2007 ANNUAL MONITORING AND COMPLIANCE REPORT
APP NO. P-100388

ARIZONA PUBLIC SERVICE CO.
PALO VERDE NUCLEAR GENERATING STATION

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1. GROUNDWATER MONITORING

A. SUMMARY TABLES/SPREADSHEETS OF ANALYTICAL RESULTS

TABLE 1A-1. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
27cbc	2/16/2007	966.02	202.31	763.71	Subsidence Program Measurement
	4/25/2007	966.02	201.08	764.94	Subsidence Program Measurement
	7/10/2007	966.02	202.05	763.97	Subsidence Program Measurement
	10/11/2007	966.02	202.33	763.69	Subsidence Program Measurement
APP-1	1/24/2007	920.64		Dry	Tritium WL
	2/15/2007	920.64		Dry	CAL Contingency WL
	3/27/2007	920.64		Dry	Tritium WL
	4/24/2007	920.64		Dry	Tritium WL, CAL Contingency WL
	5/30/2007	920.64		Dry	Quarterly WQ, Tritium WL
	7/27/2007	920.64		Dry	Quarterly WQ
	8/8/2007	920.64		Dry	CAL Contingency WL
	12/6/2007	920.64		Dry	Qtrly WQ
APP-3	1/23/2007	916.73	220.46	696.27	Tritium WL
	2/15/2007	916.73	220.61	696.12	Quarterly WQ/ Tritium WL
	3/27/2007	916.73	219.86	696.87	Tritium WL
	4/25/2007	916.73	220.03	696.70	Tritium WL
	5/31/2007	916.73	220.77	695.96	Tritium WL
	6/11/2007	916.73	221.05	695.68	Quarterly WQ, Tritium WL
	7/27/2007	916.73	222.62	694.11	Quarterly WQ
	8/8/2007	916.73	222.75	693.98	Discretionary WL
	11/1/2007	916.73	224.04	692.69	Qtrly WQ
APP-4	1/24/2007	917.14	150.76	766.38	Quarterly WQ & Tritium WL
	2/16/2007	917.14	151.86	765.28	CAL Contingency & Tritium WL
	2/26/2007	917.14	150.71	766.43	Qtr WQ
	3/27/2007	917.14	150.54	766.60	Tritium WL
	4/25/2007	917.14	150.82	766.32	Tritium WL
	5/31/2007	917.14	150.70	766.44	Tritium WL
APP-5	1/24/2007	912.53	134.20	778.33	Quarterly WQ & Tritium WL
	2/16/2007	912.53	134.39	778.14	CAL Contingency & Tritium WL
	2/26/2007	912.53	134.33	778.20	Qtr WQ
	3/27/2007	912.53	134.05	778.48	Tritium WL
	4/25/2007	912.53	134.03	778.50	Tritium WL
	5/31/2007	912.53	133.95	778.58	Tritium WL
	6/12/2007	912.53	134.11	778.42	Quarterly WQ
	8/2/2007	912.53	133.99	778.54	Quarterly WQ
	8/8/2007	912.53	134.06	778.47	Discretionary WL
	11/1/2007	912.53	133.70	778.83	Qtrly WQ

TABLE 1A-1. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
APP-6	1/17/2007	920.80	189.02	731.78	Quarterly WQ & Tritium WL
	2/15/2007	920.80	189.06	731.74	CAL Contingency & Tritium WL
	3/6/2007	920.80	190.81	729.99	Quarterly WQ
	3/7/2007	920.80	192.03	728.77	Tritium WL
	4/25/2007	920.80	190.86	729.94	Tritium WL
	5/31/2007	920.80	190.82	729.98	Tritium WL
	6/11/2007	920.80	190.98	729.82	Quarterly WQ
	8/8/2007	920.80	191.46	729.34	Discretionary WL
	8/16/2007	920.80	191.53	729.27	Quarterly WQ
	11/13/2007	920.80	192.35	728.45	Qtrly WQ
APP-7	1/22/2007	970.63	127.50	843.13	Tritium WL
	2/2/2007	970.63	125.61	845.02	Tritium WL
	3/15/2007	970.63	126.87	843.76	Quarterly WQ, Tritium WL
	4/25/2007	970.63	126.68	843.95	Tritium WL from transducer
	5/15/2007	970.63	126.68	843.95	Tritium WL from transducer
	6/28/2007	970.63	126.88	843.75	Quarterly WQ, Tritium WL
	9/18/2007	970.63	127.00	843.63	Quarterly WQ
	11/19/2007	970.63	127.32	843.31	Qtrly WQ
APP-8	1/24/2007	948.57	98.30	850.27	Tritium WL
	2/2/2007	948.57	98.29	850.28	Tritium WL
	2/8/2007	948.57	98.35	850.22	Quarterly WQ
	3/27/2007	948.57	97.21	851.36	Tritium WL
	4/24/2007	948.57	98.49	850.08	Tritium WL
	5/3/2007	948.57	98.33	850.24	Quarterly WQ
	5/31/2007	948.57	98.47	850.10	Tritium WL
	6/21/2007	948.57	98.63	849.94	Tritium WL
	7/25/2007	948.57	98.81	849.76	Quarterly WQ
	10/30/2007	948.57	99.01	849.56	Qtrly WQ
APP-9	1/19/2007	952.00	91.80	860.2	Ambient Monitoring
	2/22/2007	952.00	90.01	861.99	Ambient Monitoring
	3/16/2007	952.00	92.13	859.87	Ambient Monitoring
	4/12/2007	952.00	92.21	859.79	Ambient Monitoring
	4/25/2007	952.20	91.79	860.41	Ambient Monitoring
	5/7/2007	952.00	92.08	859.92	Ambient Monitoring
	6/26/2007	952.00	92.23	859.77	Ambient Monitoring
	7/18/2007	952.00	92.15	859.85	Ambient Monitoring
	8/9/2007	952.00	92.37	859.63	Ambient Monitoring
	9/5/2007	952.00	92.50	859.5	Ambient Monitoring
	10/9/2007	952.00	92.64	859.36	Ambient Monitoring

TABLE 1A-1. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
APP-10	1/19/2007	956.27	114.29	841.98	Ambient Monitoring
	2/22/2007	956.27	114.04	842.23	Ambient Monitoring
	3/16/2007	956.27	114.04	842.23	Ambient Monitoring
	4/12/2007	956.27	114.03	842.24	Ambient Monitoring
	4/25/2007	956.47	113.16	843.31	Ambient Monitoring
	5/7/2007	956.27	113.98	842.29	Ambient Monitoring
	6/26/2007	956.27	113.76	842.51	Ambient Monitoring
	7/18/2007	956.27	113.40	842.87	Ambient Monitoring
	8/9/2007	956.27	113.50	842.77	Ambient Monitoring
	9/5/2007	956.27	113.50	842.77	Ambient Monitoring
	10/9/2007	956.27	113.37	842.9	Ambient Monitoring
APP-11	1/19/2007	950.47	68.89	881.58	Ambient Monitoring
	2/22/2007	950.47	69.30	881.17	Ambient Monitoring
	3/16/2007	950.47	69.73	880.74	Ambient Monitoring
	4/12/2007	950.47	69.79	880.68	Ambient Monitoring
	4/25/2007	950.47	69.25	881.22	Ambient Monitoring
	5/7/2007	950.47	69.78	880.69	Ambient Monitoring
	6/26/2007	950.47	69.88	880.59	Ambient Monitoring
	7/18/2007	950.47	69.90	880.57	Ambient Monitoring
	8/9/2007	950.47	70.03	880.44	Ambient Monitoring
	9/5/2007	950.47	70.04	880.43	Ambient Monitoring
	10/9/2007	950.47	69.96	880.51	Ambient Monitoring
PV-14H	1/17/2007	922.01	58.08	863.93	Tritium WL
	2/15/2007	922.01	57.32	864.69	CAL Contingency WL
	3/7/2007	922.01	57.18	864.83	Quarterly & CAL Contingency, Tritium WL
	5/1/2007	922.01	57.11	864.90	Discretionary WL
	5/31/2007	922.01	57.12	864.89	Tritium WL
	6/22/2007	922.01	57.21	864.80	Quarterly & CAL Contingency, Tritium WL
	8/8/2007	922.01	57.35	864.66	CAL Contingency WL
	8/17/2007	922.01	57.42	864.59	Quarterly & CAL Contingency
	8/24/2007	922.01	57.54	864.47	WL check bc 14HB WL on 8/17 suspect
	11/16/2007	922.01	57.53	864.48	Qtrly WQ
PV-14HB	1/17/2007	921.81	56.26	865.55	Verification sampling of Contingency B well, Tritium WL
	2/15/2007	921.81	56.44	865.37	CAL Contingency WL
	3/7/2007	921.81	56.78	865.03	Quarterly & CAL Contingency, Tritium WL
	4/24/2007	921.81	56.41	865.40	Tritium WL, CAL Contingency WL
	5/31/2007	921.81	56.36	865.45	Tritium WL
	6/22/2007	921.81	56.37	865.44	Quarterly & CAL Contingency, Tritium WL
	8/8/2007	921.81	56.49	865.32	CAL Contingency WL
	8/24/2007	921.81	56.71	865.10	WL check - Quarterly
PV-173	5/17/2007	952.30		Dry	Discretionary
PV-174	5/3/2007	955.75	59.69	896.06	Discretionary WL
	5/4/2007	955.75	59.69	896.06	

TABLE 1A-1. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-183	1/22/2007	951.70	51.77	899.93	Tritium WL
	2/2/2007	951.70	51.71	899.99	Tritium WL
	3/27/2007	951.70	51.81	899.89	Tritium WL
	4/26/2007	951.70	52.17	899.53	Tritium WL
	5/31/2007	951.70	52.61	899.09	Tritium WL
PV-191A	4/23/2007	943.60		Dry	Discretionary WL
	8/8/2007	943.60		Dry	Discretionary WL
	12/6/2007	943.60		Dry	Discretionary WL
PV-191B	4/23/2007	943.60		Dry	Discretionary WL
	8/8/2007	943.60		Dry	Discretionary WL
PV-192A	5/1/2007	943.31	94.80	848.51	Discretionary WL
	8/2/2007	943.31	94.90	848.41	Discretionary WL
	8/8/2007	943.31	94.96	848.35	Discretionary WL
PV-192B	4/23/2007	943.11	94.79	848.32	Discretionary WL
	5/1/2007	943.11	94.62	848.49	Discretionary WL
	8/8/2007	943.11	94.82	848.29	Discretionary WL
PV-193A	1/30/2007	943.71	79.48	864.23	Tritium WL
	2/15/2007	943.71	79.91	863.80	Quarterly WQ
	2/16/2007	943.71	80.10	863.61	CAL Contingency WL
	3/23/2007	943.71	79.76	863.95	Tritium WL
	4/2/2007	943.71	79.54	864.17	Verification sampling for F, Tritium WL
	4/24/2007	943.71	79.72	863.99	CAL Contingency WL
	5/23/2007	943.71	79.51	864.20	Tritium WL
	6/11/2007	943.71	79.57	864.14	Quarterly WQ
	7/12/2007	943.71	79.57	864.14	Verification of F
	7/26/2007	943.71	79.72	863.99	Quarterly IAL WQ
	8/8/2007	943.71	79.61	864.10	CAL Contingency WL
	10/2/2007	943.71	79.93	863.78	Quarterly WQ, sounder measurement
PV-193B	1/30/2007	943.61	77.10	866.51	Tritium WL
	2/16/2007	943.61	80.20	863.41	CAL Contingency WL
	3/23/2007	943.61	77.29	866.32	Tritium WL
	4/3/2007	943.61	80.04	863.57	Verification sampling for F, Tritium WL
	4/24/2007	943.61	80.07	863.54	CAL Contingency WL
	5/23/2007	943.61	79.82	863.79	Tritium WL
	7/12/2007	943.61	79.86	863.75	Verification of F in 193A
	8/8/2007	943.61	79.88	863.73	CAL Contingency WL
	10/2/2007	943.61	80.19	863.42	CAL Contingency WQ
PV-195A	1/23/2007	921.71	48.00	873.71	Verification sampling, Tritium WL
	2/15/2007	921.71	48.02	873.69	CAL Contingency & Tritium WL
	3/8/2007	921.71	47.87	873.84	Quarterly & CAL Contingency, Tritium WL
	4/24/2007	921.71	47.99	873.72	Tritium WL, CAL Contingency WL
	5/31/2007	921.71	47.93	873.78	Tritium WL
	6/28/2007	921.71	48.12	873.59	Quarterly & CAL Contingency, Tritium WL
	8/8/2007	921.71	48.10	873.61	CAL Contingency WL
	8/28/2007	921.71	48.15	873.56	Quarterly CAL Contingency
	11/16/2007	921.71	48.31	873.40	Qtrly WQ

TABLE 1A-1. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-195B	1/23/2007	922.11	49.20	872.91	Verification sampling, Tritium WL
	2/15/2007	922.11	47.93	874.18	CAL Contingency & Tritium WL
	3/8/2007	922.11	49.54	872.57	Quarterly & CAL Contingency, Tritium WL
	4/24/2007	922.11	47.85	874.26	Tritium WL, CAL Contingency WL
	5/31/2007	922.11	47.81	874.30	Tritium WL
	6/28/2007	922.11	47.94	874.17	Quarterly & CAL Contingency, Tritium WL
	8/8/2007	922.11	47.92	874.19	CAL Contingency WL
	8/28/2007	922.11	47.98	874.13	Quarterly & CAL Contingency
PV-196A	2/16/2007	906.01		Dry	Discretionary WL
	4/23/2007	906.01		Dry	Discretionary WL
	5/1/2007	906.01		Dry	Discretionary WL
PV-196B	2/16/2007	906.11	78.19	827.92	Discretionary WL
PV-197A	2/15/2007	898.91		Dry	Discretionary WL
PV-197B	2/15/2007	899.31	59.31	840.00	Discretionary WL
PV-198AR	1/24/2007	931.48	73.22	858.26	Tritium WL
	2/9/2007	931.48	73.41	858.07	Qtr Sampling & CAL Contingency
	2/15/2007	931.48	73.28	858.20	CAL Contingency WL
	3/27/2007	931.48	73.51	857.97	Tritium WL
	4/23/2007	931.48	73.66	857.82	Tritium WL, CAL Contingency WL
	5/8/2007	931.48	73.83	857.65	Qtr Sampling & CAL Contingency, Tritium WL
	6/21/2007	931.48	74.01	857.47	Tritium WL
	7/26/2007	931.48	74.26	857.22	Qtr Sampling & CAL Contingency
	8/8/2007	931.48	74.25	857.23	CAL Contingency WL
	10/31/2007	931.48	74.70	856.78	Qtrly WQ
PV-198B	2/9/2007	930.41	71.45	858.96	Qtr WQ & CAL Contingency, WL below pump
	2/15/2007	930.41	71.55	858.86	CAL Contingency WL
	4/25/2007	930.41	71.48	858.93	CAL Contingency WL
	5/8/2007	930.41	71.48	858.93	Qtr WQ & CAL Contingency, not enough water to sample
	8/2/2007	930.41	74.10	856.31	Qtr WQ & CAL Contingency sample attempt, WL verification
PV-201A	2/15/2007	942.51	47.84	894.67	CAL Contingency WL
	4/23/2007	942.51	47.74	894.77	CAL Contingency WL
	8/8/2007	942.51	49.13	893.38	CAL Contingency WL
PV-201B	2/15/2007	942.51	47.90	894.61	CAL Contingency WL
	4/23/2007	942.51	47.68	894.83	CAL Contingency WL
	8/8/2007	942.51	49.09	893.42	CAL Contingency WL
PV-202A	1/30/2007	941.93	70.98	870.95	Tritium WL
	2/15/2007	941.93	70.98	870.95	CAL Contingency & Tritium WL
	3/27/2007	941.93	70.98	870.95	Tritium WL
	4/19/2007	941.93	71.13	870.80	Tritium WL
	4/23/2007	941.93	71.09	870.84	CAL Contingency WL
	5/31/2007	941.93	71.09	870.84	Tritium WL
	8/8/2007	941.93	71.16	870.77	CAL Contingency WL

TABLE 1A-1. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-202B	1/30/2007	942.05	70.96	871.09	Tritium WL
	2/15/2007	942.05	71.21	870.84	CAL Contingency & Tritium WL
	3/27/2007	942.05	70.91	871.14	Tritium WL
	4/19/2007	942.05	71.21	870.84	Tritium WL
	5/31/2007	942.05	71.10	870.95	Tritium WL
	8/8/2007	942.05	71.19	870.86	CAL Contingency WL
PV-203A	2/16/2007	942.14	70.02	872.12	Discretionary WL
	4/23/2007	942.14	69.91	872.23	Discretionary WL
	8/8/2007	942.14	70.25	871.89	Discretionary WL
PV-203B	8/8/2007	942.26	70.72	871.54	Discretionary WL
PV-204A	2/15/2007	943.62	57.35	886.27	CAL Contingency WL
	5/1/2007	943.62	57.28	886.34	CAL Contingency WL
	8/8/2007	943.62	57.64	885.98	CAL Contingency WL
PV-204B	2/15/2007	943.88	58.28	885.60	CAL Contingency WL
	5/1/2007	943.88	58.28	885.60	CAL Contingency WL
	8/8/2007	943.88	58.71	885.17	CAL Contingency WL
PV-205A	2/16/2007	907.23	69.65	837.58	Discretionary WL
	4/25/2007	907.23	69.27	837.96	Discretionary WL
	8/8/2007	907.23	69.21	838.02	Discretionary WL
PV-205B	2/16/2007	907.14	84.81	822.33	Discretionary WL
PV-206A	1/24/2007	947.91	80.02	867.89	Tritium WL
	2/8/2007	947.91	80.15	867.76	Qtrly Contingency & Tritium
	2/16/2007	947.91	80.26	867.65	CAL Contingency WL
	3/27/2007	947.91	80.37	867.54	Tritium WL
	4/24/2007	947.91	80.41	867.50	Tritium WL, CAL Contingency WL
	5/11/2007	947.91	80.39	867.52	recheck water level for Qtr CAL Cont WQ & WL
	5/31/2007	947.91	80.34	867.57	Tritium WL
	6/21/2007	947.91	80.46	867.45	Tritium WL
	7/20/2007	947.91	80.57	867.34	Qtr WQ & CAL Contingency
	8/9/2007	947.91	80.66	867.25	CAL Contingency WL
	10/30/2007	947.91	80.77	867.14	Qtrly WQ
PV-206B	1/24/2007	947.68	79.61	868.07	Tritium WL
	2/8/2007	947.68	81.54	866.14	Qtrly Contingency & Tritium, pump broken
	2/14/2007	947.68	79.79	867.89	Qtr WQ & CAL Contingency, pump replaced
	2/16/2007	947.68	79.77	867.91	CAL Contingency WL
	3/27/2007	947.68	79.93	867.75	Tritium WL
	4/24/2007	947.68	80.03	867.65	Tritium WL, CAL Contingency WL
	5/2/2007	947.68	79.92	867.76	Quarterly & CAL Contingency, Tritium WL
	5/31/2007	947.68	80.03	867.65	Tritium WL
	6/21/2007	947.68	80.11	867.57	Tritium WL
	7/20/2007	947.68	80.22	867.46	CAL Contingency WQ & WL
	8/9/2007	947.68	80.30	867.38	CAL Contingency WL
PV-207A	8/16/2007	967.24		Dry	Discretionary

TABLE 1A-1. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-216R	2/12/2007	891.01	195.51	695.50	Subsidence Program Measurement
	4/23/2007	891.01	194.83	696.18	Subsidence Program Measurement
	7/10/2007	891.01	195.88	695.13	Subsidence Program Measurement
	10/11/2007	891.01	197.74	693.27	Subsidence Program Measurement
PV-21H	1/24/2007	962.10	72.41	889.69	Tritium WL
	2/2/2007	962.10	72.51	889.59	Tritium WL
	3/27/2007	962.10	72.73	889.37	Tritium WL
	4/24/2007	962.10	72.86	889.24	Tritium WL
	5/31/2007	962.10	72.73	889.37	Tritium WL
PV-21HA	1/24/2007	961.00		Dry	Tritium WL
	2/2/2007	961.00		Dry	Tritium WL
	3/27/2007	961.00		Dry	Tritium WL
	4/24/2007	961.00		Dry	Tritium WL
	5/31/2007	961.00		Dry	Tritium WL
PV-21HB	1/24/2007	961.70	71.93	889.77	Tritium WL
	2/2/2007	961.70	72.06	889.64	Tritium WL
	3/27/2007	961.70	72.26	889.44	Tritium WL
	4/24/2007	961.70	72.38	889.32	Tritium WL
	5/31/2007	961.70	72.21	889.49	Tritium WL
PV-24H	1/24/2007	947.00	57.98	889.02	Tritium WL
	2/2/2007	947.00	56.93	890.07	Tritium WL
	3/27/2007	947.00	57.88	889.12	Tritium WL
	4/24/2007	947.00	58.15	888.85	Tritium WL
	5/31/2007	947.00	58.08	888.92	Tritium WL
	6/21/2007	947.00	58.11	888.89	Tritium WL
	8/9/2007	947.00	58.28	888.72	Discretionary WL
	8/28/2007	947.00	58.24	888.76	Discretionary WL
PV-24HA	1/24/2007	940.71		Dry	Tritium WL
	2/2/2007	940.71		Dry	Tritium WL
	3/27/2007	940.71		Dry	Tritium WL
	4/24/2007	940.71		Dry	Tritium WL
	5/31/2007	940.71		Dry	Tritium WL
	6/21/2007	940.71		Dry	Tritium WL
	8/9/2007	940.71		Dry	Discretionary WL
PV-24HB	2/2/2007	940.91	52.73	888.18	Tritium WL
	3/27/2007	940.91	52.66	888.25	Tritium WL
	4/24/2007	940.91	52.92	887.99	Tritium WL
	5/31/2007	940.91	52.86	888.05	Tritium WL
	6/21/2007	940.91	53.02	887.89	Tritium WL
	8/9/2007	940.91	53.29	887.62	Discretionary WL
PV-25HA	1/22/2007	942.10	57.11	884.99	Tritium WL
	2/23/2007	942.10	56.74	885.36	Tritium WL Recheck
	3/27/2007	942.10	56.69	885.41	Tritium WL
	4/26/2007	942.10	56.82	885.28	Tritium WL
	5/31/2007	942.10	56.99	885.11	Tritium WL

TABLE 1A-1. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-25HB	1/22/2007	942.20		Dry	Tritium WL
	2/2/2007	942.20		Dry	Tritium WL
	3/27/2007	942.20		Dry	Tritium WL
	4/26/2007	942.20		Dry	Tritium WL
	5/31/2007	942.20		Dry	Tritium WL
PV-28H	4/26/2007	931.08		Dry	Discretionary WL
PV-28HA	4/26/2007	930.91		Dry	Discretionary WL
	8/8/2007	930.91		Dry	Discretionary WL
PV-28HB	4/26/2007	930.81	44.12	886.69	Discretionary WL
	8/8/2007	930.81	45.48	885.33	Discretionary WL
PV-29H	4/26/2007	928.70		Dry	Discretionary WL
PV-29HA	4/26/2007	928.80		Dry	Discretionary WL
	8/8/2007	928.80		Dry	Discretionary WL
PV-29HB	4/26/2007	928.40	47.32	881.08	Discretionary WL
	5/1/2007	928.40	47.38	881.02	Discretionary WL
	8/8/2007	928.40	47.98	880.42	Discretionary WL
PV-33H	1/24/2007	916.71	44.86	871.85	Tritium WL
	2/15/2007	916.71	43.99	872.72	CAL Contingency WL
	2/26/2007	916.71	43.98	872.73	Quarterly WQ
	3/27/2007	916.71	43.89	872.82	Tritium WL
	4/11/2007	916.71	43.96	872.75	attempt Verification sample for K, pump broken, Tritium WL
	4/18/2007	916.71	42.33	874.38	Verification sample for K
	4/24/2007	916.71	44.08	872.63	CAL Contingency WL
	5/23/2007	916.71	44.32	872.39	Tritium WL
	6/5/2007	916.71	44.11	872.60	2nd Verification sample
PV-33HB	2/15/2007	917.01	44.42	872.59	CAL Contingency WL
	4/18/2007	917.01	44.41	872.60	Verification sample for K
	4/24/2007	917.01	44.42	872.59	CAL Contingency WL
	6/5/2007	917.01	45.23	871.78	2nd Verification sample
PV-34H	1/24/2007	911.51	44.04	867.47	Quarterly WQ & Tritium WL
	2/15/2007	911.51	44.41	867.10	CAL Contingency WL
	2/26/2007	911.51	44.41	867.10	Qtrly WQ, pump broken
	3/6/2007	911.51	44.21	867.30	Qrtly WQ, pump replaced
	3/7/2007	911.51	44.28	867.23	Tritium WL
	4/3/2007	911.51	44.19	867.32	Verification sampling for K, Tritium WL
	4/24/2007	911.51	44.18	867.33	CAL Contingency WL
	5/31/2007	911.51	44.21	867.30	Tritium WL
	6/11/2007	911.51	44.29	867.22	Quarterly CAL WQ, Tritium WL
	6/20/2007	911.51	43.78	867.73	Quarterly WQ pick up missed NO3 and TTHM
	7/20/2007	911.51	44.46	867.05	WL verification
	8/2/2007	911.51	44.51	867.00	Quarterly CAL WQ
	8/8/2007	911.51	44.42	867.09	CAL Contingency WL
	11/13/2007	911.51	44.94	866.57	Qtrly WQ

TABLE 1A-1. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-34HB	2/15/2007	910.51	42.78	867.73	CAL Contingency WL
	4/4/2007	910.51	42.85	867.66	Attempt verification sampling for K
	4/24/2007	910.51	42.79	867.72	CAL Contingency WL
	7/12/2007	910.51	43.04	867.47	WL verification
	7/20/2007	910.51	43.13	867.38	WL verification
	8/2/2007	910.51	43.38	867.13	Qtrly WQ attempt, pump works, not enough wtr to sample
	8/9/2007	910.51		Dry	CAL Contingency WL
PV-Q1	1/24/2007	954.90		Dry	Tritium WL
	2/2/2007	954.90		Dry	Tritium WL
	3/27/2007	954.90		Dry	Tritium WL
	4/24/2007	954.90		Dry	Tritium WL
	5/31/2007	954.90		Dry	Tritium WL
PV-Q3	1/5/2007	949.95		Dry	Tritium WL
	1/12/2007	949.95		Dry	Tritium WL
	1/19/2007	949.95		Dry	Tritium WL
	1/26/2007	949.95		Dry	Tritium WL
	2/2/2007	949.95		Dry	Tritium WL
	2/9/2007	949.95		Dry	Tritium WL
	2/14/2007	949.95		Dry	Tritium WL
	2/22/2007	949.95		Dry	Tritium WL
	3/2/2007	949.95		Dry	Tritium WL
	3/8/2007	949.95		Dry	Tritium WL
	3/16/2007	949.95		Dry	Tritium WL
	3/20/2007	949.95		Dry	Tritium WL
	3/30/2007	949.95		Dry	Tritium WL
	4/6/2007	949.95		Dry	Tritium WL
	4/13/2007	949.95		Dry	Tritium WL
	4/19/2007	949.95		Dry	Tritium WL
	4/27/2007	949.95		Dry	Tritium WL
	5/4/2007	949.95		Dry	Tritium WL
	5/10/2007	949.95		Dry	Tritium WL
	5/18/2007	949.95		Dry	Tritium WL
	5/25/2007	949.95		Dry	Tritium WL
	6/1/2007	949.95		Dry	Tritium WL
	6/8/2007	949.95		Dry	Tritium WL
	6/16/2007	949.95		Dry	Tritium WL
	6/22/2007	949.95		Dry	Tritium WL
PV-Q5	4/23/2007	938.31	56.03	882.28	Discretionary WL
	8/8/2007	938.31	56.57	881.74	Discretionary WL

