11C1	MW-28	Target of Year You'll of Store	Z	MW-29		c			MW-31		MW-32			MW-33		3	MW-34	0 8 2 3	nde est ve	CC-WIVI	大変 かんかんなか

POLYNUCLEAR AROMATIC HYDROCARBON CONCENTRATIONS IN GROUNDWATER

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TABLE 3

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PLAINS MARKETING, L.P.
TINM SPS-11
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE NUMBER GW-0140

			_	Ś	L.	4	'n	総無	4	4	i granger	m	4	naig.	83	50
	Dibenzofuran	<del>-</del>	0.000517	<0.000185		<0.000184	<0.000183		<b>~</b> 0.000184	<0.000184		<0.000183	×0.000184		<0.00018	<0.000185
	2-Methylnaphthalene		0.000186	<0.000185		<0.000184	<0.000183		<0.000184	<0.000184		<0.000183	<0.000184		<0.000183	<0.000185
	1-Меthуlnарhthalene	J\gm £0.0	0.0012	<0.000185		<0.000184 <	000183	進 製作電	<0.000184	<0.000184 <		<0.000183	<0.000184		<0.000183 <	000185
	_		Ш				0			_		0183 <0.0			0183 <0.0	<0.000185 <0.000185
	Pyrene	<del>-</del>	5 <0.000184	85 <0.000185		84 < 0.000184	83 <0.000183		84 < 0.000184	84 <0.000184		83 <0.000183	84 < 0.000184			
	Ръеввитъгеве	1	0.000315	<0.000185		<0.000184	20.000183		<0.000184	<0.000184		<0.000183	<0.000184			<0.000185
	Naphthalene	J\zm £0.0	0.00744	0.000516		<0.000184	<0.000183		<0.000184	<0.000184		<0.000183	<0.000184		<0.000183	<0.000185 <0.000185
:	ansıyq(bs-E,£,£]onsbnī	J\zm \$000.0	<0.000184	<0.000185	## A	<0.000184	<0.000183		<0.000184	<0.000184		<0.000183 <0.000183	<0.000184		<0.000183	<0.000185
	Fluorene	1	<0.000184	<0.000185		<0.000184	<0.000183		<0.000184	<0.000184		0.000183	<0.000184			<0.000185
3510	ујпоквиthene	_	<0.000184	>  58100010>		<0.000184	000183		<0.000184	<0.000184 <(		<0.000183	<0.000184		.000183 <0.	<0.000185
၂ပ္	Dibenz[a,a]anthracene	J\3m E000,0	<0.000184 <0			<0.000184 <0.	<0.000183 <0		<0.000184 <0.	<0.000184 <0		<0.000183 <0.	<0.000184 <0			<0.000185 <0.
EPA SW846-8270C.	damaid alamadid	13 E000 U		<0.000185 <0.000185				100		_		183 <0.00			183 <0.00	185 <0.00
EPA	Сигузепе	.J\gm 2000.0	4 <0.000184			4 < 0.000184	3 <0.000183		4 < 0.000184	4 <0.000184		3 <0.000183	4 < 0.000184		3 <0.000183	2 <0.000
EPA SW846-827	Benzo[k]Aluoranthene	J\ym 2000,0	<0.000184	<0.000185		<0.000184	<0.000183		<0.000184	<0.000184		<0.00018	<0.000184		<0.000183	<0.000185 <0.000185
Vie	Benzo[g,h,i]perylene	-	<0.000184	<0.000185		< 0.000184	<0.000183	<u>-</u> 등록 통하장	<0.000184	<0.000184		<0.000183 <0.000183	<0.000184			<0.000185
	Вепхо[р] Иногапсћеве	J\2m 2000.0	<0.000184	S81C		<0.000184	<0.000183		184	<0.000184		183	184		2183	3185
	Вепго[я]ругепе	J\3m 7000.0	0.000184	0.000185		0.000184	<0.000183		0.000184	0.000184		0.000183	0.000184		:0.000183	:0.000185
	Benzo[a]anthracene	J\2m 1000.0	0.000184 <	0.000185		<0.000184 <0.000184	<0.000183		0.000184	0.000184 <	世	0.000183	0.000184		<0.000183 <0.000183 <0.00	0.000185 <
	эпээвтийлА	_	0.000184	0.000185		0.000184	<0.000183		0.000184	0.000184		0.000183	0.000184		<0.000183 <	0.000185
	Асепарћіћујеве	_	<0.000184 < 0.000184 < 0.000184 < 0.000184 < 0.000184	<0.000185		<0.000184 <0.000184	<0.000183		<0.000184   < 0.000184   < 0.000184   < 0.000188   < 0.000188   < 0.000188	<0.000184 <0.000184 <0.000184 <0.000184 <0.000	1000	< 0.000183	<0.000184 <0.000184 <0.000184 <0.000184 <0.000	(14) MOES &	<0.000183 <	<0.000185
	Acenaphthene	_	<0.000184 <	<0.000185   <0.000185   <0.000185   <0.000185   <0.000185   <0.000185		<0.000184	<0.000183		<0.000184	<0.000184		<0.000183  <0.000183  <0.000183  <0.000183  <0.000183  <0.000183	<0.000184		<0.000183	<0.000185   <0.000185   <0.000185   <0.000185   <0.000185   <0.000185   <0.000
	SAMPLE	aminant 1 g water ons 1- 03.A.	> 12/11/08	>   60/01/71	N 2.75488	> 12/11/08	>   60/60/71		12/11/08	> 60/60/21		>   80/11/21	>   60/60/21	teen.	_	2/10/09
	SAMPLE S/	Maximum Contaminant Levels from NM WQCC Drinking water standards Sections 1- 101.UU and 3-103.A.	MW-36 1		38 C 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1	MW-37			MW-38   1	-		MW-39   1	1		MW-40	
L	S C	Sta K K K			響			45-04 883:	_	L	estig Timir					

