



Photo 1      Outfall #001, looking west into New Mexico (Diane Poteet photo)



Photo 2      Outfall 001, looking east, back up Ranch House Draw (Diane Poteet photo)





Photo 5 Close up of ponded water in Photo 4 (Diane Poteet photo)



Photo 6 Moist OAG along north excavation wall; dry material is lighter color (Diane Poteet photo)





Photo 7 Steve Cook, Roger Dockery, Robert Holt, and Conrad Kuharic at 80-foot zone exposure along south excavation wall (Diane Poteet photo)



Photo 8 Outfall 002, looking west into New Mexico (Roger Dockery photo)





Photo 9      Drainage ditch from facility to Outfall 002, looking north (Roger Dockery photo)



Photo 10      Outfall 003, looking northeast from state line road. LSA pad in background, outlet pipe in foreground, left of lower center (Roger Dockery photo)





Photo 11 Looking south, along graded ditch from Outfall 003 (Roger Dockery photo)



Photo 12 Erosion pin array #3, note rail loop embankments along both sides and joining to northeast (Conrad Kuharic photo)





Photo 13 Soil moisture instrumentation array and data logger around B-130 (Roger Dockery photo)



Photo 14 Processing facility drainage ditch, looking west along rail spur towards facility (Roger Dockery photo)





Photo 15 Facility drainage ditch going south, under rail spur (Roger Dockery photo)



Photo 16 Facility Drainage ditch going west into Ranch House Draw (Roger Dockery photo)





Photo 17 Haulers for the PCB project under construction and testing; note men standing on left and right end trucks for scale (Diane Poteet photo)

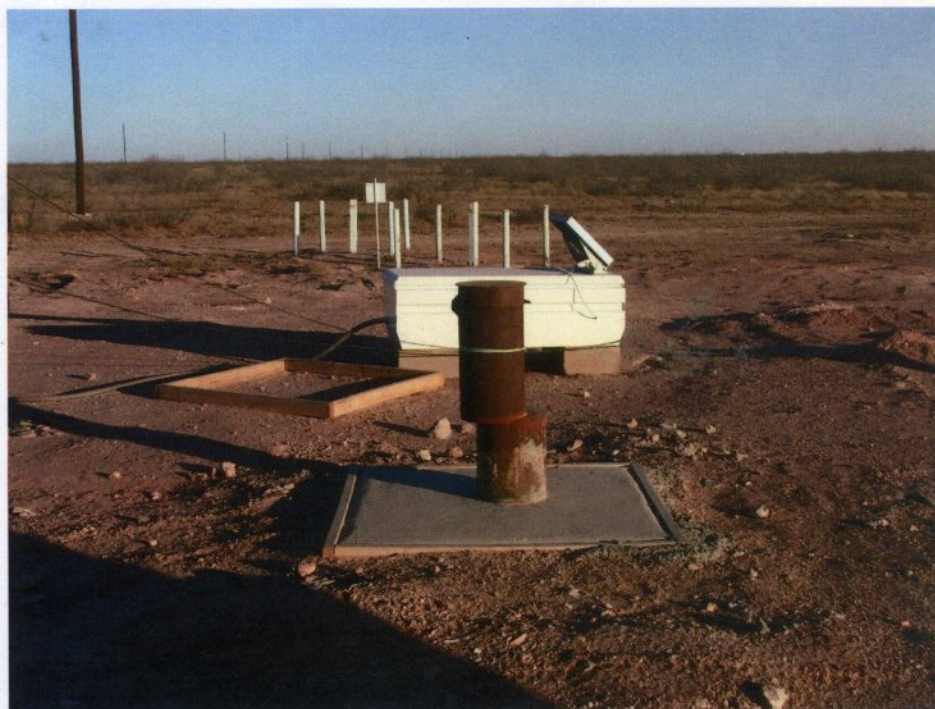


Photo 18 Creative well protection structure at B-132 (Diane Poteet photo)





Figure 5      Drainage diversion pipe from LSA pad to state line road. This pipe was installed to move runoff water from the pad away from the area around OAG monitor well TP-42, as required by License Condition 41.

The pipe inner diameter is six inches, which Steve Cook stated was the diameter of the previous outlet drain.



# Texas Commission on Environmental Quality

## INTEROFFICE MEMORANDUM

**To:** License File R05807 **Date:** February 9, 2009

**Thru:** Gary Smith, Ph.D. *gls 2/12/09*  
UTA Section Manager

**From:** Conrad A. Kuharic, P.G. *CAK 2/11/09* Roger Dockery, P.G. *RD 2/11/09*  
UTA Section Geologist UTA Section Geologist

**Subject:** August OAG Groundwater Level Elevation Report, for June and July, 2008  
Log No. 2008-08-0002

Staff has reviewed the above named report, dated August 6, 2008, and received August 6, 2008, from Waste Control Specialists (WCS), and offers the following comments. The report is required by License Condition 44.

The report provides groundwater level elevations for 72 OAG monitor wells within, and in the immediate vicinity of the 1338 acre WCS facilities area for June, and 76 wells for July. Six wells had only June data and 2 different wells had only July data. The report does not include data for 19 FWF and CWF series monitor wells from June or July 2008. No additional wells were added since the last submission of OAG water level data, as plotted on a map dated May 15, 2008.

The June 2008 data was collected between June 13 and June 30, and shows 43 of the 72 were reported as dry, although water level elevations were given for 8 of these wells. WCS considers these wells dry because the water is present in a sump below the elevation of the bottom of the screened interval. The remaining 29 wells had water level elevations above the screen, and the June measurements dropped in 22 of these wells since the last measurements collected in April and May of 2008, went up in 6 wells (2 of which, TP-42 and TP-48, are near the byproduct excavation), and was unchanged in 1 well. Declines ranged from 0.01 foot to 2.09 feet, and increases ranged from 0.06 foot to 0.42 foot. Particularly noteworthy was the singular large decline of 2.09 feet in TP-31, located north of Baker Spring, for which WCS offered no explanation.

The July data was collected between July 8 and July 17, which is an improvement over the time span for the June data. From June to July, 45 wells were dry, although 4 had water level elevation data (see explanation above), 20 declined from June elevations, 6 wells showed an increase (only 1 of which, TP-42, is near the byproduct excavation), and 5 were unchanged. July declines ranged from 0.01 foot to 2.91 feet, at TP15, on the southern edge of the large playa, with no explanation offered. Increases ranged from 0.1 foot to 0.14 foot.