TABLE 1A-1. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-Q8	1/24/2007	923.8	78.61	845.19	Tritium WL
	2/14/2007	923.8	78.57	845.23	Qtr WQ, pump broken
	2/16/2007	923.8	78.67	845.13	CAL Contingency WL
	2/22/2007	923.8	78.36	845.44	Qtr WQ, replaced pump, WL on 2/22/07
	3/27/2007	923.8	78.36	845.44	Tritium WL
	4/23/2007	923.8	78.53	845.27	Tritium WL, CAL Contingency WL
	5/29/2007	923.8	78.53	845.27	Qtrly WQ, Tritium WL
	6/21/2007	923.8	78.53	845.27	Tritium WL
	7/26/2007	923.8	78.64	845.16	Qtrly WQ
	8/8/2007	923.8	78.57	845.23	CAL Contingency WL
	10/31/2007	923.8	78.76	845.04	Qtrly WQ
PV-R2AR	1/22/2007	961.15	72.89	888.26	Tritium WL
	2/2/2007	961.15	72.09	889.06	Tritium WL
	2/15/2007	961.15	72.31	888.84	CAL Contingency WL
	3/16/2007	961.15	71.97	889.18	Quarterly WQ
	4/24/2007	961.15	71.71	889.44	Tritium WL, CAL Contingency WL
	5/15/2007	961.15	71.60	889.55	Tritium WL from TROLL
	6/28/2007	961.15	71.66	889.49	Quarterly WQ & Tritium WL
	8/9/2007	961.15	71.88	889.27	CAL Contingency WL (sounder)
	9/18/2007	961.15	72.20	888.95	Quarterly WQ (sounder)
	11/19/2007	961.15	72.72	888.43	Qtrly WQ
U5-PTWA	2/15/2007	930.75		Dry	CAL Contingency WL
	4/23/2007	930.75		Dry	CAL Contingency WL
	8/8/2007	930.75		Dry	CAL Contingency WL
U5-PTWB	2/15/2007	930.81	42.96	887.85	CAL Contingency WL
	4/23/2007	930.81	43.01	887.80	CAL Contingency WL
	8/8/2007	930.81	43.44	887.37	CAL Contingency WL

IAL = Indicator Alert Level
CAL = Contingency Alert Level
ft amsl = feet above mean sea level
ft bmp = feet below measuring point
WL = Water Level
WQ = Water Quality

TABLE 1A-2 WATER QUALITY DATA FOR WELL APP-3

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/15/2007	pH	SU	7.98	AL	<6, >9	Quarterly	NE
	pH	SU	7.98	AQL	NE	Quarterly	NE
	Specific Conductance	umhos/cm	2800			Quarterly	NE
	Ion Balance	%	-3.1	AL	NE	Quarterly	NE
	Ion Balance	%	-3.1	AQL	NE	Quarterly	NE
	Alkalinity	mg/L	170			Quarterly	NE
	Calcium, Dissolved	mg/L	24			Quarterly	NE
	Magnesium, Dissolved	mg/L	13			Quarterly	NE
	Sodium, Dissolved	mg/L	500			Quarterly	NE
	Antimony (dissolved)	mg/L	<0.002	AL	Resd	Quarterly	0.006
	Antimony (dissolved)	mg/L	<0.002	AQL	Resd	Quarterly	0.006
	Arsenic (dissolved)	mg/L	0.024	AL	Resd	Quarterly	0.05
	Arsenic (dissolved)	mg/L	0.024	AQL	Resd	Quarterly	0.05
	Barium (dissolved)	mg/L	0.034	AL	Resd	Quarterly	2
	Barium (dissolved)	mg/L	0.034	AQL	Resd	Quarterly	2
	Boron, Dissolved	mg/L	1.3	AL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	1.3	AQL	NE	Quarterly	NE
	Beryllium, Dissolved	mg/L	<0.0005	AL	Resd	Quarterly	0.004
	Beryllium, Dissolved	mg/L	<0.0005	AQL	Resd	Quarterly	0.004
	Cadmium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Cadmium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Chromium (dissolved)	mg/L	0.079	AL	Resd	Quarterly	0.1
	Chromium (dissolved)	mg/L	0.079	AQL	Resd	Quarterly	0.1
	Chloride	mg/L	640	AL	Resd	Quarterly	NE
	Chloride	mg/L	640	AQL	NE	Quarterly	NE
	Fluoride	mg/L	6.1	AL	Resd	Quarterly	4
	Fluoride	mg/L	6.1	AQL	Resd	Quarterly	4
	Lead, Dissolved	mg/L	<0.001	AL	Resd	Quarterly	0.05
	Lead, Dissolved	mg/L	<0.001	AQL	Resd	Quarterly	0.05
	Mercury, Dissolved	mg/L	<0.0002	AL	Resd	Reanalysis	0.002
	Mercury, Dissolved	mg/L	<0.0002	AQL	Resd	Reanalysis	0.002
	Nickel, Dissolved	mg/L	0.0078	AL	Resd	Quarterly	0.1
	Nickel, Dissolved	mg/L	0.0078	AQL	Resd	Quarterly	0.1
	Nitrate/Nitrite-N	mg/L	7.4	AL	Resd	Quarterly	10
	Nitrate/Nitrite-N	mg/L	7.4	AQL	Resd	Quarterly	10
	Potassium, Dissolved	mg/L	3.6	AL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	3.6	AQL	NE	Quarterly	NE
	Selenium (dissolved)	mg/L	0.0041	AL	Resd	Quarterly	0.05
	Selenium (dissolved)	mg/L	0.0041	AQL	Resd	Quarterly	0.05
	Sulfate	mg/L	180	AL	Resd	Quarterly	NE
	Sulfate	mg/L	180	AQL	NE	Quarterly	NE
	Total Dissolved Solids	mg/L	1500	AL	Resd	Quarterly	NE
	Total Dissolved Solids	mg/L	1500	AQL	NE	Quarterly	NE
	Thallium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Thallium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Benzene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Benzene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Benzo(a)pyrene	mg/L	<0.00002	AL	Resd	Quarterly	0.0002
	Benzo(a)pyrene	mg/L	<0.00002	AQL	Resd	Quarterly	0.0002
	Carbon Tetrachloride	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Carbon Tetrachloride	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,2-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.6

TABLE 1A-2 WATER QUALITY DATA FOR WELL APP-3

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/15/2007	1,2-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.6
	1,4-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.075
	1,4-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.075
	1,2-Dichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,1-Dichloroethene	mg/L	<0.002	AL	Resd	Quarterly	0.007
	1,1-Dichloroethene	mg/L	<0.002	AQL	Resd	Quarterly	0.007
	cis-1,2-Dichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	cis-1,2-Dichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	trans-1,2-Dichloroethylene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	trans-1,2-Dichloroethylene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	1,2-Dichloropropane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloropropane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Methylene chloride	mg/L	<0.005	AL	Resd	Quarterly	0.005
	Methylene chloride	mg/L	<0.005	AQL	Resd	Quarterly	0.005
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AL	Resd	Quarterly	0.4
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AQL	Resd	Quarterly	0.4
	Bis(2-ethylhexyl)phthalate	mg/L	<0.0006	AL	Resd	Quarterly	0.006
	Bis(2-ethylhexyl)phthalate	mg/L	<0.0006	AQL	Resd	Quarterly	0.006
	Ethylbenzene	mg/L	<0.002	AL	Resd	Quarterly	0.7
	Ethylbenzene	mg/L	<0.002	AQL	Resd	Quarterly	0.7
	Hexachlorobenzene	mg/L	<0.0001	AL	Resd	Quarterly	0.001
	Hexachlorobenzene	mg/L	<0.0001	AQL	Resd	Quarterly	0.001
	Hexachlorocyclopentadiene	mg/L	<0.0001	AL	Resd	Quarterly	0.05
	Hexachlorocyclopentadiene	mg/L	<0.0001	AQL	Resd	Quarterly	0.05
	Chlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Chlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	Pentachlorophenol	mg/L	<0.00004	AL	Resd	Quarterly	0.001
	Pentachlorophenol	mg/L	<0.00004	AQL	Resd	Quarterly	0.001
	Styrene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Styrene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	2,3,7,8-TCDD	mg/L	<0.000000005	AL	Resd	Quarterly	0.00000003
	2,3,7,8-TCDD	mg/L	<0.000000005	AQL	Resd	Quarterly	0.00000003
	Tetrachloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Tetrachloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Toluene	mg/L	<0.002	AL	Resd	Quarterly	1
	Toluene	mg/L	<0.002	AQL	Resd	Quarterly	1
	Total Trihalomethanes	mg/L	<0.005	AL	Resd	Quarterly	0.1
	Total Trihalomethanes	mg/L	<0.005	AQL	Resd	Quarterly	0.1
	1,2,4-Trichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	1,2,4-Trichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	1,1,1-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.2
	1,1,1-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.2
	1,1,2-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,1,2-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Vinyl chloride	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Vinyl chloride	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Total Xylenes	mg/L	<0.003	AL	Resd	Quarterly	10
	Total Xylenes	mg/L	<0.003	AQL	Resd	Quarterly	10
	Tritium	pCi/L	<3000	AL	3000	Quarterly	20000

TABLE 1A-2 WATER QUALITY DATA FOR WELL APP-3

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/15/2007	Tritium	pCi/L	<3000	AQL	20000	Quarterly	20000
	Iodine-131	pCi/L	<90	AL	90	Quarterly	100
	Iodine-131	pCi/L	<90	AQL	100	Quarterly	100
	Cesium-134	pCi/L	<67.5	AL	67.5	Quarterly	75
	Cesium-134	pCi/L	<67.5	AQL	75	Quarterly	75
	Cesium-137	pCi/L	<99	AL	99	Quarterly	110
	Cesium-137	pCi/L	<99	AQL	110	Quarterly	110
	Cobalt-60	pCi/L	<180	AL	180	Quarterly	200
	Cobalt-60	pCi/L	<180	AQL	200	Quarterly	200
6/11/2007	pH	SU	8.19	AL	<6, >9	Quarterly	NE
	pH	SU	8.19	AQL	NE	Quarterly	NE
	Specific Conductance	umhos/cm	2500			Quarterly	NE
	Ion Balance	%	5.9	AL	NE	Quarterly	NE
	Ion Balance	%	5.9	AQL	NE	Quarterly	NE
	Alkalinity	mg/L	180			Quarterly	NE
	Calcium	mg/L	23			Quarterly	NE
	Calcium, Dissolved	mg/L	22			Quarterly	NE
	Magnesium	mg/L	13			Quarterly	NE
	Magnesium, Dissolved	mg/L	13			Quarterly	NE
	Sodium	mg/L	470			Quarterly	NE
	Sodium, Dissolved	mg/L	510			Quarterly	NE
	Mercury	mg/L	<0.0002	AL	Resd	Quarterly	0.002
	Mercury	mg/L	<0.0002	AQL	Resd	Quarterly	0.002
	Antimony	mg/L	<0.002	AL	Resd	Quarterly	0.006
	Antimony	mg/L	<0.002	AQL	Resd	Quarterly	0.006
	Antimony (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.006
	Antimony (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.006
	Arsenic	mg/L	0.023	AL	Resd	Quarterly	0.05
	Arsenic	mg/L	0.023	AQL	Resd	Quarterly	0.05
	Arsenic (dissolved)	mg/L	0.023	AL	Resd	Quarterly	0.05
	Arsenic (dissolved)	mg/L	0.023	AQL	Resd	Quarterly	0.05
	Barium	mg/L	0.037	AL	Resd	Quarterly	2
	Barium	mg/L	0.037	AQL	Resd	Quarterly	2
	Barium (dissolved)	mg/L	0.03	AL	Resd	Quarterly	2
	Barium (dissolved)	mg/L	0.03	AQL	Resd	Quarterly	2
	Boron	mg/L	1.3	AL	Resd	Quarterly	NE
	Boron	mg/L	1.3	AQL	NE	Quarterly	NE
	Boron, Dissolved	mg/L	1.4	AL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	1.4	AQL	NE	Quarterly	NE
	Beryllium	mg/L	<0.0005	AL	Resd	Quarterly	0.004
	Beryllium	mg/L	<0.0005	AQL	Resd	Quarterly	0.004
	Beryllium, Dissolved	mg/L	<0.00021	AL	Resd	Quarterly	0.004
	Beryllium, Dissolved	mg/L	<0.00021	AQL	Resd	Quarterly	0.004
	Cadmium	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Cadmium	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Cadmium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Cadmium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Chromium	mg/L	0.066	AL	Resd	Quarterly	0.1
	Chromium	mg/L	0.066	AQL	Resd	Quarterly	0.1
	Chromium (dissolved)	mg/L	0.064	AL	Resd	Quarterly	0.1
	Chromium (dissolved)	mg/L	0.064	AQL	Resd	Quarterly	0.1
	Chloride	mg/L	510	AL	Resd	Quarterly	NE

TABLE 1A-2 WATER QUALITY DATA FOR WELL APP-3

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
6/11/2007	Chloride	mg/L	510	AQL	NE	Quarterly	NE
	Fluoride	mg/L	5.5	AL	Resd	Quarterly	4
	Fluoride	mg/L	5.5	AQL	Resd	Quarterly	4
	Lead	mg/L	0.0024	AL	Resd	Quarterly	0.05
	Lead	mg/L	0.0024	AQL	Resd	Quarterly	0.05
	Lead, Dissolved	mg/L	<0.001	AL	Resd	Quarterly	0.05
	Lead, Dissolved	mg/L	<0.001	AQL	Resd	Quarterly	0.05
	Mercury, Dissolved	mg/L	<0.0002	AL	Resd	Quarterly	0.002
	Mercury, Dissolved	mg/L	<0.0002	AQL	Resd	Quarterly	0.002
	Nickel	mg/L	0.0059	AL	Resd	Quarterly	0.1
	Nickel	mg/L	0.0059	AQL	Resd	Quarterly	0.1
	Nickel, Dissolved	mg/L	0.0028	AL	Resd	Quarterly	0.1
	Nickel, Dissolved	mg/L	0.0028	AQL	Resd	Quarterly	0.1
	Nitrate/Nitrite-N	mg/L	6.6	AL	Resd	Quarterly	10
	Nitrate/Nitrite-N	mg/L	6.6	AQL	Resd	Quarterly	10
	Potassium	mg/L	3.5	AL	Resd	Quarterly	NE
	Potassium	mg/L	3.5	AQL	NE	Quarterly	NE
	Potassium, Dissolved	mg/L	3.7	AL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	3.7	AQL	NE	Quarterly	NE
	Selenium	mg/L	0.0041	AL	Resd	Quarterly	0.05
	Selenium	mg/L	0.0041	AQL	Resd	Quarterly	0.05
	Selenium (dissolved)	mg/L	0.0047	AL	Resd	Quarterly	0.05
	Selenium (dissolved)	mg/L	0.0047	AQL	Resd	Quarterly	0.05
	Sulfate	mg/L	160	AL	Resd	Quarterly	NE
	Sulfate	mg/L	160	AQL	NE	Quarterly	NE
	Total Dissolved Solids	mg/L	1500	AL	Resd	Quarterly	NE
	Total Dissolved Solids	mg/L	1500	AQL	NE	Quarterly	NE
	Thallium	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Thallium	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Thallium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Thallium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Benzene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Benzene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Benzo(a)pyrene	mg/L	<0.00002	AL	Resd	Quarterly	0.0002
	Benzo(a)pyrene	mg/L	<0.00002	AQL	Resd	Quarterly	0.0002
	Carbon Tetrachloride	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Carbon Tetrachloride	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,2-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.6
	1,2-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.6
	1,4-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.075
	1,4-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.075
	1,2-Dichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,1-Dichloroethene	mg/L	<0.002	AL	Resd	Quarterly	0.007
	1,1-Dichloroethene	mg/L	<0.002	AQL	Resd	Quarterly	0.007
	cis-1,2-Dichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	cis-1,2-Dichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	trans-1,2-Dichloroethylene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	trans-1,2-Dichloroethylene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	1,2-Dichloropropane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloropropane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Methylene chloride	mg/L	<0.005	AL	Resd	Quarterly	0.005

TABLE 1A-2 WATER QUALITY DATA FOR WELL APP-3

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
6/11/2007	Methylene chloride	mg/L	<0.005	AQL	Resd	Quarterly	0.005
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AL	Resd	Quarterly	0.4
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AQL	Resd	Quarterly	0.4
	Bis(2-ethylhexyl)phthalate	mg/L	0.058	AL	Resd	Quarterly	0.006
	Bis(2-ethylhexyl)phthalate	mg/L	0.058	AQL	Resd	Quarterly	0.006
	Ethylbenzene	mg/L	<0.002	AL	Resd	Quarterly	0.7
	Ethylbenzene	mg/L	<0.002	AQL	Resd	Quarterly	0.7
	Hexachlorobenzene	mg/L	<0.0001	AL	Resd	Quarterly	0.001
	Hexachlorobenzene	mg/L	<0.0001	AQL	Resd	Quarterly	0.001
	Hexachlorocyclopentadiene	mg/L	<0.0001	AL	Resd	Quarterly	0.05
	Hexachlorocyclopentadiene	mg/L	<0.0001	AQL	Resd	Quarterly	0.05
	Chlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Chlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	Pentachlorophenol	mg/L	<0.00004	AL	Resd	Quarterly	0.001
	Pentachlorophenol	mg/L	<0.00004	AQL	Resd	Quarterly	0.001
	Styrene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Styrene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	2,3,7,8-TCDD	mg/L	<0.000000005	AL	Resd	Quarterly	0.00000003
	2,3,7,8-TCDD	mg/L	<0.000000005	AQL	Resd	Quarterly	0.00000003
	Tetrachloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Tetrachloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Toluene	mg/L	<0.002	AL	Resd	Quarterly	1
	Toluene	mg/L	<0.002	AQL	Resd	Quarterly	1
	Total Trihalomethanes	mg/L	<0.005	AL	Resd	Quarterly	0.1
	Total Trihalomethanes	mg/L	<0.005	AQL	Resd	Quarterly	0.1
	1,2,4-Trichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	1,2,4-Trichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	1,1,1-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.2
	1,1,1-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.2
	1,1,2-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,1,2-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Vinyl chloride	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Vinyl chloride	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Total Xylenes	mg/L	<0.003	AL	Resd	Quarterly	10
	Total Xylenes	mg/L	<0.003	AQL	Resd	Quarterly	10
	Tritium	pCi/L	<3000	AL	3000	Quarterly	20000
	Tritium	pCi/L	<3000	AQL	20000	Quarterly	20000
	Iodine-131	pCi/L	<90	AL	90	Quarterly	100
	Iodine-131	pCi/L	<90	AQL	100	Quarterly	100
	Cesium-134	pCi/L	<67.5	AL	67.5	Quarterly	75
	Cesium-134	pCi/L	<67.5	AQL	75	Quarterly	75
	Cesium-137	pCi/L	<99	AL	99	Quarterly	110
	Cesium-137	pCi/L	<99	AQL	110	Quarterly	110
	Cobalt-60	pCi/L	<180	AL	180	Quarterly	200
	Cobalt-60	pCi/L	<180	AQL	200	Quarterly	200
7/27/2007	pH	SU	8.07	AL	<6, >9	Quarterly	NE
	pH	SU	8.07	AQL	NE	Quarterly	NE
	Specific Conductance	umhos/cm	2700			Quarterly	NE
	Ion Balance	%	-4.3	AL	NE	Quarterly	NE
	Ion Balance	%	-4.3	AQL	NE	Quarterly	NE

TABLE 1A-2 WATER QUALITY DATA FOR WELL APP-3

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
7/27/2007	Alkalinity	mg/L	160			Quarterly	NE
	Calcium	mg/L	24			Quarterly	NE
	Calcium, Dissolved	mg/L	26			Quarterly	NE
	Magnesium	mg/L	13			Quarterly	NE
	Magnesium, Dissolved	mg/L	14			Quarterly	NE
	Sodium	mg/L	510			Quarterly	NE
	Sodium, Dissolved	mg/L	510			Quarterly	NE
	Mercury	mg/L	<0.0002	AL	Resd	Quarterly	0.002
	Mercury	mg/L	<0.0002	AQL	Resd	Quarterly	0.002
	Antimony	mg/L	<0.003	AL	Resd	Quarterly	0.006
	Antimony	mg/L	<0.003	AQL	Resd	Quarterly	0.006
	Antimony (dissolved)	mg/L	<0.003	AL	Resd	Quarterly	0.006
	Antimony (dissolved)	mg/L	<0.003	AQL	Resd	Quarterly	0.006
	Arsenic	mg/L	0.025	AL	Resd	Quarterly	0.05
	Arsenic	mg/L	0.025	AQL	Resd	Quarterly	0.05
	Arsenic (dissolved)	mg/L	0.027	AL	Resd	Quarterly	0.05
	Arsenic (dissolved)	mg/L	0.027	AQL	Resd	Quarterly	0.05
	Barium	mg/L	0.035	AL	Resd	Quarterly	2
	Barium	mg/L	0.035	AQL	Resd	Quarterly	2
	Barium (dissolved)	mg/L	0.031	AL	Resd	Quarterly	2
	Barium (dissolved)	mg/L	0.031	AQL	Resd	Quarterly	2
	Boron	mg/L	1.3	AL	Resd	Quarterly	NE
	Boron	mg/L	1.3	AQL	NE	Quarterly	NE
	Boron, Dissolved	mg/L	1.4	AL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	1.4	AQL	NE	Quarterly	NE
	Beryllium	mg/L	<0.001	AL	Resd	Quarterly	0.004
	Beryllium	mg/L	<0.001	AQL	Resd	Quarterly	0.004
	Beryllium, Dissolved	mg/L	<0.001	AL	Resd	Quarterly	0.004
	Beryllium, Dissolved	mg/L	<0.001	AQL	Resd	Quarterly	0.004
	Cadmium	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Cadmium	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Cadmium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Cadmium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Chromium	mg/L	0.098	AL	Resd	Quarterly	0.1
	Chromium	mg/L	0.098	AQL	Resd	Quarterly	0.1
	Chromium (dissolved)	mg/L	0.1	AL	Resd	Quarterly	0.1
	Chromium (dissolved)	mg/L	0.1	AQL	Resd	Quarterly	0.1
	Chloride	mg/L	680	AL	Resd	Quarterly	NE
	Chloride	mg/L	680	AQL	NE	Quarterly	NE
	Fluoride	mg/L	5.5	AL	Resd	Reanalysis	4
	Fluoride	mg/L	5.5	AQL	Resd	Reanalysis	4
	Lead	mg/L	0.0021	AL	Resd	Quarterly	0.05
	Lead	mg/L	0.0021	AQL	Resd	Quarterly	0.05
	Lead, Dissolved	mg/L	<0.001	AL	Resd	Quarterly	0.05
	Lead, Dissolved	mg/L	<0.001	AQL	Resd	Quarterly	0.05
	Mercury, Dissolved	mg/L	<0.0002	AL	Resd	Quarterly	0.002
	Mercury, Dissolved	mg/L	<0.0002	AQL	Resd	Quarterly	0.002
	Nickel	mg/L	0.0059	AL	Resd	Quarterly	0.1
	Nickel	mg/L	0.0059	AQL	Resd	Quarterly	0.1
	Nickel, Dissolved	mg/L	0.0045	AL	Resd	Quarterly	0.1
	Nickel, Dissolved	mg/L	0.0045	AQL	Resd	Quarterly	0.1
	Nitrate/Nitrite-N	mg/L	9.27	AL	Resd	Quarterly	10

TABLE 1A-2 WATER QUALITY DATA FOR WELL APP-3

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
7/27/2007	Nitrate/Nitrite-N	mg/L	9.27	AQL	Resd	Quarterly	10
	Potassium	mg/L	5.2	AL	Resd	Quarterly	NE
	Potassium	mg/L	5.2	AQL	NE	Quarterly	NE
	Potassium, Dissolved	mg/L	5.1	AL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	5.1	AQL	NE	Quarterly	NE
	Selenium	mg/L	0.0049	AL	Resd	Quarterly	0.05
	Selenium	mg/L	0.0049	AQL	Resd	Quarterly	0.05
	Selenium (dissolved)	mg/L	0.0051	AL	Resd	Quarterly	0.05
	Selenium (dissolved)	mg/L	0.0051	AQL	Resd	Quarterly	0.05
	Sulfate	mg/L	190	AL	Resd	Quarterly	NE
	Sulfate	mg/L	190	AQL	NE	Quarterly	NE
	Total Dissolved Solids	mg/L	1500	AL	Resd	Quarterly	NE
	Total Dissolved Solids	mg/L	1500	AQL	NE	Quarterly	NE
	Thallium	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Thallium	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Thallium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Thallium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Benzene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Benzene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Benzo(a)pyrene	mg/L	<0.00002	AL	Resd	Reanalysis	0.0002
	Benzo(a)pyrene	mg/L	<0.00002	AQL	Resd	Reanalysis	0.0002
	Carbon Tetrachloride	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Carbon Tetrachloride	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,2-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.6
	1,2-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.6
	1,4-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.075
	1,4-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.075
	1,2-Dichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,1-Dichloroethene	mg/L	<0.002	AL	Resd	Quarterly	0.007
	1,1-Dichloroethene	mg/L	<0.002	AQL	Resd	Quarterly	0.007
	cis-1,2-Dichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	cis-1,2-Dichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	trans-1,2-Dichloroethylene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	trans-1,2-Dichloroethylene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	1,2-Dichloropropane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloropropane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Methylene chloride	mg/L	<0.005	AL	Resd	Quarterly	0.005
	Methylene chloride	mg/L	<0.005	AQL	Resd	Quarterly	0.005
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AL	Resd	Reanalysis	0.4
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AQL	Resd	Reanalysis	0.4
	Bis(2-ethylhexyl)phthalate	mg/L	0.0031	AL	Resd	Reanalysis	0.006
	Bis(2-ethylhexyl)phthalate	mg/L	0.0031	AQL	Resd	Reanalysis	0.006
	Ethylbenzene	mg/L	<0.002	AL	Resd	Quarterly	0.7
	Ethylbenzene	mg/L	<0.002	AQL	Resd	Quarterly	0.7
	Hexachlorobenzene	mg/L	<0.0001	AL	Resd	Reanalysis	0.001
	Hexachlorobenzene	mg/L	<0.0001	AQL	Resd	Reanalysis	0.001
	Hexachlorocyclopentadiene	mg/L	<0.0001	AL	Resd	Reanalysis	0.05
	Hexachlorocyclopentadiene	mg/L	<0.0001	AQL	Resd	Reanalysis	0.05
	Chlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Chlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	Pentachlorophenol	mg/L	<0.00004	AL	Resd	Quarterly	0.001

