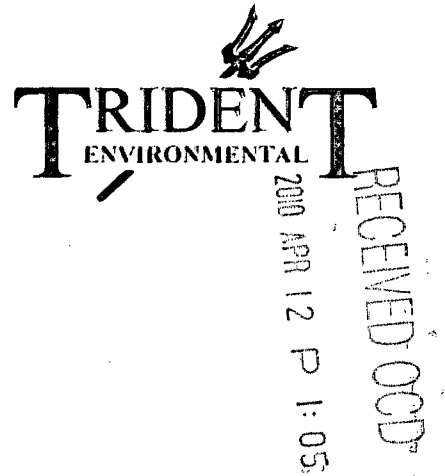


AP - 58

ANNUAL MONITORING REPORT

YEAR(S):
2009

CERTIFIED MAIL
RETURN RECEIPT NO. 7099 3400 0017 1737 1889



April 2, 2010

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87504

**RE: 2009 Annual Groundwater Monitoring Report
BD Santa Rita EOL Release Site (AP-58)
T22S, R37E, Section 27, Unit Letter A
Lea County, New Mexico**

Mr. Hansen:

On behalf of Rice Operating Company (ROC), Trident Environmental takes this opportunity to submit the 2009 Annual Groundwater Monitoring Report for the BD Santa Rita EOL Release Site located in the Blinbry-Drinkard (BD) Salt Water Disposal (SWD) System.

Excavation, backfilling, lining, and re-seeding of the vadose zone were completed in the first quarter of 2009. In addition, a downgradient monitoring well (MW-4) and recovery well (RW-1) were installed in June 2009. Groundwater recovery operations at RW-1 will begin soon pending the procurement and installation of a groundwater recovery system.

ROC is the service provider (agent) for the BD SWD System and has no ownership of any portion of pipeline, well, or facility. The BD SWD System is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, please contact Hack Conder at (575) 393-9174.

Sincerely,

Gilbert J. Van Deventer, REM, PG

cc: Hack Conder (Rice Operating Co., Hobbs, NM)

enclosures: map, table, and graphs

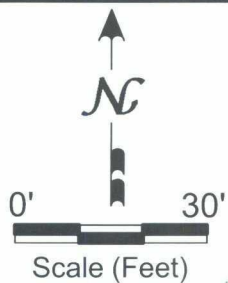
ATTACHMENT A

Site Map

Table

Graphs

MW-2
3280.24
CL 64
TDS 776



Rice 3-inch Poly Line

Release Point

Direction of
Groundwater Flow
0.002 ft/ft

Heater
Treater

Tank Battery

MAP LEGEND

MW-2
3280.24
CL 76
TDS 802

Monitoring Well
Groundwater Elevation
Chloride, TDS, & BTEX
Concentrations in mg/L

B <0.001
T <0.001
E <0.001
X <0.003

BTEX Concentrations in all
monitoring wells are less than
the method detection limit for
each constituent as noted (mg/L).

3280.00

Groundwater
Elevation Contour
(Contour Interval = 0.10 feet)

RW-1
3280.06
CL 1520
TDS 2970

MW-3
3280.12
CL 900
TDS 2340

MW-4
3279.95
CL 1240
TDS 3320



BD Santa Rita EOL Release Site
T22S - R37E - Section 27, Unit A
RICE Operating Company

Water Table Elevation and
Chloride, TDS, & BTEX
Concentration Map
October 8, 2009

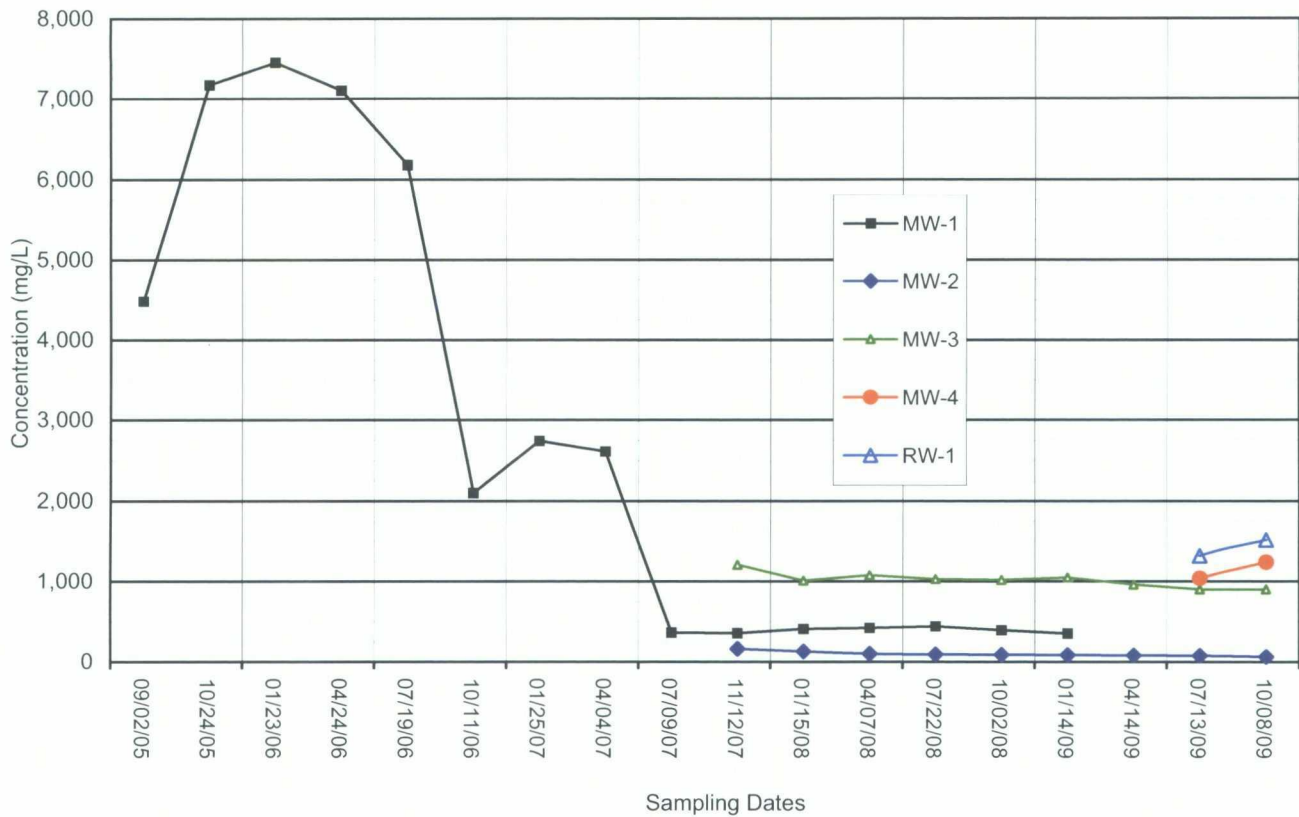
Table 1
Summary of Groundwater Monitoring Results

Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
MW-1	09/02/05	54.04	3280.28	4,480	7,600	<0.001	<0.001	<0.001	<0.001
	10/24/05	53.85	3280.47	7,170	16,400	<0.001	<0.001	<0.001	<0.001
	01/23/06	53.98	3280.34	7,450	14,300	<0.001	<0.001	<0.001	<0.001
	04/24/06	54.07	3280.25	7,100	14,300	<0.001	<0.001	<0.001	<0.001
	07/19/06	54.08	3280.24	6,180	14,000	<0.001	<0.001	<0.001	<0.001
	10/11/06	53.99	3280.33	2,100	4,560	<0.001	<0.001	<0.001	<0.001
	01/25/07	54.10	3280.22	2,740	4,560	<0.001	<0.001	<0.001	<0.001
	04/04/07	54.11	3280.21	2,610	5,720	<0.001	<0.001	<0.001	<0.001
	07/09/07	53.80	3280.52	363	1,470	<0.001	<0.001	<0.001	<0.003
	11/12/07	53.87	3280.45	356	1,398	<0.001	<0.001	<0.001	<0.003
	01/15/08	53.88	3280.44	408	1,499	<0.001	<0.001	<0.001	<0.003
	04/07/08	53.98	3280.34	420	1,460	<0.001	<0.001	<0.001	<0.003
	07/22/08	54.06	3280.26	440	1,460	<0.002	<0.002	<0.002	<0.006
	10/02/08	54.11	3280.21	392	1,390	<0.001	<0.001	<0.001	<0.003
	01/14/09	54.08	3280.24	352	1,250	<0.001	<0.001	<0.001	<0.003
	02/27/09	This source area well was plugged prior to excavation.							
MW-2	11/12/07	54.55	3280.48	160	930	<0.001	<0.001	<0.001	<0.003
	01/15/08	54.57	3280.46	128	1,001	<0.001	<0.001	<0.001	<0.003
	04/07/08	54.65	3280.38	100	982	<0.001	<0.001	<0.001	<0.003
	07/22/08	54.74	3280.29	92	931	<0.002	<0.002	<0.002	<0.006
	10/02/08	54.81	3280.22	88	902	<0.001	<0.001	<0.001	<0.003
	01/14/09	54.78	3280.25	84	850	<0.001	<0.001	<0.001	<0.003
	04/14/09	54.82	3280.21	80	858	<0.001	<0.001	<0.001	<0.003
	07/13/09	54.79	3280.24	76	802	<0.001	<0.001	<0.001	<0.003
	10/08/09	54.79	3280.24	64	776	<0.001	<0.001	<0.001	<0.003
MW-3	11/12/07	53.70	3280.27	1,210	2,596	<0.001	<0.001	<0.001	<0.003
	01/15/08	53.69	3280.28	1,010	2,398	<0.001	<0.001	<0.001	<0.003
	04/07/08	53.73	3280.24	1,080	2,620	<0.001	<0.001	<0.001	<0.003
	07/22/08	53.82	3280.15	1,030	2,890	<0.002	<0.002	<0.002	<0.006
	10/02/08	53.86	3280.11	1,020	2,830	<0.001	<0.001	<0.001	<0.003
	01/14/09	53.83	3280.14	1,050	2,670	<0.001	<0.001	<0.001	<0.003
	04/14/09	53.90	3280.07	960	2,200	<0.001	<0.001	<0.001	<0.003
	07/13/09	53.88	3280.09	900	2,080	<0.001	<0.001	<0.001	<0.003
	10/08/09	53.85	3280.12	900	2,340	<0.001	<0.001	<0.001	<0.003
MW-4	07/13/09	52.28	3279.90	1,040	2,260	<0.001	<0.001	<0.001	<0.003
	10/08/09	52.23	3279.95	1,240	3,320	<0.001	<0.001	<0.001	<0.003
RW-1	07/13/09	53.02	3280.05	1,340	2,750	<0.001	<0.001	<0.001	<0.003
	10/08/09	53.01	3280.06	1,520	2,970	<0.001	<0.001	<0.001	<0.003

WQCC Standards: 250 1,000 0.01 0.75 0.75 0.62

Total Dissolved Solids (TDS), chloride, and BTEX concentrations listed in milligrams per liter (mg/L)
 Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.
 BTOC - Below Top of Casing

Chloride Concentrations Versus Time



Total Dissolved Solids Concentrations Versus Time