Appendices

Appendix A
Release Notification and Corrective Action
(Form C-141)

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

#### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Revised October 10, 2003

Form C-141

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

#### Release Notification and Corrective Action

						<b>OPER</b> A	TOR		x Initi	al Report		Final Repo
Name of Co	mpany	Plains l	Pipeline,	LP		Contact:	Camill	le Reyn	olds			
Address:				d, TX 79706		Telephone N		11-0965	5			
Facility Nar	ne	SPS #11	<u> </u>			Facility Typ	e: Pipelir	ne				<u> </u>
Surface Ow	ner:			Mineral	Owner				Lease 1	Vo.		
New Mexic		nd Office		11222	C 111101				200001			
				100	ATIO	N OF REI	EACE					
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the	L East/V	West Line	County		
F	18	18S	36E	rect from the	Tion	7 South Emo	Teet from the	Last	· · · · · · · · · · · · · · · · · · ·	Lea		_
		·	Latitu	da 32 degrees	11, 20	3" Longitud	e 103 degrees 2	3, 36 2	"			
			Latitu			_ , _		3 30.3				
				NA	TURE	OF REL						
Type of Rele						Volume of				Recovered		
Source of Re	ease:					Unknow	Iour of Occurrenc	e	Date and	Hour of Dis	covery	
Was Immedia	ite Notice (	Given?				If YES, To					_	
			es 🔲 N	lo 🔲 Not Req	quired							
By Whom?				····		Date and H						
Was a Water	ourse Read			<b>-</b>		If YES, Vo	olume Impacting t	the Wate	ercourse.			
			Yes 🗵	No								
Describe Cau	se of Probl	em and Remed	lial Action	Taken.*								
NOTE: Texa unavailable ,	s-New Me		was the o	wner/operator			at the time of th					
regulations al public health should their or or the environ	I operators or the envi- perations h iment. In a	are required to conment. The ave failed to a	o report an acceptance dequately CD accep	d/or file certain e of a C-141 rep investigate and	release r oort by th remedia	notifications ar ne NMOCD m te contaminati	knowledge and und perform correct arked as "Final R on that pose a three the operator of	ctive act eport" d eat to gi	ions for rel loes not rel round wate	eases which ieve the ope r, surface wa	may en rator of ater, hu	idanger `liability man health
							OIL CON	<u>SERV</u>	ATION	DIVISIO	<u> </u>	
Signature:												
Printed Name	: Ca	mille Reynold	ls			Approved by	District Supervis	or:				<del> </del>
Title:	Re	mediation Coc	ordinator			Approval Dat	te:		Expiration	Date:		
E-mail Addre	ss: cjr	eynolds@paal	p.com			Conditions of	Approval:			Attached		
Date: 3/21/20		·—	Phone:	(505)441-09	65							
Attach Addi	1.01	TCNT										

Attach Additional Sheets If Necessary