TABLE 1A-2 WATER QUALITY DATA FOR WELL APP-3

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
7/27/2007	Pentachlorophenol	mg/L	<0.00004	AQL	Resd	Quarterly	0.001
	Styrene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Styrene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	2,3,7,8-TCDD	mg/L	<0.000000005	AL	Resd	Quarterly	0.00000003
	2,3,7,8-TCDD	mg/L	<0.000000005	AQL	Resd	Quarterly	0.00000003
	Tetrachloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Tetrachloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Toluene	mg/L	<0.002	AL	Resd	Quarterly	1
	Toluene	mg/L	<0.002	AQL	Resd	Quarterly	1
	Total Trihalomethanes	mg/L	<0.005	AL	Resd	Quarterly	0.1
	Total Trihalomethanes	mg/L	<0.005	AQL	Resd	Quarterly	0.1
	1,2,4-Trichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	1,2,4-Trichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	1,1,1-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.2
	1,1,1-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.2
	1,1,2-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,1,2-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Vinyl chloride	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Vinyl chloride	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Total Xylenes	mg/L	<0.003	AL	Resd	Quarterly	10
	Total Xylenes	mg/L	<0.003	AQL	Resd	Quarterly	10
	Tritium	pCi/L	<3000	AL	3000	Quarterly	20000
	Tritium	pCi/L	<3000	AQL	20000	Quarterly	20000
	Iodine-131	pCi/L	<90	AL	90	Quarterly	100
	Iodine-131	pCi/L	<90	AQL	100	Quarterly	100
	Cesium-134	pCi/L	<67.5	AL	67.5	Quarterly	75
	Cesium-134	pCi/L	<67.5	AQL	75	Quarterly	75
	Cesium-137	pCi/L	<99	AL	99	Quarterly	110
	Cesium-137	pCi/L	<99	AQL	110	Quarterly	110
	Cobalt-60	pCi/L	<180	AL	180	Quarterly	200
	Cobalt-60	pCi/L	<180	AQL	200	Quarterly	200
11/1/2007	Boron	mg/L	1.5	IAL	NE	Quarterly	NE
	Boron, Dissolved	mg/L	1.5	IAL	NE	Quarterly	NE
	Chloride	mg/L	600	IAL	NE	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-3 WATER QUALITY DATA FOR WELL APP-4

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/26/2007	Boron, Dissolved	mg/L	1	IAL	Resd	Quarterly	NE
	Chloride	mg/L	370	IAL	Resd	Quarterly	NE
	Fluoride	mg/L	6.6	IAL	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	4.9	IAL	Resd	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-4 WATER QUALITY DATA FOR WELL APP-5

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/26/2007	Boron, Dissolved	mg/L	0.67	IAL	Resd	Quarterly	NE
	Chloride	mg/L	210	IAL	Resd	Quarterly	NE
	Fluoride	mg/L	11	IAL	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	1.8	IAL	Resd	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
6/12/2007	Boron	mg/L	0.66	IAL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	0.65	IAL	Resd	Quarterly	NE
	Chloride	mg/L	190	IAL	Resd	Quarterly	NE
	Fluoride	mg/L	10	IAL	Resd	Quarterly	4
	Potassium	mg/L	1.9	IAL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	2.1	IAL	Resd	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
8/2/2007	Boron	mg/L	0.64	IAL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	0.66	IAL	Resd	Quarterly	NE
	Chloride	mg/L	180	IAL	Resd	Quarterly	NE
	Fluoride	mg/L	9.1	IAL	Resd	Quarterly	4
	Potassium	mg/L	2.3	IAL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	2.5	IAL	Resd	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
11/1/2007	Boron	mg/L	0.74	IAL	NE	Quarterly	NE
	Boron, Dissolved	mg/L	0.73	IAL	NE	Quarterly	NE
	Chloride	mg/L	200	IAL	NE	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-5 WATER QUALITY DATA FOR WELL APP-6

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
3/7/2007	pH	SU	9.41	AL	<6, >9	Quarterly	NE
	pH	SU	9.41	AQL	NE	Quarterly	NE
	Specific Conductance	umhos/cm	1600			Quarterly	NE
	Ion Balance	%	1.3	AL	NE	Quarterly	NE
	Ion Balance	%	1.3	AQL	NE	Quarterly	NE
	Alkalinity	mg/L	24			Quarterly	NE
	Calcium, Dissolved	mg/L	27			Quarterly	NE
	Magnesium, Dissolved	mg/L	<0.5			Quarterly	NE
	Sodium, Dissolved	mg/L	280			Quarterly	NE
	Antimony (dissolved)	mg/L	<0.002	AL	Resd	Quarterly	0.006
	Antimony (dissolved)	mg/L	<0.002	AQL	Resd	Quarterly	0.006
	Arsenic (dissolved)	mg/L	0.015	AL	Resd	Quarterly	0.05
	Arsenic (dissolved)	mg/L	0.015	AQL	Resd	Quarterly	0.05
	Barium (dissolved)	mg/L	0.0017	AL	Resd	Quarterly	2
	Barium (dissolved)	mg/L	0.0017	AQL	Resd	Quarterly	2
	Boron, Dissolved	mg/L	1.4	AL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	1.4	AQL	NE	Quarterly	NE
	Beryllium, Dissolved	mg/L	<0.0005	AL	Resd	Quarterly	0.004
	Beryllium, Dissolved	mg/L	<0.0005	AQL	Resd	Quarterly	0.004
	Cadmium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Cadmium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Chromium (dissolved)	mg/L	<0.002	AL	Resd	Quarterly	0.1
	Chromium (dissolved)	mg/L	<0.002	AQL	Resd	Quarterly	0.1
	Chloride	mg/L	330	AL	Resd	Quarterly	NE
	Chloride	mg/L	330	AQL	NE	Quarterly	NE
	Fluoride	mg/L	10	AL	Resd	Quarterly	4
	Fluoride	mg/L	10	AQL	Resd	Quarterly	4
	Lead, Dissolved	mg/L	<0.001	AL	Resd	Quarterly	0.05
	Lead, Dissolved	mg/L	<0.001	AQL	Resd	Quarterly	0.05
	Mercury, Dissolved	mg/L	<0.0002	AL	Resd	Quarterly	0.002
	Mercury, Dissolved	mg/L	<0.0002	AQL	Resd	Quarterly	0.002
	Nickel, Dissolved	mg/L	<0.002	AL	Resd	Quarterly	0.1
	Nickel, Dissolved	mg/L	<0.002	AQL	Resd	Quarterly	0.1
	Nitrate/Nitrite-N	mg/L	<0.1	AL	Resd	Quarterly	10
	Nitrate/Nitrite-N	mg/L	<0.1	AQL	Resd	Quarterly	10
	Potassium, Dissolved	mg/L	1.5	AL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	1.5	AQL	NE	Quarterly	NE
	Selenium (dissolved)	mg/L	0.0045	AL	Resd	Quarterly	0.05
	Selenium (dissolved)	mg/L	0.0045	AQL	Resd	Quarterly	0.05
	Sulfate	mg/L	140	AL	Resd	Quarterly	NE
	Sulfate	mg/L	140	AQL	NE	Quarterly	NE
	Total Dissolved Solids	mg/L	840	AL	Resd	Quarterly	NE
	Total Dissolved Solids	mg/L	840	AQL	NE	Quarterly	NE
	Thallium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Thallium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Benzene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Benzene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Benzo(a)pyrene	mg/L	<0.00002	AL	Resd	Quarterly	0.0002
	Benzo(a)pyrene	mg/L	<0.00002	AQL	Resd	Quarterly	0.0002
	Carbon Tetrachloride	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Carbon Tetrachloride	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,2-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.6

TABLE 1A-5 WATER QUALITY DATA FOR WELL APP-6

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
3/7/2007	1,2-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.6
	1,4-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.075
	1,4-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.075
	1,2-Dichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,1-Dichloroethene	mg/L	<0.002	AL	Resd	Quarterly	0.007
	1,1-Dichloroethene	mg/L	<0.002	AQL	Resd	Quarterly	0.007
	cis-1,2-Dichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	cis-1,2-Dichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	1,2-Dichloropropane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloropropane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Methylene chloride	mg/L	<0.005	AL	Resd	Quarterly	0.005
	Methylene chloride	mg/L	<0.005	AQL	Resd	Quarterly	0.005
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AL	Resd	Quarterly	0.4
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AQL	Resd	Quarterly	0.4
	Bis(2-ethylhexyl)phthalate	mg/L	0.0052	AL	Resd	Quarterly	0.006
	Bis(2-ethylhexyl)phthalate	mg/L	0.0052	AQL	Resd	Quarterly	0.006
	Ethylbenzene	mg/L	<0.002	AL	Resd	Quarterly	0.7
	Ethylbenzene	mg/L	<0.002	AQL	Resd	Quarterly	0.7
	Hexachlorobenzene	mg/L	<0.0001	AL	Resd	Quarterly	0.001
	Hexachlorobenzene	mg/L	<0.0001	AQL	Resd	Quarterly	0.001
	Hexachlorocyclopentadiene	mg/L	<0.0001	AL	Resd	Quarterly	0.05
	Hexachlorocyclopentadiene	mg/L	<0.0001	AQL	Resd	Quarterly	0.05
	Chlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Chlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	Pentachlorophenol	mg/L	<0.00004	AL	Resd	Quarterly	0.001
	Pentachlorophenol	mg/L	<0.00004	AQL	Resd	Quarterly	0.001
	Styrene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Styrene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	2,3,7,8-TCDD	mg/L	<0.000000005	AL	Resd	Quarterly	0.00000003
	2,3,7,8-TCDD	mg/L	<0.000000005	AQL	Resd	Quarterly	0.00000003
	Tetrachloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Tetrachloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Toluene	mg/L	<0.002	AL	Resd	Quarterly	1
	Toluene	mg/L	<0.002	AQL	Resd	Quarterly	1
	Total Trihalomethanes	mg/L	<0.005	AL	Resd	Quarterly	0.1
	Total Trihalomethanes	mg/L	<0.005	AQL	Resd	Quarterly	0.1
	1,2,4-Trichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	1,2,4-Trichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	1,1,1-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.2
	1,1,1-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.2
	1,1,2-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,1,2-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Vinyl chloride	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Vinyl chloride	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Total Xylenes	mg/L	<0.003	AL	Resd	Quarterly	10
	Total Xylenes	mg/L	<0.003	AQL	Resd	Quarterly	10
	Tritium	pCi/L	<3000	AL	3000	Quarterly	20000
	Tritium	pCi/L	<3000	AQL	20000	Quarterly	20000
	Iodine-131	pCi/L	<90	AL	90	Quarterly	100

TABLE 1A-5 WATER QUALITY DATA FOR WELL APP-6

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
3/7/2007	Iodine-131	pCi/L	<90	AQL	100	Quarterly	100
	Cesium-134	pCi/L	<67.5	AL	67.5	Quarterly	75
	Cesium-134	pCi/L	<67.5	AQL	75	Quarterly	75
	Cesium-137	pCi/L	<99	AL	99	Quarterly	110
	Cesium-137	pCi/L	<99	AQL	110	Quarterly	110
	Cobalt-60	pCi/L	<180	AL	180	Quarterly	200
	Cobalt-60	pCi/L	<180	AQL	200	Quarterly	200
6/12/2007	pH	SU	8.88	AL	<6, >9	Quarterly	NE
	pH	SU	8.88	AQL	NE	Quarterly	NE
	Specific Conductance	umhos/cm	1500			Quarterly	NE
	Ion Balance	%	-1.7	AL	NE	Quarterly	NE
	Ion Balance	%	-1.7	AQL	NE	Quarterly	NE
	Alkalinity	mg/L	20			Quarterly	NE
	Calcium	mg/L	27			Quarterly	NE
	Calcium, Dissolved	mg/L	27			Quarterly	NE
	Magnesium	mg/L	<0.5			Quarterly	NE
	Magnesium, Dissolved	mg/L	<0.5			Quarterly	NE
	Sodium	mg/L	260			Quarterly	NE
	Sodium, Dissolved	mg/L	260			Quarterly	NE
	Mercury	mg/L	<0.0002	AL	Resd	Quarterly	0.002
	Mercury	mg/L	<0.0002	AQL	Resd	Quarterly	0.002
	Antimony	mg/L	<0.002	AL	Resd	Quarterly	0.006
	Antimony	mg/L	<0.002	AQL	Resd	Quarterly	0.006
	Antimony (dissolved)	mg/L	<0.002	AL	Resd	Quarterly	0.006
	Antimony (dissolved)	mg/L	<0.002	AQL	Resd	Quarterly	0.006
	Arsenic	mg/L	0.016	AL	Resd	Quarterly	0.05
	Arsenic	mg/L	0.016	AQL	Resd	Quarterly	0.05
	Arsenic (dissolved)	mg/L	0.015	AL	Resd	Quarterly	0.05
	Arsenic (dissolved)	mg/L	0.015	AQL	Resd	Quarterly	0.05
	Barium	mg/L	0.051	AL	Resd	Quarterly	2
	Barium	mg/L	0.051	AQL	Resd	Quarterly	2
	Barium (dissolved)	mg/L	0.0018	AL	Resd	Quarterly	2
	Barium (dissolved)	mg/L	0.0018	AQL	Resd	Quarterly	2
	Boron	mg/L	1.3	AL	Resd	Quarterly	NE
	Boron	mg/L	1.3	AQL	NE	Quarterly	NE
	Boron, Dissolved	mg/L	1.4	AL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	1.4	AQL	NE	Quarterly	NE
	Beryllium	mg/L	<0.0005	AL	Resd	Quarterly	0.004
	Beryllium	mg/L	<0.0005	AQL	Resd	Quarterly	0.004
	Beryllium, Dissolved	mg/L	<0.0005	AL	Resd	Quarterly	0.004
	Beryllium, Dissolved	mg/L	<0.0005	AQL	Resd	Quarterly	0.004
	Cadmium	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Cadmium	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Cadmium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Cadmium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Chromium	mg/L	0.0071	AL	Resd	Quarterly	0.1
	Chromium	mg/L	0.0071	AQL	Resd	Quarterly	0.1
	Chromium (dissolved)	mg/L	<0.002	AL	Resd	Quarterly	0.1
	Chromium (dissolved)	mg/L	<0.002	AQL	Resd	Quarterly	0.1
	Chloride	mg/L	330	AL	Resd	Quarterly	NE
	Chloride	mg/L	330	AQL	NE	Quarterly	NE
	Fluoride	mg/L	9.8	AL	Resd	Quarterly	4

TABLE 1A-5 WATER QUALITY DATA FOR WELL APP-6

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
6/12/2007	Fluoride	mg/L	9.8	AQL	Resd	Quarterly	4
	Lead	mg/L	0.0043	AL	Resd	Quarterly	0.05
	Lead	mg/L	0.0043	AQL	Resd	Quarterly	0.05
	Lead, Dissolved	mg/L	<0.001	AL	Resd	Quarterly	0.05
	Lead, Dissolved	mg/L	<0.001	AQL	Resd	Quarterly	0.05
	Mercury, Dissolved	mg/L	<0.0002	AL	Resd	Quarterly	0.002
	Mercury, Dissolved	mg/L	<0.0002	AQL	Resd	Quarterly	0.002
	Nickel	mg/L	0.0071	AL	Resd	Quarterly	0.1
	Nickel	mg/L	0.0071	AQL	Resd	Quarterly	0.1
	Nickel, Dissolved	mg/L	<0.002	AL	Resd	Quarterly	0.1
	Nickel, Dissolved	mg/L	<0.002	AQL	Resd	Quarterly	0.1
	Nitrate/Nitrite-N	mg/L	<0.1	AL	Resd	Quarterly	10
	Nitrate/Nitrite-N	mg/L	<0.1	AQL	Resd	Quarterly	10
	Potassium	mg/L	1.6	AL	Resd	Quarterly	NE
	Potassium	mg/L	1.6	AQL	NE	Quarterly	NE
	Potassium, Dissolved	mg/L	1.3	AL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	1.3	AQL	NE	Quarterly	NE
	Selenium	mg/L	<0.002	AL	Resd	Quarterly	0.05
	Selenium	mg/L	<0.002	AQL	Resd	Quarterly	0.05
	Selenium (dissolved)	mg/L	<0.002	AL	Resd	Quarterly	0.05
	Selenium (dissolved)	mg/L	<0.002	AQL	Resd	Quarterly	0.05
	Sulfate	mg/L	140	AL	Resd	Quarterly	NE
	Sulfate	mg/L	140	AQL	NE	Quarterly	NE
	Total Dissolved Solids	mg/L	830	AL	Resd	Quarterly	NE
	Total Dissolved Solids	mg/L	830	AQL	NE	Quarterly	NE
	Thallium	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Thallium	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Thallium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Thallium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Benzene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Benzene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Benzo(a)pyrene	mg/L	<0.00002	AL	Resd	Quarterly	0.0002
	Benzo(a)pyrene	mg/L	<0.00002	AQL	Resd	Quarterly	0.0002
	Carbon Tetrachloride	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Carbon Tetrachloride	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,2-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.6
	1,2-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.6
	1,4-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.075
	1,4-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.075
	1,2-Dichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,1-Dichloroethene	mg/L	<0.002	AL	Resd	Quarterly	0.007
	1,1-Dichloroethene	mg/L	<0.002	AQL	Resd	Quarterly	0.007
	cis-1,2-Dichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	cis-1,2-Dichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	1,2-Dichloropropane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloropropane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Methylene chloride	mg/L	<0.005	AL	Resd	Quarterly	0.005
	Methylene chloride	mg/L	<0.005	AQL	Resd	Quarterly	0.005
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AL	Resd	Quarterly	0.4
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AQL	Resd	Quarterly	0.4
	Bis(2-ethylhexyl)phthalate	mg/L	0.017	AL	Resd	Quarterly	0.006

TABLE 1A-5 WATER QUALITY DATA FOR WELL APP-6

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
6/12/2007	Bis(2-ethylhexyl)phthalate	mg/L	0.017	AQL	Resd	Quarterly	0.006
	Ethylbenzene	mg/L	<0.002	AL	Resd	Quarterly	0.7
	Ethylbenzene	mg/L	<0.002	AQL	Resd	Quarterly	0.7
	Hexachlorobenzene	mg/L	<0.0001	AL	Resd	Quarterly	0.001
	Hexachlorobenzene	mg/L	<0.0001	AQL	Resd	Quarterly	0.001
	Hexachlorocyclopentadiene	mg/L	<0.0001	AL	Resd	Quarterly	0.05
	Hexachlorocyclopentadiene	mg/L	<0.0001	AQL	Resd	Quarterly	0.05
	Chlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Chlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	Pentachlorophenol	mg/L	<0.00004	AL	Resd	Quarterly	0.001
	Pentachlorophenol	mg/L	<0.00004	AQL	Resd	Quarterly	0.001
	Styrene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Styrene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	2,3,7,8-TCDD	mg/L	<0.000000005	AL	Resd	Quarterly	0.00000003
	2,3,7,8-TCDD	mg/L	<0.000000005	AQL	Resd	Quarterly	0.00000003
	Tetrachloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Tetrachloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Toluene	mg/L	<0.002	AL	Resd	Quarterly	1
	Toluene	mg/L	<0.002	AQL	Resd	Quarterly	1
	Total Trihalomethanes	mg/L	<0.005	AL	Resd	Quarterly	0.1
	Total Trihalomethanes	mg/L	<0.005	AQL	Resd	Quarterly	0.1
	1,2,4-Trichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	1,2,4-Trichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	1,1,1-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.2
	1,1,1-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.2
	1,1,2-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,1,2-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Vinyl chloride	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Vinyl chloride	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Total Xylenes	mg/L	<0.003	AL	Resd	Quarterly	10
	Total Xylenes	mg/L	<0.003	AQL	Resd	Quarterly	10
	Tritium	pCi/L	<3000	AL	3000	Quarterly	20000
	Tritium	pCi/L	<3000	AQL	20000	Quarterly	20000
	Iodine-131	pCi/L	<90	AL	90	Quarterly	100
	Iodine-131	pCi/L	<90	AQL	100	Quarterly	100
	Cesium-134	pCi/L	<67.5	AL	67.5	Quarterly	75
	Cesium-134	pCi/L	<67.5	AQL	75	Quarterly	75
	Cesium-137	pCi/L	<99	AL	99	Quarterly	110
	Cesium-137	pCi/L	<99	AQL	110	Quarterly	110
	Cobalt-60	pCi/L	<180	AL	180	Quarterly	200
	Cobalt-60	pCi/L	<180	AQL	200	Quarterly	200
8/17/2007	pH	SU	9.37	AL	<6, >9	Quarterly	NE
	pH	SU	9.37	AQL	NE	Quarterly	NE
	Specific Conductance	umhos/cm	1500			Quarterly	NE
	Ion Balance	%	19	AL	NE	Quarterly	NE
	Ion Balance	%	19	AQL	NE	Quarterly	NE
	Alkalinity	mg/L	22			Quarterly	NE
	Calcium	mg/L	29			Quarterly	NE
	Calcium, Dissolved	mg/L	29			Quarterly	NE
	Magnesium	mg/L	<0.5			Quarterly	NE

TABLE 1A-5 WATER QUALITY DATA FOR WELL APP-6

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
8/17/2007	Magnesium, Dissolved	mg/L	0.87			Quarterly	NE
	Sodium	mg/L	420			Quarterly	NE
	Sodium, Dissolved	mg/L	360			Quarterly	NE
	Mercury	mg/L	<0.0002	AL	Resd	Quarterly	0.002
	Mercury	mg/L	<0.0002	AQL	Resd	Quarterly	0.002
	Antimony	mg/L	<0.003	AL	Resd	Quarterly	0.006
	Antimony	mg/L	<0.003	AQL	Resd	Quarterly	0.006
	Antimony (dissolved)	mg/L	<0.003	AL	Resd	Quarterly	0.006
	Antimony (dissolved)	mg/L	<0.003	AQL	Resd	Quarterly	0.006
	Arsenic	mg/L	0.017	AL	Resd	Quarterly	0.05
	Arsenic	mg/L	0.017	AQL	Resd	Quarterly	0.05
	Arsenic (dissolved)	mg/L	0.016	AL	Resd	Quarterly	0.05
	Arsenic (dissolved)	mg/L	0.016	AQL	Resd	Quarterly	0.05
	Barium	mg/L	0.028	AL	Resd	Quarterly	2
	Barium	mg/L	0.028	AQL	Resd	Quarterly	2
	Barium (dissolved)	mg/L	0.0015	AL	Resd	Quarterly	2
	Barium (dissolved)	mg/L	0.0015	AQL	Resd	Quarterly	2
	Boron	mg/L	1.4	AL	Resd	Quarterly	NE
	Boron	mg/L	1.4	AQL	NE	Quarterly	NE
	Boron, Dissolved	mg/L	1.4	AL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	1.4	AQL	NE	Quarterly	NE
	Beryllium	mg/L	<0.001	AL	Resd	Quarterly	0.004
	Beryllium	mg/L	<0.001	AQL	Resd	Quarterly	0.004
	Beryllium, Dissolved	mg/L	<0.001	AL	Resd	Quarterly	0.004
	Beryllium, Dissolved	mg/L	<0.001	AQL	Resd	Quarterly	0.004
	Cadmium	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Cadmium	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Cadmium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Cadmium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Chromium	mg/L	0.0066	AL	Resd	Quarterly	0.1
	Chromium	mg/L	0.0066	AQL	Resd	Quarterly	0.1
	Chromium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Chromium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	Chloride	mg/L	340	AL	Resd	Quarterly	NE
	Chloride	mg/L	340	AQL	NE	Quarterly	NE
	Fluoride	mg/L	9.8	AL	Resd	Quarterly	4
	Fluoride	mg/L	9.8	AQL	Resd	Quarterly	4
	Lead	mg/L	0.004	AL	Resd	Quarterly	0.05
	Lead	mg/L	0.004	AQL	Resd	Quarterly	0.05
	Lead, Dissolved	mg/L	<0.001	AL	Resd	Quarterly	0.05
	Lead, Dissolved	mg/L	<0.001	AQL	Resd	Quarterly	0.05
	Mercury, Dissolved	mg/L	<0.0002	AL	Resd	Quarterly	0.002
	Mercury, Dissolved	mg/L	<0.0002	AQL	Resd	Quarterly	0.002
	Nickel	mg/L	0.007	AL	Resd	Quarterly	0.1
	Nickel	mg/L	0.007	AQL	Resd	Quarterly	0.1
	Nickel, Dissolved	mg/L	0.0018	AL	Resd	Quarterly	0.1
	Nickel, Dissolved	mg/L	0.0018	AQL	Resd	Quarterly	0.1
	Nitrate/Nitrite-N	mg/L	<0.1	AL	Resd	Quarterly	10
	Nitrate/Nitrite-N	mg/L	<0.1	AQL	Resd	Quarterly	10
	Potassium	mg/L	2.4	AL	Resd	Quarterly	NE
	Potassium	mg/L	2.4	AQL	NE	Quarterly	NE
	Potassium, Dissolved	mg/L	<2	AL	Resd	Quarterly	NE

TABLE 1A-5 WATER QUALITY DATA FOR WELL APP-6

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
8/17/2007	Potassium, Dissolved	mg/L	<2	AQL	NE	Quarterly	NE
	Selenium	mg/L	<0.002	AL	Resd	Quarterly	0.05
	Selenium	mg/L	<0.002	AQL	Resd	Quarterly	0.05
	Selenium (dissolved)	mg/L	<0.002	AL	Resd	Quarterly	0.05
	Selenium (dissolved)	mg/L	<0.002	AQL	Resd	Quarterly	0.05
	Sulfate	mg/L	140	AL	Resd	Quarterly	NE
	Sulfate	mg/L	140	AQL	NE	Quarterly	NE
	Total Dissolved Solids	mg/L	830	AL	Resd	Quarterly	NE
	Total Dissolved Solids	mg/L	830	AQL	NE	Quarterly	NE
	Thallium	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Thallium	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Thallium (dissolved)	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Thallium (dissolved)	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Benzene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Benzene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Benzo(a)pyrene	mg/L	<0.00002	AL	Resd	Quarterly	0.0002
	Benzo(a)pyrene	mg/L	<0.00002	AQL	Resd	Quarterly	0.0002
	Carbon Tetrachloride	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Carbon Tetrachloride	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,2-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.6
	1,2-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.6
	1,4-Dichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.075
	1,4-Dichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.075
	1,2-Dichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	1,1-Dichloroethene	mg/L	<0.002	AL	Resd	Quarterly	0.007
	1,1-Dichloroethene	mg/L	<0.002	AQL	Resd	Quarterly	0.007
	cis-1,2-Dichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	cis-1,2-Dichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	1,2-Dichloropropane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,2-Dichloropropane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Methylene chloride	mg/L	<0.005	AL	Resd	Quarterly	0.005
	Methylene chloride	mg/L	<0.005	AQL	Resd	Quarterly	0.005
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AL	Resd	Quarterly	0.4
	Di (2-ethylhexyl) adipate	mg/L	<0.0006	AQL	Resd	Quarterly	0.4
	Bis(2-ethylhexyl)phthalate	mg/L	0.028	AL	Resd	Quarterly	0.006
	Bis(2-ethylhexyl)phthalate	mg/L	0.028	AQL	Resd	Quarterly	0.006
	Ethylbenzene	mg/L	<0.002	AL	Resd	Quarterly	0.7
	Ethylbenzene	mg/L	<0.002	AQL	Resd	Quarterly	0.7
	Hexachlorobenzene	mg/L	<0.0001	AL	Resd	Quarterly	0.001
	Hexachlorobenzene	mg/L	<0.0001	AQL	Resd	Quarterly	0.001
	Hexachlorocyclopentadiene	mg/L	<0.0001	AL	Resd	Quarterly	0.05
	Hexachlorocyclopentadiene	mg/L	<0.0001	AQL	Resd	Quarterly	0.05
	Chlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Chlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	Pentachlorophenol	mg/L	<0.00004	AL	Resd	Quarterly	0.001
	Pentachlorophenol	mg/L	<0.00004	AQL	Resd	Quarterly	0.001
	Styrene	mg/L	<0.001	AL	Resd	Quarterly	0.1
	Styrene	mg/L	<0.001	AQL	Resd	Quarterly	0.1
	2,3,7,8-TCDD	mg/L	<0.0000000036	AL	Resd	Quarterly	0.00000003
	2,3,7,8-TCDD	mg/L	<0.0000000036	AQL	Resd	Quarterly	0.00000003
	Tetrachloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005

TABLE 1A-5 WATER QUALITY DATA FOR WELL APP-6

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
8/17/2007	Tetrachloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Toluene	mg/L	<0.002	AL	Resd	Quarterly	1
	Toluene	mg/L	<0.002	AQL	Resd	Quarterly	1
	Total Trihalomethanes	mg/L	<0.005	AL	Resd	Quarterly	0.1
	Total Trihalomethanes	mg/L	<0.005	AQL	Resd	Quarterly	0.1
	1,2,4-Trichlorobenzene	mg/L	<0.001	AL	Resd	Quarterly	0.07
	1,2,4-Trichlorobenzene	mg/L	<0.001	AQL	Resd	Quarterly	0.07
	1,1,1-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.2
	1,1,1-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.2
	1,1,2-Trichloroethane	mg/L	<0.001	AL	Resd	Quarterly	0.005
	1,1,2-Trichloroethane	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AL	Resd	Quarterly	0.005
	Trichloroethene	mg/L	<0.001	AQL	Resd	Quarterly	0.005
	Vinyl chloride	mg/L	<0.001	AL	Resd	Quarterly	0.002
	Vinyl chloride	mg/L	<0.001	AQL	Resd	Quarterly	0.002
	Total Xylenes	mg/L	<0.003	AL	Resd	Quarterly	10
	Total Xylenes	mg/L	<0.003	AQL	Resd	Quarterly	10
	Tritium	pCi/L	<3000	AL	3000	Quarterly	20000
	Tritium	pCi/L	<3000	AQL	20000	Quarterly	20000
	Iodine-131	pCi/L	<90	AL	90	Quarterly	100
	Iodine-131	pCi/L	<90	AQL	100	Quarterly	100
	Cesium-134	pCi/L	<67.5	AL	67.5	Quarterly	75
	Cesium-134	pCi/L	<67.5	AQL	75	Quarterly	75
	Cesium-137	pCi/L	<99	AL	99	Quarterly	110
	Cesium-137	pCi/L	<99	AQL	110	Quarterly	110
	Cobalt-60	pCi/L	<180	AL	180	Quarterly	200
	Cobalt-60	pCi/L	<180	AQL	200	Quarterly	200
11/14/2007	Boron	mg/L	1.3	IAL	NE	Quarterly	NE
	Boron, Dissolved	mg/L	1.3	IAL	NE	Quarterly	NE
	Chloride	mg/L	320	IAL	NE	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-6 WATER QUALITY DATA FOR WELL APP-7

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
3/15/2007	Boron, Dissolved	mg/L	0.57	IAL	Resd	Quarterly	NE
	Chloride	mg/L	140	IAL	Resd	Quarterly	NE
	Fluoride	mg/L	11	IAL	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	1.3	IAL	Resd	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
6/28/2007	Boron	mg/L	1	IAL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	0.85	IAL	Resd	Quarterly	NE
	Chloride	mg/L	140	IAL	Resd	Quarterly	NE
	Fluoride	mg/L	13	IAL	Resd	Quarterly	4
	Potassium	mg/L	1.8	IAL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	1.3	IAL	Resd	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
9/6/2007	Boron	mg/L	0.63	IAL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	0.64	IAL	Resd	Quarterly	NE
	Chloride	mg/L	130	IAL	Resd	Quarterly	NE
	Fluoride	mg/L	11	IAL	Resd	Quarterly	4
	Potassium	mg/L	<2	IAL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	2.1	IAL	Resd	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
11/19/2007	Boron	mg/L	0.55	IAL	NE	Quarterly	NE
	Boron, Dissolved	mg/L	0.54	IAL	NE	Quarterly	NE
	Chloride	mg/L	140	IAL	NE	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-7 WATER QUALITY DATA FOR WELL APP-8

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/8/2007	Boron, Dissolved	mg/L	0.99	IAL	Resd	Quarterly	NE
	Chloride	mg/L	210	IAL	Resd	Quarterly	NE
	Fluoride	mg/L	8.5	IAL	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	2.4	IAL	Resd	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
5/3/2007	Boron, Dissolved	mg/L	1	IAL	Resd	Quarterly	NE
	Chloride	mg/L	210	IAL	Resd	Quarterly	NE
	Fluoride	mg/L	8.1	IAL	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	2.6	IAL	Resd	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
7/25/2007	Boron	mg/L	0.95	IAL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	0.93	IAL	Resd	Quarterly	NE
	Chloride	mg/L	210	IAL	Resd	Quarterly	NE
	Fluoride	mg/L	7.4	IAL	Resd	Reanalysis	4
	Potassium	mg/L	3	IAL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	2.9	IAL	Resd	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
10/30/2007	Boron	mg/L	1	IAL	NE	Quarterly	NE
	Boron, Dissolved	mg/L	1	IAL	NE	Quarterly	NE
	Chloride	mg/L	170	IAL	NE	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-8 WATER QUALITY DATA FOR WELL PV-14H

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
3/7/2007	pH	SU	7.99	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	12000			Qtrly & Contingency	NE
	Ion Balance	%	-5.9	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	440			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	67			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	34			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	2200			Qtrly & Contingency	NE
	Antimony (dissolved)	mg/L	<0.002	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic (dissolved)	mg/L	0.041	CAL	0.145	Qtrly & Contingency	0.05
	Barium (dissolved)	mg/L	0.014	CAL	0.219	Qtrly & Contingency	2
	Boron, Dissolved	mg/L	6.5	IAL	7.99	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	6.5	CAL	9.11	Qtrly & Contingency	NE
	Beryllium, Dissolved	mg/L	<0.0005	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium (dissolved)	mg/L	<0.001	CAL	0.053	Qtrly & Contingency	0.005
	Chromium (dissolved)	mg/L	0.0056	CAL	0.058	Qtrly & Contingency	0.1
	Chloride	mg/L	**2300**	IAL	2064	Qtrly & Contingency	NE
	Chloride	mg/L	**2400**	IAL	2064	Reanalysis	NE
	Chloride	mg/L	**2300**	CAL	2256	Qtrly & Contingency	NE
	Chloride	mg/L	**2400**	CAL	2256	Reanalysis	NE
	Fluoride	mg/L	8.8	IAL	11.7	Qtrly & Contingency	4
	Fluoride	mg/L	8.8	CAL	12.7	Qtrly & Contingency	4
	Lead, Dissolved	mg/L	<0.001	CAL	0.01	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.0049	Qtrly & Contingency	0.002
	Nickel, Dissolved	mg/L	0.0045	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	**65.7**	CAL	65.3	Qtrly & Contingency	10
	Nitrate/Nitrite-N	mg/L	48.2	CAL	65.3	Reanalysis	10
	Potassium, Dissolved	mg/L	**3.9**	IAL	2.48	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**3.3**	IAL	2.48	Reanalysis	NE
	Potassium, Dissolved	mg/L	**3.9**	CAL	3	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**3.3**	CAL	3	Reanalysis	NE
	Selenium (dissolved)	mg/L	0.034	CAL	0.076	Qtrly & Contingency	0.05
	Sulfate	mg/L	1900	CAL	2868	Qtrly & Contingency	NE
	Total Dissolved Solids	mg/L	**7300**	CAL	7005	Qtrly & Contingency	NE
	Thallium (dissolved)	mg/L	<0.001	CAL	0.002	Qtrly & Contingency	0.002
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
6/22/2007	pH	SU	7.92	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	11000			Qtrly & Contingency	NE
	Ion Balance	%	-1.3	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	450			Qtrly & Contingency	NE
	Calcium	mg/L	65			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	66			Qtrly & Contingency	NE
	Magnesium	mg/L	34			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	34			Qtrly & Contingency	NE
	Sodium	mg/L	2500			Qtrly & Contingency	NE

TABLE 1A-8 WATER QUALITY DATA FOR WELL PV-14H

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
6/22/2007	Sodium, Dissolved	mg/L	2300			Qtrly & Contingency	NE
	Mercury	mg/L	<0.0002	CAL	0.0049	Qtrly & Contingency	0.002
	Antimony	mg/L	<0.002	CAL	0.006	Qtrly & Contingency	0.006
	Antimony (dissolved)	mg/L	<0.002	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic	mg/L	0.043	CAL	0.145	Qtrly & Contingency	0.05
	Arsenic (dissolved)	mg/L	0.045	CAL	0.145	Qtrly & Contingency	0.05
	Barium	mg/L	0.017	CAL	0.219	Qtrly & Contingency	2
	Barium (dissolved)	mg/L	0.017	CAL	0.219	Qtrly & Contingency	2
	Boron	mg/L	6.9	IAL	7.99	Qtrly & Contingency	NE
	Boron	mg/L	6.9	CAL	9.11	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	6.9	IAL	7.99	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	6.9	CAL	9.11	Qtrly & Contingency	NE
	Beryllium	mg/L	<0.0005	CAL	0.004	Qtrly & Contingency	0.004
	Beryllium, Dissolved	mg/L	<0.0005	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium	mg/L	<0.001	CAL	0.053	Qtrly & Contingency	0.005
	Cadmium (dissolved)	mg/L	<0.001	CAL	0.053	Qtrly & Contingency	0.005
	Chromium	mg/L	0.0041	CAL	0.058	Qtrly & Contingency	0.1
	Chromium (dissolved)	mg/L	0.0037	CAL	0.058	Qtrly & Contingency	0.1
	Chloride	mg/L	**2400**	IAL	2064	Qtrly & Contingency	NE
	Chloride	mg/L	**2400**	CAL	2256	Qtrly & Contingency	NE
	Fluoride	mg/L	8.6	IAL	11.7	Qtrly & Contingency	4
	Fluoride	mg/L	8.6	CAL	12.7	Qtrly & Contingency	4
	Lead	mg/L	<0.001	CAL	0.01	Qtrly & Contingency	0.05
	Lead, Dissolved	mg/L	<0.001	CAL	0.01	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.0049	Qtrly & Contingency	0.002
	Nickel	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Nickel, Dissolved	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	**65.5**	CAL	65.3	Qtrly & Contingency	10
	Nitrate/Nitrite-N	mg/L	61.9	CAL	65.3	Reanalysis	10
	Potassium	mg/L	2.1	IAL	2.48	Qtrly & Contingency	NE
	Potassium	mg/L	2.1	CAL	3	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	2.4	IAL	2.48	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	2.4	CAL	3	Qtrly & Contingency	NE
	Selenium	mg/L	0.031	CAL	0.076	Qtrly & Contingency	0.05
	Selenium (dissolved)	mg/L	0.026	CAL	0.076	Qtrly & Contingency	0.05
	Sulfate	mg/L	1900	CAL	2868	Qtrly & Contingency	NE
	Total Dissolved Solids	mg/L	**7400**	CAL	7005	Qtrly & Contingency	NE
	Thallium	mg/L	<0.001	CAL	0.002	Qtrly & Contingency	0.002
	Thallium (dissolved)	mg/L	<0.001	CAL	0.002	Qtrly & Contingency	0.002
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
8/17/2007	pH	SU	7.87	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	11000			Qtrly & Contingency	NE
	Ion Balance	%	10.3	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	460			Qtrly & Contingency	NE

TABLE 1A-8 WATER QUALITY DATA FOR WELL PV-14H

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
8/17/2007	Calcium	mg/L	69			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	70			Qtrly & Contingency	NE
	Magnesium	mg/L	35			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	35			Qtrly & Contingency	NE
	Sodium	mg/L	3100			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	3300			Qtrly & Contingency	NE
	Mercury	mg/L	<0.0002	CAL	0.0049	Qtrly & Contingency	0.002
	Antimony	mg/L	<0.003	CAL	0.006	Qtrly & Contingency	0.006
	Antimony (dissolved)	mg/L	<0.003	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic	mg/L	0.051	CAL	0.145	Qtrly & Contingency	0.05
	Arsenic (dissolved)	mg/L	0.052	CAL	0.145	Qtrly & Contingency	0.05
	Barium	mg/L	0.016	CAL	0.219	Qtrly & Contingency	2
	Barium (dissolved)	mg/L	0.015	CAL	0.219	Qtrly & Contingency	2
	Boron	mg/L	7	IAL	7.99	Qtrly & Contingency	NE
	Boron	mg/L	7	CAL	9.11	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	7.2	IAL	7.99	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	7.2	CAL	9.11	Qtrly & Contingency	NE
	Beryllium	mg/L	<0.001	CAL	0.004	Qtrly & Contingency	0.004
	Beryllium, Dissolved	mg/L	<0.001	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium	mg/L	<0.001	CAL	0.053	Qtrly & Contingency	0.005
	Cadmium (dissolved)	mg/L	<0.001	CAL	0.053	Qtrly & Contingency	0.005
	Chromium	mg/L	0.0044	CAL	0.058	Qtrly & Contingency	0.1
	Chromium (dissolved)	mg/L	0.0052	CAL	0.058	Qtrly & Contingency	0.1
	Chloride	mg/L	**2300**	IAL	2064	Qtrly & Contingency	NE
	Chloride	mg/L	**2300**	CAL	2256	Qtrly & Contingency	NE
	Fluoride	mg/L	8	IAL	11.7	Qtrly & Contingency	4
	Fluoride	mg/L	8	CAL	12.7	Qtrly & Contingency	4
	Lead	mg/L	<0.001	CAL	0.01	Qtrly & Contingency	0.05
	Lead, Dissolved	mg/L	<0.001	CAL	0.01	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.0049	Qtrly & Contingency	0.002
	Nickel	mg/L	0.0045	CAL	0.1	Qtrly & Contingency	0.1
	Nickel, Dissolved	mg/L	0.0042	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	64.7	CAL	65.3	Qtrly & Contingency	10
	Potassium	mg/L	**9.4**	IAL	2.48	Qtrly & Contingency	NE
	Potassium	mg/L	**9.4**	CAL	3	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**7.3**	IAL	2.48	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**7.3**	CAL	3	Qtrly & Contingency	NE
	Selenium	mg/L	0.032	CAL	0.076	Qtrly & Contingency	0.05
	Selenium (dissolved)	mg/L	0.03	CAL	0.076	Qtrly & Contingency	0.05
	Sulfate	mg/L	1900	CAL	2868	Qtrly & Contingency	NE
	Total Dissolved Solids	mg/L	**7300**	CAL	7005	Qtrly & Contingency	NE
	Thallium	mg/L	<0.001	CAL	0.002	Qtrly & Contingency	0.002
	Thallium (dissolved)	mg/L	<0.001	CAL	0.002	Qtrly & Contingency	0.002
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200

TABLE 1A-8 WATER QUALITY DATA FOR WELL PV-14H

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
11/16/2007	Boron	mg/L	6.2	IAL	7.99	Quarterly	NE
	Boron, Dissolved	mg/L	6.3	IAL	7.99	Quarterly	NE
	Chloride	mg/L	2300	IAL	2491	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-9 WATER QUALITY DATA FOR WELL PV-14HB

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
1/17/2007	Boron, Dissolved	mg/L	7	Verify AL	7.95	Verification	NE
	Chloride	mg/L	**2500**	Verify AL	2174	Verification	NE
	Fluoride	mg/L	10	Verify AL	11.4	Verification	4
	Potassium, Dissolved	mg/L	1.6	Verify AL	2.3	Reanalysis	NE
	Tritium	mg/L	<3000	Verify AL	3000	Verification	20000
	Iodine-131	mg/L	<100	Verify AL	100	Verification	100
	Cesium-137	mg/L	<50	Verify AL	50	Verification	110
	Cobalt-60	mg/L	<100	Verify AL	100	Verification	200
3/7/2007	Boron, Dissolved	mg/L	6.4	Verify AL	7.95	Qtrly & Contingency	NE
	Chloride	mg/L	**2300**	Verify AL	2174	Qtrly & Contingency	NE
	Fluoride	mg/L	9.2	Verify AL	11.4	Qtrly & Contingency	4
	Potassium, Dissolved	mg/L	**4.3**	Verify AL	2.3	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**4.6**	Verify AL	2.3	Reanalysis	NE
	Tritium	mg/L	<3000	Verify AL	3000	Qtrly & Contingency	20000
	Iodine-131	mg/L	<100	Verify AL	100	Qtrly & Contingency	100
	Cesium-137	mg/L	<50	Verify AL	50	Qtrly & Contingency	110
	Cobalt-60	mg/L	<100	Verify AL	100	Qtrly & Contingency	200
6/22/2007	Boron	mg/L	7	Verify AL	7.95	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	6.9	Verify AL	7.95	Qtrly & Contingency	NE
	Chloride	mg/L	**2400**	Verify AL	2174	Qtrly & Contingency	NE
	Fluoride	mg/L	9.3	Verify AL	11.4	Qtrly & Contingency	4
	Potassium	mg/L	**3.8**	Verify AL	2.3	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**3.4**	Verify AL	2.3	Qtrly & Contingency	NE
	Tritium	mg/L	<3000	Verify AL	3000	Qtrly & Contingency	20000
	Iodine-131	mg/L	<100	Verify AL	100	Qtrly & Contingency	100
	Cesium-137	mg/L	<50	Verify AL	50	Qtrly & Contingency	110
	Cobalt-60	mg/L	<100	Verify AL	100	Qtrly & Contingency	200
8/17/2007	Boron	mg/L	7.4	Verify AL	7.95	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	7.5	Verify AL	7.95	Qtrly & Contingency	NE
	Chloride	mg/L	**2400**	Verify AL	2174	Qtrly & Contingency	NE
	Fluoride	mg/L	8.4	Verify AL	11.4	Qtrly & Contingency	4
	Potassium	mg/L	**9.6**	Verify AL	2.3	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**7.2**	Verify AL	2.3	Qtrly & Contingency	NE
	Tritium	mg/L	<3000	Verify AL	3000	Qtrly & Contingency	20000
	Iodine-131	mg/L	<100	Verify AL	100	Qtrly & Contingency	100
	Cesium-137	mg/L	<50	Verify AL	50	Qtrly & Contingency	110
	Cobalt-60	mg/L	<100	Verify AL	100	Qtrly & Contingency	200

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-10 WATER QUALITY DATA FOR WELL PV-193A

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/16/2007	Boron, Dissolved	mg/L	6.2	IAL	6.28	Quarterly	NE
	Boron, Dissolved	mg/L	6.2	CAL	6.62	Quarterly	NE
	Chloride	mg/L	6500	IAL	7220	Quarterly	NE
	Chloride	mg/L	6500	CAL	7758	Quarterly	NE
	Fluoride	mg/L	**5.3**	IAL	3.99	Quarterly	4
	Fluoride	mg/L	**4.7**	IAL	3.99	Reanalysis	4
	Fluoride	mg/L	**5.3**	CAL	4.69	Quarterly	4
	Fluoride	mg/L	**4.7**	CAL	4.69	Reanalysis	4
	Potassium, Dissolved	mg/L	3.7	IAL	7.13	Quarterly	NE
	Potassium, Dissolved	mg/L	3.7	CAL	8.8	Quarterly	NE
	Tritium	pCi/L	<1000	IAL	1000	Quarterly	20000
	Tritium	pCi/L	<1000	CAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cesium-137	pCi/L	<50	CAL	110	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
	Cobalt-60	pCi/L	<100	CAL	200	Quarterly	200
4/3/2007	Boron, Dissolved	mg/L	6.1	IAL	6.28	Reanalysis	NE
	Boron, Dissolved	mg/L	**6.4**	IAL	6.28	Verification	NE
	Boron, Dissolved	mg/L	6.1	CAL	6.62	Reanalysis	NE
	Boron, Dissolved	mg/L	6.4	CAL	6.62	Verification	NE
	Chloride	mg/L	6100	IAL	7220	Reanalysis	NE
	Chloride	mg/L	6100	CAL	7758	Reanalysis	NE
	Fluoride	mg/L	3.7	IAL	3.99	Verification	4
	Fluoride	mg/L	3.7	CAL	4.69	Verification	4
	Potassium, Dissolved	mg/L	6.4	IAL	7.13	Reanalysis	NE
	Potassium, Dissolved	mg/L	**7.3**	IAL	7.13	Verification	NE
	Potassium, Dissolved	mg/L	6.4	CAL	8.8	Reanalysis	NE
	Potassium, Dissolved	mg/L	7.3	CAL	8.8	Verification	NE
	Tritium	pCi/L	<1000	IAL	1000	Verification	20000
	Tritium	pCi/L	<1000	CAL	3000	Verification	20000
	Cesium-137	pCi/L	<50	IAL	50	Verification	110
	Cesium-137	pCi/L	<50	CAL	110	Verification	110
	Cobalt-60	pCi/L	<100	IAL	100	Verification	200
	Cobalt-60	pCi/L	<100	CAL	200	Verification	200
6/12/2007	Boron	mg/L	5.9	IAL	6.28	Quarterly	NE
	Boron	mg/L	5.9	CAL	6.62	Quarterly	NE
	Boron, Dissolved	mg/L	6.1	IAL	6.28	Quarterly	NE
	Boron, Dissolved	mg/L	6.1	CAL	6.62	Quarterly	NE
	Chloride	mg/L	4900	IAL	7220	Reanalysis	NE
	Chloride	mg/L	4900	CAL	7758	Reanalysis	NE
	Fluoride	mg/L	**5.8**	IAL	3.99	Quarterly	4
	Fluoride	mg/L	**5.8**	CAL	4.69	Quarterly	4
	Potassium	mg/L	3.3	IAL	7.13	Quarterly	NE
	Potassium	mg/L	3.3	CAL	8.8	Quarterly	NE
	Potassium, Dissolved	mg/L	4.1	IAL	7.13	Quarterly	NE
	Potassium, Dissolved	mg/L	4.1	CAL	8.8	Quarterly	NE
	Tritium	pCi/L	<1000	IAL	1000	Quarterly	20000
	Tritium	pCi/L	<1000	CAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cesium-137	pCi/L	<50	CAL	110	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
	Cobalt-60	pCi/L	<100	CAL	200	Quarterly	200

TABLE 1A-10 WATER QUALITY DATA FOR WELL PV-193A

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
7/13/2007	Boron	mg/L	5.7	IAL	6.28	Verification	NE
	Boron	mg/L	5.7	CAL	6.62	Verification	NE
	Boron, Dissolved	mg/L	5.9	IAL	6.28	Verification	NE
	Boron, Dissolved	mg/L	5.9	CAL	6.62	Verification	NE
	Chloride	mg/L	6700	IAL	7220	Verification	NE
	Chloride	mg/L	6700	CAL	7758	Verification	NE
	Fluoride	mg/L	**5.2**	IAL	3.99	Verification	4
	Fluoride	mg/L	**5.2**	CAL	4.69	Verification	4
	Potassium	mg/L	4.2	IAL	7.13	Verification	NE
	Potassium	mg/L	4.2	CAL	8.8	Verification	NE
	Potassium, Dissolved	mg/L	3.9	IAL	7.13	Verification	NE
	Potassium, Dissolved	mg/L	3.9	CAL	8.8	Verification	NE
	Tritium	pCi/L	<1000	IAL	1000	Verification	20000
	Tritium	pCi/L	<1000	CAL	3000	Verification	20000
	Cesium-137	pCi/L	<50	IAL	50	Verification	110
	Cesium-137	pCi/L	<50	CAL	110	Verification	110
	Cobalt-60	pCi/L	<100	IAL	100	Verification	200
	Cobalt-60	pCi/L	<100	CAL	200	Verification	200
7/27/2007	Boron	mg/L	**6.3**	IAL	6.28	Quarterly	NE
	Boron	mg/L	6.3	CAL	6.62	Quarterly	NE
	Boron, Dissolved	mg/L	6	IAL	6.28	Quarterly	NE
	Boron, Dissolved	mg/L	6	CAL	6.62	Quarterly	NE
	Chloride	mg/L	6200	IAL	7220	Reanalysis	NE
	Chloride	mg/L	6200	CAL	7758	Reanalysis	NE
	Fluoride	mg/L	**5.7**	IAL	3.99	Reanalysis	4
	Fluoride	mg/L	**5.7**	CAL	4.69	Reanalysis	4
	Potassium	mg/L	**16**	IAL	7.13	Quarterly	NE
	Potassium	mg/L	**16**	CAL	8.8	Quarterly	NE
	Potassium, Dissolved	mg/L	**17**	IAL	7.13	Quarterly	NE
	Potassium, Dissolved	mg/L	**17**	CAL	8.8	Quarterly	NE
	Tritium	pCi/L	<1000	IAL	1000	Quarterly	20000
	Tritium	pCi/L	<1000	CAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cesium-137	pCi/L	<50	CAL	110	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
	Cobalt-60	pCi/L	<100	CAL	200	Quarterly	200
10/3/2007	pH	SU	7.4	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	22000			Qtrly & Contingency	NE
	Ion Balance	%	6.7	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	62			Qtrly & Contingency	NE
	Calcium	mg/L	1200			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	1200			Qtrly & Contingency	NE
	Magnesium	mg/L	510			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	500			Qtrly & Contingency	NE
	Sodium	mg/L	3700			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	3200			Qtrly & Contingency	NE
	Mercury	mg/L	<0.0002	CAL	0.00175	Qtrly & Contingency	0.002
	Antimony	mg/L	<0.01	CAL	0.006	Qtrly & Contingency	0.006
	Antimony (dissolved)	mg/L	<0.004	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic	mg/L	<0.005	CAL	0.0125	Qtrly & Contingency	0.05
	Arsenic (dissolved)	mg/L	<0.002	CAL	0.0125	Qtrly & Contingency	0.05
	Barium	mg/L	0.035	CAL	0.483	Qtrly & Contingency	2

TABLE 1A-10 WATER QUALITY DATA FOR WELL PV-193A

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
10/3/2007	Barium (dissolved)	mg/L	0.032	CAL	0.483	Qtrly & Contingency	2
	Boron	mg/L	6.1	IAL	6.28	Qtrly & Contingency	NE
	Boron	mg/L	6.1	CAL	6.62	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	5.9	IAL	6.28	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	5.9	CAL	6.62	Qtrly & Contingency	NE
	Beryllium	mg/L	<0.0025	CAL	0.004	Qtrly & Contingency	0.004
	Beryllium, Dissolved	mg/L	<0.001	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium	mg/L	<0.005	CAL	0.105	Qtrly & Contingency	0.005
	Cadmium (dissolved)	mg/L	<0.002	CAL	0.105	Qtrly & Contingency	0.005
	Chromium	mg/L	**0.039**	CAL	0.037	Qtrly & Contingency	0.1
	Chromium (dissolved)	mg/L	0.023	CAL	0.037	Qtrly & Contingency	0.1
	Chloride	mg/L	5900	IAL	7220	Reanalysis	NE
	Chloride	mg/L	5900	CAL	7758	Reanalysis	NE
	Fluoride	mg/L	2.3	IAL	3.99	Qtrly & Contingency	4
	Fluoride	mg/L	**5.9**	IAL	3.99	Reanalysis	4
	Fluoride	mg/L	2.3	CAL	4.69	Qtrly & Contingency	4
	Fluoride	mg/L	**5.9**	CAL	4.69	Reanalysis	4
	Lead	mg/L	<0.005	CAL	0.194	Qtrly & Contingency	0.05
	Lead, Dissolved	mg/L	<0.002	CAL	0.194	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.00175	Qtrly & Contingency	0.002
	Nickel	mg/L	<0.01	CAL	0.1	Qtrly & Contingency	0.1
	Nickel, Dissolved	mg/L	0.012	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	228	CAL	338.9	Qtrly & Contingency	10
	Potassium	mg/L	6.3	IAL	7.13	Qtrly & Contingency	NE
	Potassium	mg/L	6.3	CAL	8.8	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	<5	IAL	7.13	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	<5	CAL	8.8	Qtrly & Contingency	NE
	Selenium	mg/L	0.041	CAL	0.113	Qtrly & Contingency	0.05
	Selenium (dissolved)	mg/L	0.046	CAL	0.113	Qtrly & Contingency	0.05
	Sulfate	mg/L	2800	CAL	4133	Reanalysis	NE
	Total Dissolved Solids	mg/L	16000	CAL	18675	Qtrly & Contingency	NE
	Thallium	mg/L	<0.005	CAL	0.002	Qtrly & Contingency	0.002
	Thallium (dissolved)	mg/L	<0.002	CAL	0.002	Qtrly & Contingency	0.002
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200

TABLE 1A-10 WATER QUALITY DATA FOR WELL PV-193A

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-11 WATER QUALITY DATA FOR WELL PV-193B

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
4/4/2007	Boron, Dissolved	mg/L	5.9	Verify AL	6.52	Verification	NE
	Chloride	mg/L	**6200**	Verify AL	6178	Reanalysis	NE
	Chloride	mg/L	**7200**	Verify AL	6178	Verification	NE
	Fluoride	mg/L	3.6	Verify AL	4	Verification	4
	Potassium, Dissolved	mg/L	6	Verify AL	6.2	Verification	NE
	Tritium	mg/L	<3000	Verify AL	3000	Verification	20000
	Iodine-131	mg/L	<100	Verify AL	100	Verification	100
	Cesium-137	mg/L	<50	Verify AL	50	Verification	110
	Cobalt-60	mg/L	<100	Verify AL	100	Verification	200
7/13/2007	Boron	mg/L	5.7	Verify AL	6.52	Verification	NE
	Boron, Dissolved	mg/L	5.7	Verify AL	6.52	Verification	NE
	Chloride	mg/L	5900	Verify AL	6178	Verification	NE
	Fluoride	mg/L	**5.3**	Verify AL	4	Verification	4
	Potassium	mg/L	5.7	Verify AL	6.2	Verification	NE
	Potassium, Dissolved	mg/L	5.7	Verify AL	6.2	Verification	NE
	Tritium	mg/L	<3000	Verify AL	3000	Verification	20000
	Iodine-131	mg/L	<100	Verify AL	100	Verification	100
	Cesium-137	mg/L	<50	Verify AL	50	Verification	110
	Cobalt-60	mg/L	<100	Verify AL	100	Verification	200
10/3/2007	Boron	mg/L	6	Verify AL	6.52	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	6.2	Verify AL	6.52	Qtrly & Contingency	NE
	Chloride	mg/L	5300	Verify AL	6178	Reanalysis	NE
	Fluoride	mg/L	2.5	Verify AL	4	Qtrly & Contingency	4
	Fluoride	mg/L	**5.5**	Verify AL	4	Reanalysis	4
	Potassium	mg/L	**7.1**	Verify AL	6.2	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**7.1**	Verify AL	6.2	Qtrly & Contingency	NE
	Tritium	mg/L	<3000	Verify AL	3000	Qtrly & Contingency	20000
	Iodine-131	mg/L	<100	Verify AL	100	Qtrly & Contingency	100
	Cesium-137	mg/L	<50	Verify AL	50	Qtrly & Contingency	110
	Cobalt-60	mg/L	<100	Verify AL	100	Qtrly & Contingency	200

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-12 WATER QUALITY DATA FOR WELL PV-195A

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
1/23/2007	Boron, Dissolved	mg/L	23	IAL	25.48	Verification	NE
	Boron, Dissolved	mg/L	23	CAL	27.12	Verification	NE
	Chloride	mg/L	7700	IAL	11560	Verification	NE
	Chloride	mg/L	7700	CAL	12620	Verification	NE
	Fluoride	mg/L	**5.4**	IAL	4.7	Verification	4
	Fluoride	mg/L	**5.4**	CAL	5	Verification	4
	Potassium, Dissolved	mg/L	**9**	IAL	7.3	Verification	NE
	Potassium, Dissolved	mg/L	**9**	CAL	8.5	Verification	NE
	Tritium	pCi/L	<1000	IAL	1000	Verification	20000
	Tritium	pCi/L	<1000	CAL	3000	Verification	20000
	Cesium-137	pCi/L	<50	IAL	50	Verification	110
	Cesium-137	pCi/L	<50	CAL	110	Verification	110
	Cobalt-60	pCi/L	<100	IAL	100	Verification	200
	Cobalt-60	pCi/L	<100	CAL	200	Verification	200
3/8/2007	pH	SU	7.46	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	37000			Qtrly & Contingency	NE
	Ion Balance	%	-8.6	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	330			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	540			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	280			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	8100			Qtrly & Contingency	NE
	Mercury	mg/L	<0.0002	CAL	0.0033	Qtrly & Contingency	0.002
	Antimony (dissolved)	mg/L	<0.02	CAL	0.006	Qtrly & Contingency	0.006
	Antimony (dissolved)	mg/L	<0.004	CAL	0.006	Reanalysis	0.006
	Arsenic (dissolved)	mg/L	0.013	CAL	0.071	Qtrly & Contingency	0.05
	Barium (dissolved)	mg/L	0.011	CAL	0.752	Qtrly & Contingency	2
	Boron, Dissolved	mg/L	21	IAL	25.48	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	21	CAL	27.12	Qtrly & Contingency	NE
	Beryllium, Dissolved	mg/L	<0.002	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium (dissolved)	mg/L	<0.01	CAL	0.189	Qtrly & Contingency	0.005
	Chromium (dissolved)	mg/L	<0.02	CAL	0.173	Qtrly & Contingency	0.1
	Chloride	mg/L	9600	IAL	11560	Reanalysis	NE
	Chloride	mg/L	9600	CAL	12620	Reanalysis	NE
	Fluoride	mg/L	4	IAL	4.7	Qtrly & Contingency	4
	Fluoride	mg/L	4	CAL	5	Qtrly & Contingency	4
	Lead, Dissolved	mg/L	<0.01	CAL	0.103	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.0033	Qtrly & Contingency	0.002
	Nickel, Dissolved	mg/L	<0.02	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	181	CAL	303.5	Qtrly & Contingency	10
	Potassium, Dissolved	mg/L	**9.7**	IAL	7.3	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**9.7**	CAL	8.5	Qtrly & Contingency	NE
	Selenium (dissolved)	mg/L	0.11	CAL	0.327	Qtrly & Contingency	0.05
	Sulfate	mg/L	9500	CAL	9515	Reanalysis	NE
	Total Dissolved Solids	mg/L	27000	CAL	39836	Qtrly & Contingency	NE
	Thallium (dissolved)	mg/L	<0.002	CAL	0.002	Qtrly & Contingency	0.002
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110

TABLE 1A-12 WATER QUALITY DATA FOR WELL PV-195A

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
3/8/2007	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
6/28/2007	pH	SU	7.34	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	35000			Qtrly & Contingency	NE
	Ion Balance	%	-2.2	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	320			Qtrly & Contingency	NE
	Calcium	mg/L	550			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	560			Qtrly & Contingency	NE
	Magnesium	mg/L	370			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	360			Qtrly & Contingency	NE
	Sodium	mg/L	8700			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	8900			Qtrly & Contingency	NE
	Mercury	mg/L	<0.0002	CAL	0.0033	Qtrly & Contingency	0.002
	Antimony	mg/L	<0.01	CAL	0.006	Qtrly & Contingency	0.006
	Antimony (dissolved)	mg/L	<0.01	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic	mg/L	0.015	CAL	0.071	Qtrly & Contingency	0.05
	Arsenic (dissolved)	mg/L	0.016	CAL	0.071	Qtrly & Contingency	0.05
	Barium	mg/L	0.014	CAL	0.752	Qtrly & Contingency	2
	Barium (dissolved)	mg/L	0.014	CAL	0.752	Qtrly & Contingency	2
	Boron	mg/L	24	IAL	25.48	Qtrly & Contingency	NE
	Boron	mg/L	24	CAL	27.12	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	24	IAL	25.48	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	24	CAL	27.12	Qtrly & Contingency	NE
	Beryllium	mg/L	<0.0025	CAL	0.004	Qtrly & Contingency	0.004
	Beryllium, Dissolved	mg/L	<0.0025	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium	mg/L	<0.005	CAL	0.189	Qtrly & Contingency	0.005
	Cadmium (dissolved)	mg/L	<0.005	CAL	0.189	Qtrly & Contingency	0.005
	Chromium	mg/L	0.011	CAL	0.173	Qtrly & Contingency	0.1
	Chromium (dissolved)	mg/L	0.012	CAL	0.173	Qtrly & Contingency	0.1
	Chloride	mg/L	9100	IAL	11560	Reanalysis	NE
	Chloride	mg/L	9100	CAL	12620	Reanalysis	NE
	Fluoride	mg/L	4	IAL	4.7	Qtrly & Contingency	4
	Fluoride	mg/L	4	CAL	5	Qtrly & Contingency	4
	Lead	mg/L	<0.005	CAL	0.103	Qtrly & Contingency	0.05
	Lead, Dissolved	mg/L	<0.005	CAL	0.103	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.0033	Qtrly & Contingency	0.002
	Nickel	mg/L	<0.01	CAL	0.1	Qtrly & Contingency	0.1
	Nickel, Dissolved	mg/L	<0.01	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	194	CAL	303.5	Qtrly & Contingency	10
	Potassium	mg/L	**8**	IAL	7.3	Qtrly & Contingency	NE
	Potassium	mg/L	**7.5**	IAL	7.3	Reanalysis	NE
	Potassium	mg/L	8	CAL	8.5	Qtrly & Contingency	NE
	Potassium	mg/L	7.5	CAL	8.5	Reanalysis	NE
	Potassium, Dissolved	mg/L	**12**	IAL	7.3	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	6.6	IAL	7.3	Reanalysis	NE
	Potassium, Dissolved	mg/L	**12**	CAL	8.5	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	6.6	CAL	8.5	Reanalysis	NE
	Selenium	mg/L	0.11	CAL	0.327	Qtrly & Contingency	0.05
	Selenium (dissolved)	mg/L	0.12	CAL	0.327	Qtrly & Contingency	0.05
	Sulfate	mg/L	9100	CAL	9515	Reanalysis	NE
	Total Dissolved Solids	mg/L	27000	CAL	39836	Reanalysis	NE
	Thallium	mg/L	<0.005	CAL	0.002	Qtrly & Contingency	0.002

TABLE 1A-12 WATER QUALITY DATA FOR WELL PV-195A

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
6/28/2007	Thallium (dissolved)	mg/L	<0.005	CAL	0.002	Qtrly & Contingency	0.002
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Tritium	pCi/L	<332	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Tritium	pCi/L	<332	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Iodine-131	pCi/L	<3.27	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-134	pCi/L	<2.74	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<2.92	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<2.92	CAL	110	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<3.08	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<3.08	CAL	200	Qtrly & Contingency	200
8/28/2007	pH	SU	7.3	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	35000			Qtrly & Contingency	NE
	Ion Balance	%	15.2	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	330			Qtrly & Contingency	NE
	Calcium	mg/L	600			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	580			Qtrly & Contingency	NE
	Magnesium	mg/L	300			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	290			Qtrly & Contingency	NE
	Sodium	mg/L	12000			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	12000			Qtrly & Contingency	NE
	Mercury	mg/L	<0.0002	CAL	0.0033	Qtrly & Contingency	0.002
	Antimony	mg/L	<0.015	CAL	0.006	Qtrly & Contingency	0.006
	Antimony (dissolved)	mg/L	<0.03	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic	mg/L	0.056	CAL	0.071	Qtrly & Contingency	0.05
	Arsenic (dissolved)	mg/L	**0.075**	CAL	0.071	Qtrly & Contingency	0.05
	Barium	mg/L	0.013	CAL	0.752	Qtrly & Contingency	2
	Barium (dissolved)	mg/L	0.014	CAL	0.752	Qtrly & Contingency	2
	Boron	mg/L	25	IAL	25.48	Qtrly & Contingency	NE
	Boron	mg/L	25	CAL	27.12	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	25	IAL	25.48	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	25	CAL	27.12	Qtrly & Contingency	NE
	Beryllium	mg/L	<0.005	CAL	0.004	Qtrly & Contingency	0.004
	Beryllium, Dissolved	mg/L	<0.01	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium	mg/L	<0.005	CAL	0.189	Qtrly & Contingency	0.005
	Cadmium (dissolved)	mg/L	<0.01	CAL	0.189	Qtrly & Contingency	0.005
	Chromium	mg/L	0.017	CAL	0.173	Qtrly & Contingency	0.1
	Chromium (dissolved)	mg/L	0.017	CAL	0.173	Qtrly & Contingency	0.1
	Chloride	mg/L	8400	IAL	11560	Qtrly & Contingency	NE
	Chloride	mg/L	8400	CAL	12620	Qtrly & Contingency	NE
	Fluoride	mg/L	**8.6**	IAL	4.7	Qtrly & Contingency	4
	Fluoride	mg/L	**8.6**	CAL	5	Qtrly & Contingency	4
	Lead	mg/L	<0.005	CAL	0.103	Qtrly & Contingency	0.05
	Lead, Dissolved	mg/L	<0.01	CAL	0.103	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.0033	Qtrly & Contingency	0.002

TABLE 1A-12 WATER QUALITY DATA FOR WELL PV-195A

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
8/28/2007	Nickel	mg/L	0.034	CAL	0.1	Qtrly & Contingency	0.1
	Nickel, Dissolved	mg/L	0.034	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	8.76	CAL	303.5	Qtrly & Contingency	10
	Potassium	mg/L	**39**	IAL	7.3	Qtrly & Contingency	NE
	Potassium	mg/L	**39**	CAL	8.5	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**38**	IAL	7.3	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**38**	CAL	8.5	Qtrly & Contingency	NE
	Selenium	mg/L	0.22	CAL	0.327	Qtrly & Contingency	0.05
	Selenium (dissolved)	mg/L	0.13	CAL	0.327	Qtrly & Contingency	0.05
	Sulfate	mg/L	8700	CAL	9515	Qtrly & Contingency	NE
	Total Dissolved Solids	mg/L	27000	CAL	39836	Qtrly & Contingency	NE
	Total Dissolved Solids	mg/L	28000	CAL	39836	Reanalysis	NE
	Thallium	mg/L	<0.005	CAL	0.002	Qtrly & Contingency	0.002
	Thallium (dissolved)	mg/L	<0.01	CAL	0.002	Qtrly & Contingency	0.002
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
11/16/2007	Boron	mg/L	20	IAL	25.48	Quarterly	NE
	Boron, Dissolved	mg/L	21	IAL	25.48	Quarterly	NE
	Chloride	mg/L	8200	IAL	11560	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-13 WATER QUALITY DATA FOR WELL PV-195B

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
1/23/2007	Boron, Dissolved	mg/L	14	Verify AL	14.6	Verification	NE
	Chloride	mg/L	15000	Verify AL	20180	Verification	NE
	Fluoride	mg/L	3.3	Verify AL	4.1	Verification	4
	Potassium, Dissolved	mg/L	18	Verify AL	25.67	Verification	NE
	Tritium	mg/L	<3000	Verify AL	3000	Verification	20000
	Iodine-131	mg/L	<100	Verify AL	100	Verification	100
	Cesium-137	mg/L	<50	Verify AL	50	Verification	110
	Cobalt-60	mg/L	<100	Verify AL	100	Verification	200
3/8/2007	Boron, Dissolved	mg/L	13	Verify AL	14.6	Qtrly & Contingency	NE
	Chloride	mg/L	15000	Verify AL	20180	Reanalysis	NE
	Fluoride	mg/L	2.5	Verify AL	4.1	Qtrly & Contingency	4
	Potassium, Dissolved	mg/L	6.1	Verify AL	25.67	Qtrly & Contingency	NE
	Tritium	mg/L	<3000	Verify AL	3000	Qtrly & Contingency	20000
	Iodine-131	mg/L	<100	Verify AL	100	Qtrly & Contingency	100
	Cesium-137	mg/L	<50	Verify AL	50	Qtrly & Contingency	110
	Cobalt-60	mg/L	<100	Verify AL	100	Qtrly & Contingency	200
6/28/2007	Boron	mg/L	**16**	Verify AL	14.6	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	**16**	Verify AL	14.6	Qtrly & Contingency	NE
	Chloride	mg/L	15000	Verify AL	20180	Reanalysis	NE
	Fluoride	mg/L	2.5	Verify AL	4.1	Qtrly & Contingency	4
	Potassium	mg/L	21	Verify AL	25.67	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	19	Verify AL	25.67	Qtrly & Contingency	NE
	Tritium	mg/L	<3000	Verify AL	3000	Qtrly & Contingency	20000
	Iodine-131	mg/L	<100	Verify AL	100	Qtrly & Contingency	100
	Cesium-137	mg/L	<50	Verify AL	50	Qtrly & Contingency	110
	Cobalt-60	mg/L	<100	Verify AL	100	Qtrly & Contingency	200
8/28/2007	Boron	mg/L	**16**	Verify AL	14.6	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	**16**	Verify AL	14.6	Qtrly & Contingency	NE
	Chloride	mg/L	14000	Verify AL	20180	Qtrly & Contingency	NE
	Fluoride	mg/L	**7.5**	Verify AL	4.1	Qtrly & Contingency	4
	Potassium	mg/L	**59**	Verify AL	25.67	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**47**	Verify AL	25.67	Qtrly & Contingency	NE
	Tritium	mg/L	<3000	Verify AL	3000	Qtrly & Contingency	20000
	Iodine-131	mg/L	<100	Verify AL	100	Qtrly & Contingency	100
	Cesium-137	mg/L	<50	Verify AL	50	Qtrly & Contingency	110
	Cobalt-60	mg/L	<100	Verify AL	100	Qtrly & Contingency	200

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-14 WATER QUALITY DATA FOR WELL PV-198AR

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/9/2007	pH	SU	7.37	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	8300			Qtrly & Contingency	NE
	Ion Balance	%	-4	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	140			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	150			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	49			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	1400			Qtrly & Contingency	NE
	Antimony (dissolved)	mg/L	<0.004	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic (dissolved)	mg/L	0.009	CAL	0.05	Qtrly & Contingency	0.05
	Barium (dissolved)	mg/L	0.034	CAL	2	Qtrly & Contingency	2
	Boron, Dissolved	mg/L	3.6	IAL	7.1	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	3.6	CAL	7.2	Qtrly & Contingency	NE
	Beryllium, Dissolved	mg/L	<0.001	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium (dissolved)	mg/L	<0.002	CAL	0.005	Qtrly & Contingency	0.005
	Chromium (dissolved)	mg/L	0.016	CAL	0.1	Qtrly & Contingency	0.1
	Chloride	mg/L	2200	IAL	4154	Qtrly & Contingency	NE
	Chloride	mg/L	2200	CAL	4189	Qtrly & Contingency	NE
	Fluoride	mg/L	4.9	IAL	6.3	Qtrly & Contingency	4
	Fluoride	mg/L	4.9	CAL	9	Qtrly & Contingency	4
	Lead, Dissolved	mg/L	<0.002	CAL	0.05	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.002	Qtrly & Contingency	0.002
	Nickel, Dissolved	mg/L	0.024	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	32.2	CAL	120	Qtrly & Contingency	10
	Potassium, Dissolved	mg/L	3	IAL	2	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	3	CAL	2.14	Qtrly & Contingency	NE
	Selenium (dissolved)	mg/L	0.013	CAL	0.05	Qtrly & Contingency	0.05
	Sulfate	mg/L	620	CAL	1901	Qtrly & Contingency	NE
	Total Dissolved Solids	mg/L	4400	CAL	10440	Qtrly & Contingency	NE
	Thallium (dissolved)	mg/L	<0.002	CAL	0.002	Qtrly & Contingency	0.002
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
5/8/2007	pH	SU	7.59	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	8000			Qtrly & Contingency	NE
	Ion Balance	%	2.9	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	180			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	150			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	50			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	1700			Qtrly & Contingency	NE
	Antimony (dissolved)	mg/L	<0.002	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic (dissolved)	mg/L	0.0083	CAL	0.05	Qtrly & Contingency	0.05
	Barium (dissolved)	mg/L	0.038	CAL	2	Qtrly & Contingency	2
	Boron, Dissolved	mg/L	4	IAL	7.1	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	4	CAL	7.2	Qtrly & Contingency	NE
	Beryllium, Dissolved	mg/L	<0.0005	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium (dissolved)	mg/L	<0.001	CAL	0.005	Qtrly & Contingency	0.005

TABLE 1A-14 WATER QUALITY DATA FOR WELL PV-198AR

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
5/8/2007	Chromium (dissolved)	mg/L	0.02	CAL	0.1	Qtrly & Contingency	0.1
	Chloride	mg/L	2200	IAL	4154	Reanalysis	NE
	Chloride	mg/L	2200	CAL	4189	Reanalysis	NE
	Fluoride	mg/L	6	IAL	6.3	Qtrly & Contingency	4
	Fluoride	mg/L	6	CAL	9	Qtrly & Contingency	4
	Lead, Dissolved	mg/L	<0.001	CAL	0.05	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.002	Qtrly & Contingency	0.002
	Nickel, Dissolved	mg/L	0.055	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	32.7	CAL	120	Qtrly & Contingency	10
	Potassium, Dissolved	mg/L	**3.7**	IAL	2	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**3.7**	CAL	2.14	Qtrly & Contingency	NE
	Selenium (dissolved)	mg/L	0.014	CAL	0.05	Qtrly & Contingency	0.05
	Sulfate	mg/L	690	CAL	1901	Reanalysis	NE
	Total Dissolved Solids	mg/L	4600	CAL	10440	Qtrly & Contingency	NE
	Thallium (dissolved)	mg/L	<0.001	CAL	0.002	Qtrly & Contingency	0.002
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
7/26/2007	pH	SU	7.54	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	7700			Qtrly & Contingency	NE
	Ion Balance	%	-1.2	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	150			Qtrly & Contingency	NE
	Calcium	mg/L	150			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	140			Qtrly & Contingency	NE
	Magnesium	mg/L	48			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	49			Qtrly & Contingency	NE
	Sodium	mg/L	1600			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	1600			Qtrly & Contingency	NE
	Mercury	mg/L	<0.0002	CAL	0.002	Qtrly & Contingency	0.002
	Antimony	mg/L	<0.003	CAL	0.006	Qtrly & Contingency	0.006
	Antimony (dissolved)	mg/L	<0.003	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic	mg/L	0.037	CAL	0.05	Qtrly & Contingency	0.05
	Arsenic (dissolved)	mg/L	0.018	CAL	0.05	Qtrly & Contingency	0.05
	Barium	mg/L	0.077	CAL	2	Qtrly & Contingency	2
	Barium (dissolved)	mg/L	0.039	CAL	2	Qtrly & Contingency	2
	Boron	mg/L	3.7	IAL	7.1	Qtrly & Contingency	NE
	Boron	mg/L	3.7	CAL	7.2	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	3.8	IAL	7.1	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	3.8	CAL	7.2	Qtrly & Contingency	NE
	Beryllium	mg/L	<0.001	CAL	0.004	Qtrly & Contingency	0.004
	Beryllium, Dissolved	mg/L	<0.001	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium	mg/L	<0.001	CAL	0.005	Qtrly & Contingency	0.005
	Cadmium (dissolved)	mg/L	<0.001	CAL	0.005	Qtrly & Contingency	0.005
	Chromium	mg/L	**0.27**	CAL	0.1	Qtrly & Contingency	0.1
	Chromium (dissolved)	mg/L	0.015	CAL	0.1	Qtrly & Contingency	0.1
	Chloride	mg/L	2300	IAL	4154	Qtrly & Contingency	NE

TABLE 1A-14 WATER QUALITY DATA FOR WELL PV-198AR

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
7/26/2007	Chloride	mg/L	2300	CAL	4189	Qtrly & Contingency	NE
	Fluoride	mg/L	5.7	IAL	6.3	Reanalysis	4
	Fluoride	mg/L	5.7	CAL	9	Reanalysis	4
	Lead	mg/L	0.0062	CAL	0.05	Qtrly & Contingency	0.05
	Lead, Dissolved	mg/L	<0.001	CAL	0.05	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.002	Qtrly & Contingency	0.002
	Nickel	mg/L	0.08	CAL	0.1	Qtrly & Contingency	0.1
	Nickel, Dissolved	mg/L	0.037	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	34.8	CAL	120	Qtrly & Contingency	10
	Potassium	mg/L	**9.9**	IAL	2	Qtrly & Contingency	NE
	Potassium	mg/L	**9.9**	CAL	2.14	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**6.7**	IAL	2	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**6.7**	CAL	2.14	Qtrly & Contingency	NE
	Selenium	mg/L	0.0078	CAL	0.05	Qtrly & Contingency	0.05
	Selenium (dissolved)	mg/L	0.0071	CAL	0.05	Qtrly & Contingency	0.05
	Sulfate	mg/L	700	CAL	1901	Qtrly & Contingency	NE
	Total Dissolved Solids	mg/L	4700	CAL	10440	Qtrly & Contingency	NE
	Thallium	mg/L	<0.001	CAL	0.002	Qtrly & Contingency	0.002
	Thallium (dissolved)	mg/L	<0.001	CAL	0.002	Qtrly & Contingency	0.002
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
10/31/2007	Boron	mg/L	**4.7**	IAL	4.09	Quarterly	NE
	Boron	mg/L	3.4	IAL	4.09	Reanalysis	NE
	Boron	mg/L	3.4	IAL	4.09	Reanalysis	NE
	Boron, Dissolved	mg/L	**4.6**	IAL	4.09	Quarterly	NE
	Boron, Dissolved	mg/L	3.4	IAL	4.09	Reanalysis	NE
	Boron, Dissolved	mg/L	3.4	IAL	4.09	Reanalysis	NE
	Chloride	mg/L	2000	IAL	2224	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-15 WATER QUALITY DATA FOR WELL PV-206A

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/8/2007	pH	SU	7.47	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	26000			Qtrly & Contingency	NE
	Ion Balance	%	-3.3	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	240			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	920			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	290			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	5000			Qtrly & Contingency	NE
	Total Coliform	+/-		CAL	presence	Qtrly & Contingency	NE
	Antimony (dissolved)	mg/L	<0.005	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic (dissolved)	mg/L	0.0052	CAL	0.049	Qtrly & Contingency	0.05
	Barium (dissolved)	mg/L	0.027	CAL	0.124	Qtrly & Contingency	2
	Boron, Dissolved	mg/L	13	IAL	27.5	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	13	CAL	29.45	Qtrly & Contingency	NE
	Beryllium, Dissolved	mg/L	<0.0025	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium (dissolved)	mg/L	<0.005	CAL	0.039	Qtrly & Contingency	0.005
	Chromium (dissolved)	mg/L	0.013	CAL	0.034	Qtrly & Contingency	0.1
	Chloride	mg/L	**7300**	IAL	7006	Qtrly & Contingency	NE
	Chloride	mg/L	7300	CAL	7809	Qtrly & Contingency	NE
	Fluoride	mg/L	7	IAL	10.6	Qtrly & Contingency	4
	Fluoride	mg/L	7	CAL	12.8	Qtrly & Contingency	4
	Lead, Dissolved	mg/L	<0.005	CAL	0.005	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.001	Qtrly & Contingency	0.002
	Nickel, Dissolved	mg/L	0.039	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	20.9	CAL	28.7	Qtrly & Contingency	10
	Potassium, Dissolved	mg/L	**9.8**	IAL	9.67	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	9.8	CAL	10.69	Qtrly & Contingency	NE
	Selenium (dissolved)	mg/L	**0.051**	CAL	0.035	Qtrly & Contingency	0.05
	Sulfate	mg/L	4600	CAL	10628	Qtrly & Contingency	NE
	Total Dissolved Solids	mg/L	18000	CAL	23129	Qtrly & Contingency	NE
	Thallium (dissolved)	mg/L	<0.002	CAL	0.002	Qtrly & Contingency	0.002
	Bis(2-ethylhexyl)phthalate	mg/L	0.0007	CAL	0.006	Qtrly & Contingency	0.006
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
5/2/2007	pH	SU	7.19	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	25000			Qtrly & Contingency	NE
	Ion Balance	%	-6.4	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	250			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	730			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	270			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	5400			Qtrly & Contingency	NE
	Total Coliform	Present/Absen		CAL	presence	Qtrly & Contingency	NE
	Antimony (dissolved)	mg/L	<0.005	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic (dissolved)	mg/L	<0.005	CAL	0.049	Qtrly & Contingency	0.05
	Barium (dissolved)	mg/L	0.026	CAL	0.124	Qtrly & Contingency	2
	Boron, Dissolved	mg/L	14	IAL	27.5	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	14	CAL	29.45	Qtrly & Contingency	NE

TABLE 1A-15 WATER QUALITY DATA FOR WELL PV-206A

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
5/2/2007	Beryllium, Dissolved	mg/L	<0.0025	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium (dissolved)	mg/L	<0.005	CAL	0.039	Qtrly & Contingency	0.005
	Chromium (dissolved)	mg/L	0.017	CAL	0.034	Qtrly & Contingency	0.1
	Chloride	mg/L	**7600**	IAL	7006	Reanalysis	NE
	Chloride	mg/L	7600	CAL	7809	Reanalysis	NE
	Fluoride	mg/L	4.4	IAL	10.6	Reanalysis	4
	Fluoride	mg/L	4.4	CAL	12.8	Reanalysis	4
	Lead, Dissolved	mg/L	<0.005	CAL	0.005	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.001	Qtrly & Contingency	0.002
	Nickel, Dissolved	mg/L	0.041	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	20.9	CAL	28.7	Qtrly & Contingency	10
	Potassium, Dissolved	mg/L	**18**	IAL	9.67	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	**18**	CAL	10.69	Qtrly & Contingency	NE
	Selenium (dissolved)	mg/L	**0.046**	CAL	0.035	Qtrly & Contingency	0.05
	Sulfate	mg/L	5500	CAL	10628	Reanalysis	NE
	Total Dissolved Solids	mg/L	18000	CAL	23129	Qtrly & Contingency	NE
	Thallium (dissolved)	mg/L	<0.002	CAL	0.002	Qtrly & Contingency	0.002
	Bis(2-ethylhexyl)phthalate	mg/L	0.0025	CAL	0.006	Qtrly & Contingency	0.006
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
7/20/2007	pH	SU	7.26	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	25000			Qtrly & Contingency	NE
	Ion Balance	%	-0.4	CAL	NE	Qtrly & Contingency	NE
	Alkalinity	mg/L	270			Qtrly & Contingency	NE
	Calcium	mg/L	810			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	790			Qtrly & Contingency	NE
	Magnesium	mg/L	280			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	290			Qtrly & Contingency	NE
	Sodium	mg/L	5400			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	5800			Qtrly & Contingency	NE
	Total Coliform	Present/Absen		CAL	presence	Qtrly & Contingency	NE
	Mercury	mg/L	<0.0002	CAL	0.001	Qtrly & Contingency	0.002
	Antimony	mg/L	<0.01	CAL	0.006	Qtrly & Contingency	0.006
	Antimony (dissolved)	mg/L	<0.005	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic	mg/L	0.0098	CAL	0.049	Qtrly & Contingency	0.05
	Arsenic (dissolved)	mg/L	<0.005	CAL	0.049	Qtrly & Contingency	0.05
	Barium	mg/L	0.026	CAL	0.124	Qtrly & Contingency	2
	Barium (dissolved)	mg/L	0.026	CAL	0.124	Qtrly & Contingency	2
	Boron	mg/L	15	IAL	27.5	Qtrly & Contingency	NE
	Boron	mg/L	15	CAL	29.45	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	16	IAL	27.5	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	16	CAL	29.45	Qtrly & Contingency	NE
	Beryllium	mg/L	<0.0025	CAL	0.004	Qtrly & Contingency	0.004
	Beryllium, Dissolved	mg/L	<0.0025	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium	mg/L	<0.005	CAL	0.039	Qtrly & Contingency	0.005
	Cadmium (dissolved)	mg/L	<0.005	CAL	0.039	Qtrly & Contingency	0.005

TABLE 1A-15 WATER QUALITY DATA FOR WELL PV-206A

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
7/20/2007	Chromium	mg/L	0.03	CAL	0.034	Qtrly & Contingency	0.1
	Chromium (dissolved)	mg/L	0.016	CAL	0.034	Qtrly & Contingency	0.1
	Chloride	mg/L	6700	IAL	7006	Qtrly & Contingency	NE
	Chloride	mg/L	6700	CAL	7809	Qtrly & Contingency	NE
	Fluoride	mg/L	6.3	IAL	10.6	Qtrly & Contingency	4
	Fluoride	mg/L	6.3	CAL	12.8	Qtrly & Contingency	4
	Lead	mg/L	<0.005	CAL	0.005	Qtrly & Contingency	0.05
	Lead, Dissolved	mg/L	<0.005	CAL	0.005	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.001	Qtrly & Contingency	0.002
	Nickel	mg/L	0.041	CAL	0.1	Qtrly & Contingency	0.1
	Nickel, Dissolved	mg/L	0.042	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	24.2	CAL	28.7	Qtrly & Contingency	10
	Potassium	mg/L	**16**	IAL	9.67	Qtrly & Contingency	NE
	Potassium	mg/L	**16**	CAL	10.69	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	8.8	IAL	9.67	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	8.8	CAL	10.69	Qtrly & Contingency	NE
	Selenium	mg/L	**0.041**	CAL	0.035	Qtrly & Contingency	0.05
	Selenium (dissolved)	mg/L	**0.049**	CAL	0.035	Qtrly & Contingency	0.05
	Sulfate	mg/L	5100	CAL	10628	Qtrly & Contingency	NE
	Total Dissolved Solids	mg/L	20000	CAL	23129	Qtrly & Contingency	NE
	Thallium	mg/L	<0.005	CAL	0.002	Qtrly & Contingency	0.002
	Thallium (dissolved)	mg/L	<0.005	CAL	0.002	Qtrly & Contingency	0.002
	Benzo(a)pyrene	mg/L	<0.0002			Reanalysis	NE
	Di (2-ethylhexyl) adipate	mg/L	<0.006			Reanalysis	NE
	Bis(2-ethylhexyl)phthalate	mg/L	<0.006	CAL	0.006	Reanalysis	0.006
	Hexachlorobenzene	mg/L	<0.001			Reanalysis	NE
	Hexachlorocyclopentadiene	mg/L	<0.001			Reanalysis	NE
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
10/30/2007	Boron	mg/L	23	IAL	27.5	Quarterly	NE
	Boron, Dissolved	mg/L	23	IAL	27.5	Quarterly	NE
	Chloride	mg/L	6300	IAL	8312	Reanalysis	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
` = Not established
- Less than the indicated reporting limit

TABLE 1A-16 WATER QUALITY DATA FOR WELL PV-206B

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/14/2007	Boron, Dissolved	mg/L	**8**	Verify AL	3.68	Qtrly & Contingency	NE
	Chloride	mg/L	6300	Verify AL	9608	Qtrly & Contingency	NE
	Fluoride	mg/L	**5**	Verify AL	4.1	Qtrly & Contingency	4
	Fluoride	mg/L	**4.4**	Verify AL	4.1	Reanalysis	4
	Potassium, Dissolved	mg/L	14	Verify AL	18.27	Qtrly & Contingency	NE
	Tritium	mg/L	<3000	Verify AL	3000	Qtrly & Contingency	20000
	Iodine-131	mg/L	<100	Verify AL	100	Qtrly & Contingency	100
	Cesium-137	mg/L	<50	Verify AL	50	Qtrly & Contingency	110
	Cobalt-60	mg/L	<100	Verify AL	100	Qtrly & Contingency	200
5/3/2007	Boron, Dissolved	mg/L	**7.8**	Verify AL	3.68	Qtrly & Contingency	NE
	Chloride	mg/L	7300	Verify AL	9608	Reanalysis	NE
	Fluoride	mg/L	3.3	Verify AL	4.1	Qtrly & Contingency	4
	Potassium, Dissolved	mg/L	**22**	Verify AL	18.27	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	15	Verify AL	18.27	Reanalysis	NE
	Tritium	mg/L	<3000	Verify AL	3000	Qtrly & Contingency	20000
	Iodine-131	mg/L	<100	Verify AL	100	Qtrly & Contingency	100
	Cesium-137	mg/L	<50	Verify AL	50	Qtrly & Contingency	110
	Cobalt-60	mg/L	<100	Verify AL	100	Qtrly & Contingency	200
7/20/2007	Boron	mg/L	**8.1**	Verify AL	3.68	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	**8**	Verify AL	3.68	Qtrly & Contingency	NE
	Chloride	mg/L	7400	Verify AL	9608	Qtrly & Contingency	NE
	Fluoride	mg/L	**4.5**	Verify AL	4.1	Qtrly & Contingency	4
	Potassium	mg/L	**19**	Verify AL	18.27	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	12	Verify AL	18.27	Qtrly & Contingency	NE
	Tritium	mg/L	<3000	Verify AL	3000	Qtrly & Contingency	20000
	Iodine-131	mg/L	<100	Verify AL	100	Qtrly & Contingency	100
	Cesium-137	mg/L	<50	Verify AL	50	Qtrly & Contingency	110
	Cobalt-60	mg/L	<100	Verify AL	100	Qtrly & Contingency	200

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-17 WATER QUALITY DATA FOR WELL PV-33H

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/26/2007	Boron, Dissolved	mg/L	6	IAL	7.52	Quarterly	NE
	Boron, Dissolved	mg/L	6	CAL	8.39	Quarterly	NE
	Chloride	mg/L	4400	IAL	6947	Reanalysis	NE
	Chloride	mg/L	4400	CAL	7919	Reanalysis	NE
	Fluoride	mg/L	2.6	IAL	3.5	Quarterly	4
	Fluoride	mg/L	2.6	CAL	3.9	Quarterly	4
	Potassium, Dissolved	mg/L	**6.6**	IAL	5.34	Quarterly	NE
	Potassium, Dissolved	mg/L	**8.9**	IAL	5.34	Reanalysis	NE
	Potassium, Dissolved	mg/L	6.6	CAL	6.73	Quarterly	NE
	Potassium, Dissolved	mg/L	**8.9**	CAL	6.73	Reanalysis	NE
	Tritium	pCi/L	<1000	IAL	1000	Quarterly	20000
	Tritium	pCi/L	<1000	CAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cesium-137	pCi/L	<50	CAL	110	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
	Cobalt-60	pCi/L	<100	CAL	200	Quarterly	200
4/19/2007	Boron, Dissolved	mg/L	**7.7**	IAL	7.52	Reanalysis	NE
	Boron, Dissolved	mg/L	**7.6**	IAL	7.52	Verification	NE
	Boron, Dissolved	mg/L	7.7	CAL	8.39	Reanalysis	NE
	Boron, Dissolved	mg/L	7.6	CAL	8.39	Verification	NE
	Chloride	mg/L	3800	IAL	6947	Verification	NE
	Chloride	mg/L	3800	CAL	7919	Verification	NE
	Fluoride	mg/L	**4**	IAL	3.5	Reanalysis	4
	Fluoride	mg/L	**4.4**	IAL	3.5	Verification	4
	Fluoride	mg/L	**4**	CAL	3.9	Reanalysis	4
	Fluoride	mg/L	**4.4**	CAL	3.9	Verification	4
	Potassium, Dissolved	mg/L	2.1	IAL	5.34	Verification	NE
	Potassium, Dissolved	mg/L	2.1	CAL	6.73	Verification	NE
	Tritium	pCi/L	<1000	IAL	1000	Verification	20000
	Tritium	pCi/L	<1000	CAL	3000	Verification	20000
	Cesium-137	pCi/L	<50	IAL	50	Verification	110
	Cesium-137	pCi/L	<50	CAL	110	Verification	110
	Cobalt-60	pCi/L	<100	IAL	100	Verification	200
	Cobalt-60	pCi/L	<100	CAL	200	Verification	200
6/5/2007	Boron	mg/L	6.5	IAL	7.52	2nd Verification	NE
	Boron	mg/L	6.5	CAL	8.39	2nd Verification	NE
	Boron, Dissolved	mg/L	6.7	IAL	7.52	2nd Verification	NE
	Boron, Dissolved	mg/L	6.7	CAL	8.39	2nd Verification	NE
	Chloride	mg/L	4300	IAL	6947	2nd Verification	NE
	Chloride	mg/L	4300	CAL	7919	2nd Verification	NE
	Fluoride	mg/L	**6**	IAL	3.5	2nd Verification	4
	Fluoride	mg/L	**6**	CAL	3.9	2nd Verification	4
	Potassium	mg/L	**26**	IAL	5.34	2nd Verification	NE
	Potassium	mg/L	**26**	CAL	6.73	2nd Verification	NE
	Potassium, Dissolved	mg/L	3	IAL	5.34	2nd Verification	NE
	Potassium, Dissolved	mg/L	3	CAL	6.73	2nd Verification	NE
	Tritium	pCi/L	<1000	IAL	1000	2nd Verification	20000
	Tritium	pCi/L	<1000	CAL	3000	2nd Verification	20000
	Cesium-137	pCi/L	<50	IAL	50	2nd Verification	110
	Cesium-137	pCi/L	<50	CAL	110	2nd Verification	110
	Cobalt-60	pCi/L	<100	IAL	100	2nd Verification	200
	Cobalt-60	pCi/L	<100	CAL	200	2nd Verification	200

TABLE 1A-17 WATER QUALITY DATA FOR WELL PV-33H

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-18 WATER QUALITY DATA FOR WELL PV-33HB

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
4/19/2007	Boron, Dissolved	mg/L	6.7	Verify AL	10.79	Verification	NE
	Chloride	mg/L	4400	Verify AL	5684	Verification	NE
	Fluoride	mg/L	4.3	Verify AL	8.2	Verification	4
	Potassium, Dissolved	mg/L	2.7	Verify AL	4.04	Verification	NE
	Tritium	mg/L	<3000	Verify AL	3000	Verification	20000
	Iodine-131	mg/L	<100	Verify AL	100	Verification	100
	Cesium-137	mg/L	<50	Verify AL	50	Verification	110
	Cobalt-60	mg/L	<100	Verify AL	100	Verification	200
6/5/2007	Boron	mg/L	7.2	Verify AL	10.79	2nd Verification	NE
	Boron, Dissolved	mg/L	7	Verify AL	10.79	2nd Verification	NE
	Chloride	mg/L	4100	Verify AL	5684	2nd Verification	NE
	Fluoride	mg/L	6	Verify AL	8.2	2nd Verification	4
	Potassium	mg/L	**15**	Verify AL	4.04	2nd Verification	NE
	Potassium, Dissolved	mg/L	3	Verify AL	4.04	2nd Verification	NE
	Tritium	mg/L	<3000	Verify AL	3000	2nd Verification	20000
	Iodine-131	mg/L	<100	Verify AL	100	2nd Verification	100
	Cesium-137	mg/L	<50	Verify AL	50	2nd Verification	110
	Cobalt-60	mg/L	<100	Verify AL	100	2nd Verification	200

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
= Alert Level
L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-19 WATER QUALITY DATA FOR WELL PV-34H

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
3/7/2007	Boron, Dissolved	mg/L	6.1	IAL	10.55	Quarterly	NE
	Boron, Dissolved	mg/L	6.1	CAL	11.58	Quarterly	NE
	Chloride	mg/L	2200	IAL	2583	Quarterly	NE
	Chloride	mg/L	2200	CAL	2767	Quarterly	NE
	Fluoride	mg/L	13	IAL	24.1	Quarterly	4
	Fluoride	mg/L	13	CAL	27.7	Quarterly	4
	Potassium, Dissolved	mg/L	**2.6**	IAL	1.72	Quarterly	NE
	Potassium, Dissolved	mg/L	**3.9**	IAL	1.72	Reanalysis	NE
	Potassium, Dissolved	mg/L	**2.6**	CAL	2.16	Quarterly	NE
	Potassium, Dissolved	mg/L	**3.9**	CAL	2.16	Reanalysis	NE
	Tritium	pCi/L	<1000	IAL	1000	Quarterly	20000
	Tritium	pCi/L	<1000	CAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cesium-137	pCi/L	<50	CAL	110	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
	Cobalt-60	pCi/L	<100	CAL	200	Quarterly	200
4/4/2007	Boron, Dissolved	mg/L	6.4	IAL	10.55	Verification	NE
	Boron, Dissolved	mg/L	6.4	CAL	11.58	Verification	NE
	Chloride	mg/L	2400	IAL	2583	Verification	NE
	Chloride	mg/L	2400	CAL	2767	Verification	NE
	Fluoride	mg/L	13	IAL	24.1	Verification	4
	Fluoride	mg/L	13	CAL	27.7	Verification	4
	Potassium, Dissolved	mg/L	**2.8**	IAL	1.72	Verification	NE
	Potassium, Dissolved	mg/L	**2.8**	CAL	2.16	Verification	NE
	Tritium	pCi/L	<1000	IAL	1000	Verification	20000
	Tritium	pCi/L	<1000	CAL	3000	Verification	20000
	Cesium-137	pCi/L	<50	IAL	50	Verification	110
	Cesium-137	pCi/L	<50	CAL	110	Verification	110
	Cobalt-60	pCi/L	<100	IAL	100	Verification	200
	Cobalt-60	pCi/L	<100	CAL	200	Verification	200
6/12/2007	pH	SU	8.07	CAL	<6, >9	Qtrly & Contingency	NE
	Specific Conductance	umhos/cm	10000			Qtrly & Contingency	NE
	Ion Balance	%	-1.5			Qtrly & Contingency	NE
	Alkalinity	mg/L	440			Qtrly & Contingency	NE
	Calcium	mg/L	22			Qtrly & Contingency	NE
	Calcium, Dissolved	mg/L	20			Qtrly & Contingency	NE
	Magnesium	mg/L	13			Qtrly & Contingency	NE
	Magnesium, Dissolved	mg/L	11			Qtrly & Contingency	NE
	Sodium	mg/L	2300			Qtrly & Contingency	NE
	Sodium, Dissolved	mg/L	2400			Qtrly & Contingency	NE
	Mercury	mg/L	<0.0002	CAL	0.002	Qtrly & Contingency	0.002
	Antimony	mg/L	<0.002	CAL	0.006	Qtrly & Contingency	0.006
	Antimony (dissolved)	mg/L	<0.002	CAL	0.006	Qtrly & Contingency	0.006
	Arsenic	mg/L	0.093	CAL	0.2	Qtrly & Contingency	0.05
	Arsenic (dissolved)	mg/L	0.09	CAL	0.2	Qtrly & Contingency	0.05
	Barium	mg/L	0.049	CAL	0.154	Qtrly & Contingency	2
	Barium (dissolved)	mg/L	0.04	CAL	0.154	Qtrly & Contingency	2
	Boron	mg/L	7	IAL	10.55	Qtrly & Contingency	NE
	Boron	mg/L	7	CAL	11.58	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	6.5	IAL	10.55	Qtrly & Contingency	NE
	Boron, Dissolved	mg/L	6.5	CAL	11.58	Qtrly & Contingency	NE
	Beryllium	mg/L	<0.0005	CAL	0.004	Qtrly & Contingency	0.004

TABLE 1A-19 WATER QUALITY DATA FOR WELL PV-34H

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
6/12/2007	Beryllium, Dissolved	mg/L	<0.0005	CAL	0.004	Qtrly & Contingency	0.004
	Cadmium	mg/L	<0.001	CAL	0.027	Qtrly & Contingency	0.005
	Cadmium (dissolved)	mg/L	<0.001	CAL	0.027	Qtrly & Contingency	0.005
	Chromium	mg/L	0.057	CAL	0.081	Qtrly & Contingency	0.1
	Chromium (dissolved)	mg/L	0.0082	CAL	0.081	Qtrly & Contingency	0.1
	Chloride	mg/L	2100	IAL	2583	Qtrly & Contingency	NE
	Chloride	mg/L	2100	CAL	2767	Qtrly & Contingency	NE
	Fluoride	mg/L	13	IAL	24.1	Qtrly & Contingency	4
	Fluoride	mg/L	13	CAL	27.7	Qtrly & Contingency	4
	Lead	mg/L	0.0011	CAL	0.017	Qtrly & Contingency	0.05
	Lead, Dissolved	mg/L	<0.001	CAL	0.017	Qtrly & Contingency	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.002	Qtrly & Contingency	0.002
	Nickel	mg/L	0.032	CAL	0.1	Qtrly & Contingency	0.1
	Nickel, Dissolved	mg/L	0.024	CAL	0.1	Qtrly & Contingency	0.1
	Nitrate/Nitrite-N	mg/L	72	CAL	125	Qtrly & Contingency	10
	Potassium	mg/L	0.86	IAL	1.72	Qtrly & Contingency	NE
	Potassium	mg/L	0.86	CAL	2.16	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	0.93	IAL	1.72	Qtrly & Contingency	NE
	Potassium, Dissolved	mg/L	0.93	CAL	2.16	Qtrly & Contingency	NE
	Selenium	mg/L	0.036	CAL	0.061	Qtrly & Contingency	0.05
	Selenium (dissolved)	mg/L	0.033	CAL	0.061	Qtrly & Contingency	0.05
	Sulfate	mg/L	1700	CAL	2355	Qtrly & Contingency	NE
	Total Dissolved Solids	mg/L	6900	CAL	9318	Qtrly & Contingency	NE
	Thallium	mg/L	<0.001	CAL	0.002	Qtrly & Contingency	0.002
	Thallium (dissolved)	mg/L	<0.001	CAL	0.002	Qtrly & Contingency	0.002
	Tritium	pCi/L	<3000	IAL	1000	Qtrly & Contingency	20000
	Tritium	pCi/L	<3000	CAL	3000	Qtrly & Contingency	20000
	Iodine-131	pCi/L	<100	CAL	100	Qtrly & Contingency	100
	Cesium-134	pCi/L	<75	CAL	75	Qtrly & Contingency	75
	Cesium-137	pCi/L	<110	IAL	50	Qtrly & Contingency	110
	Cesium-137	pCi/L	<110	CAL	110	Qtrly & Contingency	110
	Cobalt-60	pCi/L	<200	IAL	100	Qtrly & Contingency	200
	Cobalt-60	pCi/L	<200	CAL	200	Qtrly & Contingency	200
6/21/2007	Nitrate/Nitrite-N	mg/L	74.8	CAL	125	Qtrly & Contingency	10
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Qtrly & Contingency	0.1
8/3/2007	pH	SU	8.05	CAL	<6, >9	Quarterly	NE
	Specific Conductance	umhos/cm	10000			Quarterly	NE
	Ion Balance	%	8.3			Quarterly	NE
	Alkalinity	mg/L	460			Quarterly	NE
	Calcium	mg/L	20			Quarterly	NE
	Calcium, Dissolved	mg/L	20			Quarterly	NE
	Magnesium	mg/L	12			Quarterly	NE
	Magnesium, Dissolved	mg/L	12			Quarterly	NE
	Sodium	mg/L	2900			Quarterly	NE
	Sodium, Dissolved	mg/L	2800			Quarterly	NE
	Mercury	mg/L	<0.0002	CAL	0.002	Quarterly	0.002
	Antimony	mg/L	<0.015	CAL	0.006	Quarterly	0.006
	Antimony (dissolved)	mg/L	<0.003	CAL	0.006	Quarterly	0.006
	Arsenic	mg/L	0.1	CAL	0.2	Quarterly	0.05
	Arsenic (dissolved)	mg/L	0.097	CAL	0.2	Quarterly	0.05
	Barium	mg/L	0.044	CAL	0.154	Quarterly	2
	Barium (dissolved)	mg/L	0.036	CAL	0.154	Quarterly	2

TABLE 1A-19 WATER QUALITY DATA FOR WELL PV-34H

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
8/3/2007	Boron	mg/L	6.4	IAL	10.55	Quarterly	NE
	Boron	mg/L	6.4	CAL	11.58	Quarterly	NE
	Boron, Dissolved	mg/L	6.5	IAL	10.55	Quarterly	NE
	Boron, Dissolved	mg/L	6.5	CAL	11.58	Quarterly	NE
	Beryllium	mg/L	<0.005	CAL	0.004	Quarterly	0.004
	Beryllium, Dissolved	mg/L	<0.001	CAL	0.004	Quarterly	0.004
	Cadmium	mg/L	<0.005	CAL	0.027	Quarterly	0.005
	Cadmium (dissolved)	mg/L	<0.001	CAL	0.027	Quarterly	0.005
	Chromium	mg/L	0.011	CAL	0.081	Quarterly	0.1
	Chromium (dissolved)	mg/L	0.0096	CAL	0.081	Quarterly	0.1
	Chloride	mg/L	2200	IAL	2583	Quarterly	NE
	Chloride	mg/L	2200	CAL	2767	Quarterly	NE
	Fluoride	mg/L	13	IAL	24.1	Quarterly	4
	Fluoride	mg/L	13	CAL	27.7	Quarterly	4
	Lead	mg/L	<0.005	CAL	0.017	Quarterly	0.05
	Lead, Dissolved	mg/L	<0.001	CAL	0.017	Quarterly	0.05
	Mercury, Dissolved	mg/L	<0.0002	CAL	0.002	Quarterly	0.002
	Nickel	mg/L	0.024	CAL	0.1	Quarterly	0.1
	Nickel, Dissolved	mg/L	0.034	CAL	0.1	Quarterly	0.1
	Nitrate/Nitrite-N	mg/L	78.7	CAL	125	Quarterly	10
	Potassium	mg/L	**7.9**	IAL	1.72	Quarterly	NE
	Potassium	mg/L	**7.9**	CAL	2.16	Quarterly	NE
	Potassium, Dissolved	mg/L	**8**	IAL	1.72	Quarterly	NE
	Potassium, Dissolved	mg/L	**8**	CAL	2.16	Quarterly	NE
	Selenium	mg/L	0.038	CAL	0.061	Quarterly	0.05
	Selenium (dissolved)	mg/L	0.042	CAL	0.061	Quarterly	0.05
	Sulfate	mg/L	1700	CAL	2355	Quarterly	NE
	Total Dissolved Solids	mg/L	7500	CAL	9318	Quarterly	NE
	Thallium	mg/L	<0.005	CAL	0.002	Quarterly	0.002
	Thallium (dissolved)	mg/L	<0.001	CAL	0.002	Quarterly	0.002
	Total Trihalomethanes	mg/L	<0.002	CAL	0.1	Quarterly	0.1
	Tritium	pCi/L	<3000	IAL	1000	Quarterly	20000
	Tritium	pCi/L	<3000	CAL	3000	Quarterly	20000
	Iodine-131	pCi/L	<100	CAL	100	Quarterly	100
	Cesium-134	pCi/L	<75	CAL	75	Quarterly	75
	Cesium-137	pCi/L	<110	IAL	50	Quarterly	110
	Cesium-137	pCi/L	<110	CAL	110	Quarterly	110
	Cobalt-60	pCi/L	<200	IAL	100	Quarterly	200
	Cobalt-60	pCi/L	<200	CAL	200	Quarterly	200
11/14/2007	Boron	mg/L	6.1	IAL	10.55	Quarterly	NE
	Boron, Dissolved	mg/L	6.1	IAL	10.55	Quarterly	NE
	Chloride	mg/L	2100	IAL	2583	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

TABLE 1A-19 WATER QUALITY DATA FOR WELL PV-34H

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-20 WATER QUALITY DATA FOR WELL PV-Q8

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
2/23/2007	Boron, Dissolved	mg/L	2.9	IAL	TBD	Reanalysis	NE
	Chloride	mg/L	3400	IAL	TBD	Quarterly	NE
	Fluoride	mg/L	4.7	IAL	TBD	Quarterly	4
	Potassium, Dissolved	mg/L	4	IAL	TBD	Quarterly	NE
	Tritium	pCi/L	<1000	IAL	1000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
5/30/2007	Boron	mg/L	2.9	IAL	TBD	Quarterly	NE
	Boron, Dissolved	mg/L	2.9	IAL	TBD	Quarterly	NE
	Chloride	mg/L	3100	IAL	TBD	Quarterly	NE
	Fluoride	mg/L	2.8	IAL	TBD	Quarterly	4
	Potassium	mg/L	6.7	IAL	TBD	Quarterly	NE
	Potassium, Dissolved	mg/L	5.3	IAL	TBD	Quarterly	NE
	Tritium	pCi/L	<1000	IAL	1000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
7/27/2007	Boron	mg/L	3.2	IAL	TBD	Quarterly	NE
	Boron, Dissolved	mg/L	3.1	IAL	TBD	Quarterly	NE
	Chloride	mg/L	3700	IAL	TBD	Quarterly	NE
	Fluoride	mg/L	2.9	IAL	TBD	Reanalysis	4
	Potassium	mg/L	11	IAL	TBD	Quarterly	NE
	Potassium, Dissolved	mg/L	9.9	IAL	TBD	Quarterly	NE
	Tritium	pCi/L	<1000	IAL	1000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
11/1/2007	Boron	mg/L	**3.8**	IAL	3	Quarterly	NE
	Boron	mg/L	2.7	IAL	3	Reanalysis	NE
	Boron	mg/L	2.7	IAL	3	Reanalysis	NE
	Boron, Dissolved	mg/L	**3.5**	IAL	3	Quarterly	NE
	Boron, Dissolved	mg/L	2.6	IAL	3	Reanalysis	NE
	Boron, Dissolved	mg/L	2.7	IAL	3	Reanalysis	NE
	Chloride	mg/L	3000	IAL	3755	Quarterly	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

TABLE 1A-21 WATER QUALITY DATA FOR WELL PV-R2AR

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
3/16/2007	Boron, Dissolved	mg/L	1.5	IAL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	1.5	CAL	Resd	Quarterly	NE
	Chloride	mg/L	5600	IAL	Resd	Quarterly	NE
	Chloride	mg/L	5600	CAL	Resd	Quarterly	NE
	Fluoride	mg/L	2.2	IAL	Resd	Quarterly	4
	Fluoride	mg/L	2.2	CAL	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	7.5	IAL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	7.5	CAL	Resd	Quarterly	NE
	Tritium	pCi/L	<1000	IAL	1000	Quarterly	20000
	Tritium	pCi/L	<1000	CAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cesium-137	pCi/L	<50	CAL	110	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
	Cobalt-60	pCi/L	<100	CAL	200	Quarterly	200
6/29/2007	Boron	mg/L	2	IAL	Resd	Quarterly	NE
	Boron	mg/L	2	CAL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	2	IAL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	2	CAL	Resd	Quarterly	NE
	Chloride	mg/L	5400	IAL	Resd	Reanalysis	NE
	Chloride	mg/L	5400	CAL	Resd	Reanalysis	NE
	Fluoride	mg/L	3.6	IAL	Resd	Quarterly	4
	Fluoride	mg/L	3.6	CAL	Resd	Quarterly	4
	Potassium	mg/L	8	IAL	Resd	Quarterly	NE
	Potassium	mg/L	8	CAL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	5.9	IAL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	5.9	CAL	Resd	Quarterly	NE
	Tritium	pCi/L	<1000	IAL	1000	Quarterly	20000
	Tritium	pCi/L	<1000	CAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cesium-137	pCi/L	<50	CAL	110	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
	Cobalt-60	pCi/L	<100	CAL	200	Quarterly	200
9/19/2007	Boron	mg/L	1.9	IAL	Resd	Quarterly	NE
	Boron	mg/L	1.9	CAL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	1.9	IAL	Resd	Quarterly	NE
	Boron, Dissolved	mg/L	1.9	CAL	Resd	Quarterly	NE
	Chloride	mg/L	5300	IAL	Resd	Quarterly	NE
	Chloride	mg/L	5300	CAL	Resd	Quarterly	NE
	Fluoride	mg/L	5.7	IAL	Resd	Quarterly	4
	Fluoride	mg/L	5.7	CAL	Resd	Quarterly	4
	Potassium	mg/L	23	IAL	Resd	Quarterly	NE
	Potassium	mg/L	23	CAL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	22	IAL	Resd	Quarterly	NE
	Potassium, Dissolved	mg/L	22	CAL	Resd	Quarterly	NE
	Tritium	pCi/L	<1000	IAL	1000	Quarterly	20000
	Tritium	pCi/L	<1000	CAL	3000	Quarterly	20000
	Cesium-137	pCi/L	<50	IAL	50	Quarterly	110
	Cesium-137	pCi/L	<50	CAL	110	Quarterly	110
	Cobalt-60	pCi/L	<100	IAL	100	Quarterly	200
	Cobalt-60	pCi/L	<100	CAL	200	Quarterly	200
11/20/2007	Boron	mg/L	1.6	IAL	2.22	Quarterly	NE
	Boron, Dissolved	mg/L	1.5	IAL	2.22	Quarterly	NE

TABLE 1A-21 WATER QUALITY DATA FOR WELL PV-R2AR

SAMPLE DATE	PARAMETER	UNITS	RESULTS	AL TYPE	ALERT LEVEL	SAMPLE TYPE	AWQS
11/20/2007	Chloride	mg/L	**6400**	IAL	5812	Quarterly	NE
	Chloride	mg/L	5200	IAL	5812	Reanalysis	NE
	Chloride	mg/L	5200	IAL	5812	Reanalysis	NE
	Tritium	pCi/L	<3000	IAL	3000	Quarterly	20000

IAL = Indicator Alert Level
AWQS = Aquifer water quality standard
AQL = Aquifer Quality Limit
CAL = Contingency Alert Level
AL = Alert Level
mg/L = miligrams per liter
pCi/L = PicoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
NE = Not established
< = Less than the indicated reporting limit

1. GROUNDWATER MONITORING

B. TRENDS IN GROUNDWATER CHEMISTRY

TABLE 1B-1. GENERALIZED 2004-2007 TRENDS OF INDICATOR PARAMETER

WELL ID	GENERALIZED TRENDS IN CONCENTRATIONS			
	BORON	FLUORIDE	POTASSIUM	CHLORIDE
APP-3	No Trend	No Trend	No Trend	Increasing
APP-4[1]	No Trend	No Trend	Decreasing	No Trend
APP-5	No Trend	No Trend	No Trend	No Trend
APP-6	No Trend	No Trend	No Trend	No Trend
PV-14H	No Trend	No Trend	No Trend	Increasing
PV-14HB	No Trend	No Trend	Increasing	Increasing
PV-193A	No Trend	Increasing	No Trend	No Trend
PV-195A	No Trend	No Trend	Increasing	No Trend
PV-198AR	No Trend	No Trend	Increasing	Increasing
PV-206A	No Trend	No Trend	No Trend	No Trend
PV-206B	No Trend	No Trend	No Trend	No Trend
PV-33H[2]	No Trend	No Trend	No Trend	Decreasing
PV-34H	Increasing	No Trend	No Trend	Increasing
PV-Q8	No Trend	No Trend	Increasing	Increasing
PV-R2AR	No Trend	No Trend	Increasing	Increasing

Notes:

[1] APP-4 well abandoned in June 13, 2007

[2]PV-33H abondoned on June 11, 2007

1. GROUNDWATER MONITORING

C. INDICATOR PARAMETER CONCENTRATION CONTOUR MAPS, AND ALL EXCEEDANCES VERIFIED DURING THE ONE-YEAR REPORTING PERIOD

SECTION 1C – INTRODUCTION

Section 13.4.1 A.1.c of the Aquifer Protection Permit (APP) requested indicator parameter concentration contour maps and all exceedances verified during the one-year reporting period. As presented in the submitted site characterization work completed for the APP, the site is composed of multiple levels of saturation resulting from infiltration of excess irrigation water when the site was actively farmed. This fact, and the heterogeneous nature of the site geology, has resulted in a high degree of both spatial and temporal variability in inorganic water quality. These characteristics result in localized water level and water quality conditions. The water quality results, in particular, are not amenable to contouring, nor would the results be technically meaningful. Therefore, rather than prepare contour maps of indicator parameter concentrations, selected quarterly data have been presented on Figures 1-1 through 1-4.

TABLE 1C-1. EXCEEDANCES VERIFIED DURING 2007

WELL	SAMPLE DATE	ANALYSIS DATE	METHOD	ANALYTE	RESULT (mg/L, standard units for pH)	ALERT LEVEL TYPE	ALERT LEVEL (mg/L, standard units for pH)	COMMENT
APP-6	3/7/07	3/10/07	SM4500H-B	pH	9.41	AL	<6, >9	Ambient monitoring showed pHs above the alert level. ADEQ has been notified.
	8/17/07	8/17/07	SM4500H-B	pH	9.37	AL	<6, >9	Ambient monitoring showed pHs above the alert level. ADEQ has been notified.
PV-14H	3/7/07	4/3/07	EPA 300.0	Chloride	2300	CAL	2256	in CAL Contingency for TDS
	3/7/07	3/16/07	EPA 200.7-Diss	Potassium, Dissolved	3.9	CAL	3	in CAL Contingency for TDS
	3/7/07	3/10/07	SM2540C	Total Dissolved Solids	7300	CAL	7005	in CAL Contingency for TDS
	6/22/07	6/29/07	EPA 300.0	Chloride	2400	CAL	2256	in CAL Contingency for K, Cl and TDS
	6/22/07	6/28/07	SM2540C	Total Dissolved Solids	7400	CAL	7005	in CAL Contingency for K, Cl and TDS
	8/17/07	8/21/07	EPA 300.0	Chloride	2300	CAL	2256	in CAL Contingency for K, Cl and TDS
	8/17/07	8/22/07	EPA 200.7	Potassium	9.4	CAL	3	in CAL Contingency for K, Cl and TDS
	8/17/07	8/23/07	EPA 200.7	Potassium, Dissolved	7.3	CAL	3	in CAL Contingency for K, Cl and TDS
	8/17/07	8/21/07	SM2540C	Total Dissolved Solids	7300	CAL	7005	in CAL Contingency for K, Cl and TDS
PV-14HB	3/7/07	3/13/07	EPA 300.0	Chloride	2300	AL	2174	
	3/7/07	3/15/07	EPA 200.7-Diss	Potassium, Dissolved	4.3	IAL	2.3	
	6/22/07	6/29/07	EPA 300.0	Chloride	2400	IAL	2174	
	6/22/07	7/6/07	EPA 200.7-Diss	Potassium, Dissolved	3.4	IAL	2.3	
	8/17/07	8/21/07	EPA 300.0	Chloride	2400	IAL	2174	
	8/17/07	8/23/07	EPA 200.7	Potassium, Dissolved	7.2	IAL	2.3	
PV-193A	6/12/07	6/20/07	EPA 300.0	Fluoride	5.8	IAL	3.99	Not in contingency monitoring.
PV-193B	4/4/07	4/9/07	EPA 300.0	Chloride	7200	IAL	6178	exceeds AL
	7/13/07	7/20/07	EPA 300.0	Fluoride	5.3	IAL	4	exceeds AL
	10/3/07	10/10/07	EPA 200.7-Diss	Potassium, Dissolved	7.1	IAL	6.2	Well removed from permit before sample results received. No verification sample.
PV-195A	3/8/07	3/16/07	EPA 200.7-Diss	Potassium, Dissolved	9.7	CAL	8.5	in CAL Contingency for F and K
	6/28/07	7/6/07	EPA 200.7-Diss	Potassium, Dissolved	12	CAL	8.5	in CAL Contingency for F and K
	8/28/07	9/11/07	EPA 200.8	Arsenic, Dissolved	0.075	CAL	0.071	dissolved As exceeded but total As is below, asked for reanalysis, waiting for results, already in CAL Contingency, new permit transition
	8/28/07	9/7/07	EPA 300.0	Fluoride	8.6	CAL	5	in CAL Contingency for F and K
	8/28/07	9/10/07	EPA 200.7	Potassium, Dissolved	38	CAL	8.5	in CAL Contingency for F and K
PV-195B	6/28/07	7/11/07	EPA 200.7	Boron, Dissolved	16	IAL	14.6	
	8/28/07	9/10/07	EPA 200.7	Boron, Dissolved	16	IAL	14.6	
	8/28/07	9/10/07	EPA 300.0	Fluoride	7.5	IAL	4.1	
	8/28/07	9/10/07	EPA 200.7	Potassium, Dissolved	47	IAL	25.67	Believe lab error. Requested reanalysis. Lab did not perform reanalysis. Well removed form permit.

TABLE 1C-1. EXCEEDANCES VERIFIED DURING 2007

WELL	SAMPLE DATE	ANALYSIS DATE	METHOD	ANALYTE	RESULT (mg/L, standard units for pH)	ALERT LEVEL TYPE	ALERT LEVEL (mg/L, standard units for pH)	COMMENT
PV-198AR	2/9/07	2/14/07	EPA 200.7-Diss	Potassium, Dissolved	3	CAL	2.14	in CAL Contingency for K
	5/8/07	5/21/07	EPA 200.7-Diss	Potassium, Dissolved	3.7	CAL	2.14	in CAL Contingency for K
	7/26/07	8/1/07	EPA 200.7	Potassium, Dissolved	6.7	CAL	2.14	in CAL Contingency for K
PV-206A	2/8/07	2/14/07	EPA 200.8-Diss	Selenium, Dissolved	0.051	CAL	0.035	CAL Contingency for Cl, K and Se
	5/2/07	5/8/07	EPA 200.7-Diss	Potassium, Dissolved	18	CAL	10.69	CAL Contingency for Cl, K and Se
	5/2/07	5/11/07	EPA 200.8-Diss	Selenium, Dissolved	0.046	CAL	0.035	CAL Contingency for Cl, K and Se
	7/20/07	7/29/07	EPA 200.7	Potassium	16	CAL	10.69	CAL Contingency for Cl, K and Se
PV-206B	2/14/07	2/21/07	EPA 200.7	Boron, Dissolved	8.0	IAL	3.68	previously identified
	2/14/07	2/19/07	EPA 300.0	Fluoride	5.0	IAL	4.1	
	5/3/07	5/18/07	EPA 200.7	Boron, Dissolved	7.8	IAL	3.68	previously identified
	7/20/07	8/1/07	EPA 200.7	Boron, Dissolved	8.0	IAL	3.68	previously identified
	7/20/07	7/24/07	EPA 300.0	Fluoride	4.5	IAL	4.1	previously identified
PV-33H	4/19/07	4/23/07	EPA 300.0	Fluoride	4.4	IAL	3.5	Not in contingency monitoring.
	3/7/07	3/15/07	EPA 200.7-Diss	Potassium, Dissolved	2.6	IAL	1.72	Not in contingency monitoring.
	8/3/07	8/7/07	EPA 200.7	Potassium	7.9	CAL	2.16	in CAL Contingency for K
	8/3/07	8/13/07	EPA 200.7	Potassium, Dissolved	8	CAL	2.16	in CAL Contingency for K

AL = Alert Level
CAL = Contingency Alert Level
IAL = Indicator Alert Level
mg/L = milligrams per Liter

1. GROUNDWATER MONITORING

D. QUARTERLY SHALLOW GROUNDWATER MAPS AND ANNUAL REGIONAL GROUNDWATER EQUIPOTENTIAL MAPS WELL HYDROGRAPHS

SECTION 1D – INTRODUCTION

Contours of the shallow water level data have been completed for each quarter of 2007 and are presented on Figures 1-5 through 1-8. The groundwater elevation contours were developed using the computer program Surfer. Minor hand drawn edits have been made to certain areas based on historical water level data. This approach is considered appropriate for the data set utilized. As previously described, the water level data also reflects the subsurface heterogeneity. In general, the water level elevation maps for 2007 remain consistent with historical shallow groundwater elevation maps. This approach is considered appropriate for the data set utilized.

In Section 13.4.1 A.1d of the APP, the completion of a Regional Groundwater equipotential map is also requested. Based on the number of wells, the frequency of data collection, and the water level complexities imposed from on-site pumping and different well completion depths, contouring of the regional aquifer water level elevation data was not completed, nor is it considered technically advisable. Historically, based on regional aquifer water level data collected both on site and off site, it has been shown that regional aquifer flow directions are to the south/southwest. This flow direction is similar to the natural pre-PVNGS groundwater flow direction with the current flow gradient largely controlled by pumping in the Centennial Wash area to the south/southwest of the PVNGS property. As part of presenting the on-site regional aquifer water level elevation data, the data has been provided in Table 1A-1 and posted on Figure 1-9. As the data posted on Figure 1-9 indicates, the general groundwater flow direction is to the south/southwest at present.

2. IMPOUNDMENT MONITORING

A. PIEZOMETER AND SUMP MONITORING RESULTS

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	ALERT LEVEL DEPTH TO WATER (FEET)	TYPE OF MEASUREMENT
PV-208C	1/22/2007	942.37		Dry	25.5	Monthly
	2/1/2007	942.37		Dry	25.5	Monthly
	3/13/2007	942.37		Dry	25.5	Monthly
	4/19/2007	942.37		Dry	25.5	Monthly
	5/9/2007	942.37		Dry	25.5	Monthly
	6/22/2007	942.37		Dry	25.5	Monthly
	7/11/2007	942.37		Dry	25.5	Monthly
	8/3/2007	942.37		Dry	25.5	Monthly
	9/4/2007	942.37		Dry	25.5	Monthly
	10/10/2007	942.37		Dry	25.5	Monthly
	11/15/2007	942.37		Dry	25.5	Monthly
	12/5/2007	942.37		Dry	25.5	Monthly
PV-208T	1/22/2007	921.72		Dry	15.5	Monthly
	2/1/2007	921.72		Dry	15.5	Monthly
	3/13/2007	921.72		Dry	15.5	Monthly
	4/19/2007	921.72		Dry	15.5	Monthly
	5/9/2007	921.72		Dry	15.5	Monthly
	6/22/2007	921.72		Dry	15.5	Monthly
	7/11/2007	921.72		Dry	15.5	Monthly
	8/3/2007	921.72		Dry	15.5	Monthly
	9/4/2007	921.72		Dry	15.5	Monthly
	10/10/2007	921.72		Dry	15.5	Monthly
	11/15/2007	921.72		Dry	15.5	Monthly
	12/6/2007	921.72		Dry	15.5	Monthly
PV-209C	1/22/2007	942.71		Dry	35.5	Monthly
	2/1/2007	942.71		Dry	35.5	Monthly
	3/13/2007	942.71		Dry	35.5	Monthly
	4/19/2007	942.71		Dry	35.5	Monthly
	5/9/2007	942.71		Dry	35.5	Monthly
	6/22/2007	942.71		Dry	35.5	Monthly
	7/11/2007	942.71		Dry	35.5	Monthly
	8/3/2007	942.71		Dry	35.5	Monthly
	9/4/2007	942.71		Dry	35.5	Monthly
	10/10/2007	942.71		Dry	35.5	Monthly
	11/15/2007	942.71		Dry	35.5	Monthly
	12/5/2007	942.71		Dry	35.5	Monthly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	ALERT LEVEL DEPTH TO WATER (FEET)	TYPE OF MEASUREMENT
PV-209T	1/22/2007	923.88		Dry	15.5	Monthly
	2/1/2007	923.88		Dry	15.5	Monthly
	3/13/2007	923.88		Dry	15.5	Monthly
	4/19/2007	923.88		Dry	15.5	Monthly
	5/9/2007	923.88		Dry	15.5	Monthly
	6/22/2007	923.88		Dry	15.5	Monthly
	7/11/2007	923.88		Dry	15.5	Monthly
	8/3/2007	923.88		Dry	15.5	Monthly
	9/4/2007	923.88		Dry	15.5	Monthly
	10/10/2007	923.88		Dry	15.5	Monthly
	11/15/2007	923.88		Dry	15.5	Monthly
	12/6/2007	923.88		Dry	15.5	Monthly
PV-210C	1/22/2007	941.80		Dry	36.5	Monthly
	2/1/2007	941.80		Dry	36.5	Monthly
	3/13/2007	941.80		Dry	36.5	Monthly
	4/19/2007	941.80		Dry	36.5	Monthly
	5/9/2007	941.80		Dry	36.5	Monthly
	6/22/2007	941.80		Dry	36.5	Monthly
	7/11/2007	941.80		Dry	36.5	Monthly
	8/3/2007	941.80		Dry	36.5	Monthly
	9/4/2007	941.80		Dry	36.5	Monthly
	10/10/2007	941.80		Dry	36.5	Monthly
	11/15/2007	941.80		Dry	36.5	Monthly
	12/5/2007	941.80		Dry	36.5	Monthly
PV-210T	1/22/2007	923.04		Dry	15.5	Monthly
	2/1/2007	923.04		Dry	15.5	Monthly
	3/13/2007	923.04		Dry	15.5	Monthly
	4/19/2007	923.04		Dry	15.5	Monthly
	5/9/2007	923.04		Dry	15.5	Monthly
	6/22/2007	923.04		Dry	15.5	Monthly
	7/11/2007	923.04		Dry	15.5	Monthly
	8/3/2007	923.04		Dry	15.5	Monthly
	9/4/2007	923.04		Dry	15.5	Monthly
	10/10/2007	923.04		Dry	15.5	Monthly
	11/15/2007	923.04		Dry	15.5	Monthly
	12/6/2007	923.04		Dry	15.5	Monthly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	ALERT LEVEL DEPTH TO WATER (FEET)	TYPE OF MEASUREMENT
PV-211C	1/22/2007	942.01		Dry	31.5	Monthly
	2/1/2007	942.01		Dry	31.5	Monthly
	3/13/2007	942.01		Dry	31.5	Monthly
	4/19/2007	942.01		Dry	31.5	Monthly
	5/9/2007	942.01		Dry	31.5	Monthly
	6/22/2007	942.01		Dry	31.5	Monthly
	7/11/2007	942.01		Dry	31.5	Monthly
	8/3/2007	942.01		Dry	31.5	Monthly
	9/4/2007	942.01		Dry	31.5	Monthly
	10/10/2007	942.01		Dry	31.5	Monthly
	11/15/2007	942.01		Dry	31.5	Monthly
	12/5/2007	942.01		Dry	31.5	Monthly
PV-211T	1/22/2007	918.80		Dry	15.5	Monthly
	2/1/2007	918.80		Dry	15.5	Monthly
	3/13/2007	918.80		Dry	15.5	Monthly
	4/19/2007	918.80		Dry	15.5	Monthly
	5/9/2007	918.80		Dry	15.5	Monthly
	6/22/2007	918.80		Dry	15.5	Monthly
	7/11/2007	918.80		Dry	15.5	Monthly
	8/3/2007	918.80		Dry	15.5	Monthly
	9/4/2007	918.80		Dry	15.5	Monthly
	10/10/2007	918.80		Dry	15.5	Monthly
	11/15/2007	918.80		Dry	15.5	Monthly
	12/6/2007	918.80		Dry	15.5	Monthly
PV-212C	1/22/2007	942.86		Dry	45.5	Monthly
	2/1/2007	942.86		Dry	45.5	Monthly
	3/13/2007	942.86		Dry	45.5	Monthly
	4/19/2007	942.86		Dry	45.5	Monthly
	5/9/2007	942.86		Dry	45.5	Monthly
	6/22/2007	942.86		Dry	45.5	Monthly
	7/11/2007	942.86		Dry	45.5	Monthly
	8/3/2007	942.86		Dry	45.5	Monthly
	9/4/2007	942.86		Dry	45.5	Monthly
	10/10/2007	942.86		Dry	45.5	Monthly
	11/15/2007	942.86		Dry	45.5	Monthly
	12/5/2007	942.86		Dry	45.5	Monthly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	ALERT LEVEL DEPTH TO WATER (FEET)	TYPE OF MEASUREMENT
PV-212T	1/22/2007	914.50		Dry	15.5	Monthly
	2/1/2007	914.50		Dry	15.5	Monthly
	3/13/2007	914.50		Dry	15.5	Monthly
	4/19/2007	914.50		Dry	15.5	Monthly
	5/9/2007	914.50		Dry	15.5	Monthly
	6/22/2007	914.50		Dry	15.5	Monthly
	7/11/2007	914.50		Dry	15.5	Monthly
	8/3/2007	914.50		Dry	15.5	Monthly
	9/4/2007	914.50		Dry	15.5	Monthly
	10/10/2007	914.50		Dry	15.5	Monthly
	11/15/2007	914.50		Dry	15.5	Monthly
	12/6/2007	914.50		Dry	15.5	Monthly
PV-213C	1/22/2007	941.76		Dry	49.5	Monthly
	2/1/2007	941.76		Dry	49.5	Monthly
	3/13/2007	941.76		Dry	49.5	Monthly
	4/19/2007	941.76		Dry	49.5	Monthly
	5/9/2007	941.76		Dry	49.5	Monthly
	6/22/2007	941.76		Dry	49.5	Monthly
	7/11/2007	941.76		Dry	49.5	Monthly
	8/3/2007	941.76		Dry	49.5	Monthly
	9/4/2007	941.76		Dry	49.5	Monthly
	10/10/2007	941.76		Dry	49.5	Monthly
	11/15/2007	941.76		Dry	49.5	Monthly
	12/5/2007	941.76		Dry	49.5	Monthly
PV-213T	1/22/2007	909.22		Dry	15.5	Monthly
	2/1/2007	909.22		Dry	15.5	Monthly
	3/13/2007	909.22		Dry	15.5	Monthly
	4/19/2007	909.22		Dry	15.5	Monthly
	5/9/2007	909.22		Dry	15.5	Monthly
	6/22/2007	909.22		Dry	15.5	Monthly
	7/11/2007	909.22		Dry	15.5	Monthly
	8/3/2007	909.22		Dry	15.5	Monthly
	9/4/2007	909.22		Dry	15.5	Monthly
	10/10/2007	909.22		Dry	15.5	Monthly
	11/15/2007	909.22		Dry	15.5	Monthly
	12/6/2007	909.22		Dry	15.5	Monthly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	ALERT LEVEL DEPTH TO WATER (FEET)	TYPE OF MEASUREMENT
PV-214C	1/22/2007	942.20		Dry	50.5	Monthly
	2/1/2007	942.20		Dry	50.5	Monthly
	3/13/2007	942.20		Dry	50.5	Monthly
	4/19/2007	942.20		Dry	50.5	Monthly
	5/9/2007	942.20		Dry	50.5	Monthly
	6/22/2007	942.20		Dry	50.5	Monthly
	7/11/2007	942.20		Dry	50.5	Monthly
	8/3/2007	942.20		Dry	50.5	Monthly
	9/4/2007	942.20		Dry	50.5	Monthly
	10/10/2007	942.20		Dry	50.5	Monthly
	11/15/2007	942.20		Dry	50.5	Monthly
	12/5/2007	942.20		Dry	50.5	Monthly
PV-214T	1/22/2007	907.15		Dry	15.5	Monthly
	2/1/2007	907.15		Dry	15.5	Monthly
	3/13/2007	907.15		Dry	15.5	Monthly
	4/19/2007	907.15		Dry	15.5	Monthly
	5/9/2007	907.15		Dry	15.5	Monthly
	6/22/2007	907.15		Dry	15.5	Monthly
	7/11/2007	907.15		Dry	15.5	Monthly
	8/3/2007	907.15		Dry	15.5	Monthly
	9/4/2007	907.15		Dry	15.5	Monthly
	10/10/2007	907.15		Dry	15.5	Monthly
	11/15/2007	907.15		Dry	15.5	Monthly
	12/6/2007	907.15		Dry	15.5	Monthly
PV-215C	1/22/2007	941.84		Dry	40.5	Monthly
	2/1/2007	941.84		Dry	40.5	Monthly
	3/13/2007	941.84		Dry	40.5	Monthly
	4/19/2007	941.84		Dry	40.5	Monthly
	5/9/2007	941.84		Dry	40.5	Monthly
	6/22/2007	941.84		Dry	40.5	Monthly
	7/11/2007	941.84		Dry	40.5	Monthly
	8/3/2007	941.84		Dry	40.5	Monthly
	9/4/2007	941.84		Dry	40.5	Monthly
	10/10/2007	941.84		Dry	40.5	Monthly
	11/15/2007	941.84		Dry	40.5	Monthly
	12/5/2007	941.84		Dry	40.5	Monthly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	ALERT LEVEL DEPTH TO WATER (FEET)	TYPE OF MEASUREMENT
PV-215T	1/22/2007	917.13		Dry	15.5	Monthly
	2/1/2007	917.13		Dry	15.5	Monthly
	3/13/2007	917.13		Dry	15.5	Monthly
	4/19/2007	917.13		Dry	15.5	Monthly
	5/9/2007	917.13		Dry	15.5	Monthly
	6/22/2007	917.13		Dry	15.5	Monthly
	7/11/2007	917.13		Dry	15.5	Monthly
	8/3/2007	917.13		Dry	15.5	Monthly
	9/4/2007	917.13		Dry	15.5	Monthly
	10/10/2007	917.13		Dry	15.5	Monthly
	11/15/2007	917.13		Dry	15.5	Monthly
	12/6/2007	917.13		Dry	15.5	Monthly
PV-216C	1/22/2007	943.00		Dry	21.0	Monthly
	2/1/2007	943.00		Dry	21.0	Monthly
	3/13/2007	943.00		Dry	21.0	Monthly
	4/19/2007	943.00		Dry	21.0	Monthly
	5/9/2007	943.00		Dry	21.0	Monthly
	6/22/2007	943.00		Dry	21.0	Monthly
	7/11/2007	943.00		Dry	21.0	Monthly
	8/3/2007	943.00		Dry	21.0	Monthly
	9/4/2007	943.00		Dry	21.0	Monthly
	10/10/2007	943.00		Dry	21.0	Monthly
	11/15/2007	943.00		Dry	21.0	Monthly
	12/5/2007	943.00		Dry	21.0	Monthly
PV-217C	1/22/2007	944.00		Dry	34.0	Monthly
	2/1/2007	944.00		Dry	34.0	Monthly
	3/13/2007	944.00		Dry	34.0	Monthly
	4/19/2007	944.00		Dry	34.0	Monthly
	5/9/2007	944.00		Dry	34.0	Monthly
	6/22/2007	944.00		Dry	34.0	Monthly
	7/11/2007	944.00		Dry	34.0	Monthly
	8/3/2007	944.00		Dry	34.0	Monthly
	9/4/2007	944.00		Dry	34.0	Monthly
	10/10/2007	944.00		Dry	34.0	Monthly
	11/15/2007	944.00		Dry	34.0	Monthly
	12/5/2007	944.00		Dry	34.0	Monthly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	ALERT LEVEL DEPTH TO WATER (FEET)	TYPE OF MEASUREMENT
PV-218C	1/22/2007	943.00		Dry	34.0	Monthly
	2/1/2007	943.00		Dry	34.0	Monthly
	3/13/2007	943.00		Dry	34.0	Monthly
	4/20/2007	943.00		Dry	34.0	Monthly
	5/9/2007	943.00		Dry	34.0	Monthly
	6/22/2007	943.00		Dry	34.0	Monthly
	7/11/2007	943.00		Dry	34.0	Monthly
	8/3/2007	943.00		Dry	34.0	Monthly
	9/4/2007	943.00		Dry	34.0	Monthly
	10/10/2007	943.00		Dry	34.0	Monthly
	11/15/2007	943.00		Dry	34.0	Monthly
	12/6/2007	943.00		Dry	34.0	Monthly
PV-219C	1/22/2007	943.00		Dry	25.0	Monthly
	2/1/2007	943.00		Dry	25.0	Monthly
	3/13/2007	943.00		Dry	25.0	Monthly
	4/20/2007	943.00		Dry	25.0	Monthly
	5/9/2007	943.00		Dry	25.0	Monthly
	6/22/2007	943.00		Dry	25.0	Monthly
	7/11/2007	943.00		Dry	25.0	Monthly
	8/3/2007	943.00		Dry	25.0	Monthly
	9/4/2007	943.00		Dry	25.0	Monthly
	10/10/2007	943.00		Dry	25.0	Monthly
	11/15/2007	943.00		Dry	25.0	Monthly
	12/6/2007	943.00		Dry	25.0	Monthly
PV-220C	1/22/2007	943.00		Dry	25.0	Monthly
	2/1/2007	943.00		Dry	25.0	Monthly
	3/13/2007	943.00		Dry	25.0	Monthly
	4/20/2007	943.00		Dry	25.0	Monthly
	5/9/2007	943.00		Dry	25.0	Monthly
	6/22/2007	943.00		Dry	25.0	Monthly
	7/11/2007	943.00		Dry	25.0	Monthly
	8/3/2007	943.00		Dry	25.0	Monthly
	9/4/2007	943.00		Dry	25.0	Monthly
	10/10/2007	943.00		Dry	25.0	Monthly
	11/15/2007	943.00		Dry	25.0	Monthly
	12/5/2007	943.00		Dry	25.0	Monthly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	ALERT LEVEL DEPTH TO WATER (FEET)	TYPE OF MEASUREMENT
PV-221C	1/22/2007	944.00		Dry	17.0	Monthly
	2/1/2007	944.00		Dry	17.0	Monthly
	3/13/2007	944.00		Dry	17.0	Monthly
	4/20/2007	944.00		Dry	17.0	Monthly
	5/9/2007	944.00		Dry	17.0	Monthly
	6/22/2007	944.00		Dry	17.0	Monthly
	7/11/2007	944.00		Dry	17.0	Monthly
	8/3/2007	944.00		Dry	17.0	Monthly
	9/4/2007	944.00		Dry	17.0	Monthly
	10/10/2007	944.00		Dry	17.0	Monthly
	11/15/2007	944.00		Dry	17.0	Monthly
	12/5/2007	944.00		Dry	17.0	Monthly
PV-222C	1/22/2007	943.00		Dry	17.0	Monthly
	2/1/2007	943.00		Dry	17.0	Monthly
	3/13/2007	943.00		Dry	17.0	Monthly
	4/20/2007	943.00		Dry	17.0	Monthly
	5/9/2007	943.00		Dry	17.0	Monthly
	6/22/2007	943.00		Dry	17.0	Monthly
	7/11/2007	943.00		Dry	17.0	Monthly
	8/3/2007	943.00		Dry	17.0	Monthly
	9/4/2007	943.00		Dry	17.0	Monthly
	10/10/2007	943.00		Dry	17.0	Monthly
	11/15/2007	943.00		Dry	17.0	Monthly
	12/5/2007	943.00		Dry	17.0	Monthly
PV-223C	1/22/2007	943.00		Dry	21.5	Monthly
	2/1/2007	943.00		Dry	21.5	Monthly
	3/13/2007	943.00		Dry	21.5	Monthly
	4/20/2007	943.00		Dry	21.5	Monthly
	5/9/2007	943.00		Dry	21.5	Monthly
	6/22/2007	943.00		Dry	21.5	Monthly
	7/11/2007	943.00		Dry	21.5	Monthly
	8/3/2007	943.00		Dry	21.5	Monthly
	9/4/2007	943.00		Dry	21.5	Monthly
	10/10/2007	943.00		Dry	21.5	Monthly
	11/15/2007	943.00		Dry	21.5	Monthly
	12/5/2007	943.00		Dry	21.5	Monthly

AMSL = above mean sea level
BMP = below measuring point, top of casing
NA = not available

TABLE 2A-2. SUMP MONITORING RESULTS

	SAMPLE DATE	FIELD pH (SU)	FIELD CONDUCTIVITY (umhos/cm)	POTASSIUM (mg/L)	TRITIUM (pCi/L)	CESIUM-137 (pCi/L)	COBALT-60 (pCi/L)
No Analytical Monitoring of the Sumps was Conducted in 2007							
Response Level*							
AWQS							

*Applies only to EP2 and RB
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
NE = Not established
≤ = Less than or equal to the indicated reporting limit

2. IMPOUNDMENT MONITORING

B. SUMMARIES OF ANALYTICAL RESULTS

TABLE 2B-1. EAST RETENTION BASIN INORGANIC AND ORGANIC DATA

PARAMETER	UNITS	AWQS	ALERT LEVEL	2/13/2007 ANNUAL
Specific Conductance	umhos/cm	NE	NA	12,000
Arsenic	mg/L	0.05	NA	< 0.005
Barium	mg/L	2	NA	0.01
Boron	mg/L	NE	2.37	0.66
Cadmium	mg/L	0.005	NA	< 0.001
Chromium	mg/L	0.1	NA	0.0048
Chloride	mg/L	NE	NA	270
Fluoride	mg/L	4	7.95	< 10
Fluoride	mg/L	4	7.95	0.33 J
Nitrate-Nitrite	mg/L	10	NA	3.4
Potassium	mg/L	NE	11.68	18
Selenium	mg/L	0.05	NA	0.013
Sulfate	mg/L	NE	NA	6,700
Thallium	mg/L	0.002	NA	< 0.001
bis(2-Ethylhexyl) phthalate	mg/L	0.006	NA	< 0.01
Trihalomethanes (total)	mg/L	0.1	NA	0.028

< = Less than the indicated reporting limit
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
umhos/cm = microhms per centimeter
NE = Not established
NA = Not applicable
J = Method blank (MB) contamination. Associated MB contains the target analyte at a reportable level.

TABLE 2B-2. OPERATIONAL (ODCM) RADIONUCLIDE RESULTS FOR THE EAST RETENTION BASIN

DATE	pH SU	Hydrazine mg/L	Tritium pCi/L	Ce-141 pCi/L	Ce-144 pCi/L	Co-58 pCi/L	Co-60 pCi/L	Cs-134 pCi/L	Cs-137 pCi/L	Fe-59 pCi/L	I-131 pCi/L	Mn-54 pCi/L	Mo-99 pCi/L	Zn-65 pCi/L
1/5/2007	9.52	1.15	4,780	<=31.446	<=100.79	<=6.6626	<=28.467	<=32.824	<=42.723	<=71.626	<=19.835	<=24.866	<=15.049	<=47.617
1/10/2007	9.36	0.82	8,380	<=35.005	<=171.25	<=30.495	<=35.192	<=44.774	<=32.179	<=56.224	<=28.744	<=37.166	<=20.745	<=78.432
1/13/2007	9.75	1.30	5,400	<=35.563	<=163.52	<=29.882	<=31.938	<=39.228	<=41.384	<=69.546	<=33.738	<=30.518	<=21.537	<=88.104
1/17/2007	9.42	0.50	4,830	<=36.515	<=171.11	<=36.394	<=11.74	<=35.431	<=30.723	<=69.55	<=17.927	<=30.518	<=20.165	<=53.614
1/21/2007	9.77	1.24	7,110	<=40.369	<=153	<=31.567	<=46.725	<=30.871	<=39.143	<=84.749	<=30.996	<=31.908	<=21.883	<=91.345
1/25/2007	9.55	0.86	8,000	<=29.743	<=150.91	<=22.936	<=28.467	<=42.314	<=41.761	<=53.273	<=18.158	<=11.935	<=17.259	<=59.526
1/28/2007	9.43	0.56	5,540	<=28.013	<=125.76	<=27.14	<=31.069	<=33.573	<=26.449	<=25.914	77.9	<=38.016	<=17.115	<=58.534
2/1/2007	9.38	0.60	4,380	<=38.076	<=140.85	<=31.981	<=49.719	<=41.453	<=36.667	<=73.756	<=39.79	<=37.084	<=18.416	<=85.473
2/5/2007	9.20	0.72	5,680	<=34.019	<=154.92	<=34.542	<=54.256	<=45.753	<=40.657	<=64.251	<=25.121	<=35.316	<=16.561	<=91.427
2/10/2007	9.37	2.20	5,060	<=33.601	<=153.53	<=41.683	<=53.604	<=45.595	<=44.646	<=47.535	<=29.472	<=31.802	<=20.397	<=88.103
2/15/2007	9.10	0.55	5,460	<=30.536	<=159.47	<=39.154	<=52.137	<=41.218	<=40.553	<=60.002	<=28.581	<=35.264	<=18.167	<=84.798
2/19/2007	9.55	0.96	5,800	<=32.132	<=172.48	<=36.871	<=46.724	<=34.175	<=30.564	<=47.536	<=27.126	<=34.052	<=16.298	<=62.805
2/24/2007	9.24	1.20	4,860	<=34.557	<=173.08	<=30.498	<=32.967	<=29.48	<=53.206	<=69.546	<=29.854	<=48.062	<=17.165	<=78.434
2/28/2007	9.57	0.003	<=1060	<=41.56	<=191.63	<=29.881	<=52.137	<=25.442	<=35.122	<=59.989	<=26.198	<=37.167	<=18.236	<=68.481
3/1/2007	9.45	9.30	4,970	<=31.43	<=111.6	<=26.51	<=39.277	<=20.734	<=46.706	<=48.445	<=15.838	<=27.059	<=14.976	<=69.198
Rentention Tanks in Service 3/2/07														
Retention Basins Drained 3/4/07														
Release Limit	**6-11**	**10**	**1,000,000**	**30,000**	**3,000**	**20,000**	**3,000**	**2,000**	**2,000**	**10,000**	**1,000**	**30,000**	**20,000**	**5,000**

<= = Less than or equal to the indicated reporting limi
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
ODCM = Offsite Dose Calculation Manual
pCi/L = picocuries per liter
SU = standard units

TABLE 2B-3. WEST RETENTION BASIN INORGANIC AND ORGANIC DATA

PARAMETER	UNITS	AWQS	ALERT LEVEL	2/13/2007 ANNUAL
Specific Conductance	umhos/cm	NE	NA	13,000
Arsenic	mg/L	0.05	NA	0.0054
Barium	mg/L	2	NA	0.0052
Boron	mg/L	NE	2.37	0.3
Cadmium	mg/L	0.005	NA	< 0.001
Chromium	mg/L	0.1	NA	0.0036
Chloride	mg/L	NE	NA	240
Fluoride	mg/L	4	7.95	< 10
Fluoride	mg/L	4	7.95	0.23 J
Nitrate-Nitrite	mg/L	10	NA	1.3
Potassium	mg/L	NE	11.68	7.0
Selenium	mg/L	0.05	NA	0.023
Sulfate	mg/L	NE	NA	6,900
Thallium	mg/L	0.002	NA	< 0.001
bis(2-Ethylhexyl) phthalate	mg/L	0.006	NA	< 0.01
Trihalomethanes (total)	mg/L	0.1	NA	0.0095

< = Less than the indicated reporting limit
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
umhos/cm = microhms per centimeter
NE = Not established
NA = Not applicable
J = Method blank contamination. Associated MB contains the target analyte at a reportable level.

TABLE 2B-4. OPERATIONAL (ODCM) RADIONUCLIDES RESULTS FOR THE WEST RETENTION BASIN

DATE	pH SU	Hydrazine mg/L	Tritium pCi/L	Ce-141 pCi/L	Ce-144 pCi/L	Co-58 pCi/L	Co-60 pCi/L	Cs-134 pCi/L	Cs-137 pCi/L	Fe-59 pCi/L	I-131 pCi/L	Mn-54 pCi/L	Mo-99 pCi/L	Zn-65 pCi/L
1/3/2007	9.50	0.88	4,590	<=38.271	<=157.17	<=23.341	<=52.137	<=50.373	<=47.64	<=59.986	<=26.192	<=34.28	<=17.517	<=68.481
1/8/2007	9.44	0.78	5,590	<=32.176	<=152.5	<=20.427	<=31.938	<=38.134	<=27.14	<=59.995	<=32.741	<=38.255	<=22.06	<=19.708
1/12/2007	9.70	0.73	6,180	<=39.196	<=168.35	<=31.684	<=46.725	<=41.622	<=40.23	<=69.547	<=28.515	<=35.263	<=20.006	<=78.434
1/15/2007	9.47	0.83	5,910	<=40.862	<=159.29	<=18.121	<=43.514	<=33.34	<=46.706	<=15.514	<=28.418	<=19.573	<=20.931	<=48.149
1/19/2007	9.66	0.90	5,680	<=31.364	<=181.85	<=31.619	<=39.397	<=42.96	<=40.456	<=67.254	<=23.777	<=31.98	<=24.244	<=65.809
1/23/2007	9.47	0.50	5,330	<=40.633	<=169.77	<=44.048	<=42.345	<=31	<=39.143	<=59.687	<=26.224	<=37.371	<=22.128	<=78.436
1/27/2007	9.33	0.70	6,670	<=43.276	<=165.14	<=28.854	<=54.256	<=31.273	<=26.159	<=97.894	51.13	<=40.938	<=18.753	<=105.98
1/30/2007	9.60	0.70	4,930	<=37.878	<=166.67	<=29.887	<=31.939	<=43.392	<=40.23	<=69.564	<=42.246	<=40.905	<=22.327	<=102.76
2/3/2007	9.57	3.20	5,460	<=35.116	<=161.09	<=25.475	<=31.939	<=27.139	<=30.723	<=47.148	<=34.886	<=29.44	<=22.514	<=67.672
2/7/2007	9.45	0.20	5,440	<=32.39	<=168.86	<=27.369	<=54.256	<=39.466	<=53.385	<=23.614	<=28.228	<=28.664	<=15.27	<=26.631
2/13/2007	9.26	0.70	5,290	<=36.366	<=131.97	<=36.399	<=46.725	<=38.135	<=46.669	<=89.035	<=15.451	<=35.264	<=18.544	<=19.709
2/17/2007	9.36	0.69	6,080	<=37.369	<=150.5	<=28.47	<=52.4	<=45.595	<=32.467	<=69.297	<=26.629	<=33.218	<=18.706	<=87.52
2/22/2007	9.30	0.88	4,690	<=31.81	<=125.37	<=9.1164	<=49.717	<=38.792	<=53.84	<=48.617	<=24.935	<=25.344	<=17.971	<=83.054
2/27/2007	9.50	7.50	4,890	<=36.119	<=136.26	<=29.885	<=56.905	<=29.48	<=28.829	<=41.943	<=29.617	<=45.848	<=21.448	<=53.615
3/3/2007	9.30	3.08	4,670	<=39.259	<=161.21	<=34.535	<=15.804	<=45.376	<=43.181	<=64.231	<=33.561	<=49.718	<=19.736	<=91.366
Rentention Tanks in Service 3/2/07														
Retention Basins Drained 3/4/07														
Release Limit	**6-11**	**10**	**1,000,000**	**30,000**	**3,000**	**20,000**	**3,000**	**2,000**	**2,000**	**10,000**	**1,000**	**30,000**	**20,000**	**5,000**

<= = Less than or equal to the indicated reporting limit
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
ODCM = Offsite Dose Calculation Manual
pCi/L = picocuries per liter
SU = standard units

TABLE 2B-5. EVAPORATION POND #1 INORGANIC AND ORGANIC DATA

ANALYTE	UNITS	02/13/07	ALERT LEVEL (TBL 16.2-7)
Antimony	mg/L		NE
Arsenic	mg/L		NE
Beryllium	mg/L		NE
Boron	mg/L	38	NE
Cadmium	mg/L		NE
Chromium	mg/L		NE
Total Alkalinity	mg/L	320	NE
Chloride	mg/L	38,000	NE
Fluoride	mg/L	24 J	NE
Fluoride	mg/L	<50	NE
pH	SU	9.2	<4, >11
Potassium	mg/L	2400	NE
Lead	mg/L		NE
Nickel	mg/L		NE
Nitrate/Nitrite	mg/L	570	NE
Selenium	mg/L		NE
Sulfate	mg/L	20,000 J	NE
Thallium	mg/L		NE
Total Dissolved Solids	mg/L	110,000	NE
Total Trihalomethanes	mg/L		NE
Calcium	mg/L		NE
Magnesium	mg/L		NE
Sodium	mg/L		NE
Cation Anion Balance			NE

< = Less than the indicated reporting limit.
mg/L = milligrams per liter
NE = Not established
SU = Standard Unit
J = Method blank (MB) contamination. Associated MB contains the target analyte at a reportable level.

TABLE 2B-6. OPERATIONAL (ODCM) RADIONUCLIDES RESULTS FOR EVAPORATION POND #1

DATE	Tritium pCi/L	Mn-54 pCi/L	Co-58 pCi/L	Fe-59 pCi/L	Co-60 pCi/L	Zn-65 pCi/L	Nb-95 pCi/L	Zr-95 pCi/L	I-131 pCi/L	Cs-134 pCi/L	Cs-137 pCi/L	Ba-140 pCi/L	La-140 pCi/L
1/29/07		<12	<12	<22	<13	<29	<10	<20	23 ± 10	<10	<13	<37	<12
2/26/07		<11	<13	<28	<14	<29	<11	<21	<14	<11	<15	<44	<14
3/26/07	1496 ± 160	<12	<11	<22	<15	<28	<10	<19	<12	<9	<10	<40	<12
4/23/07		<12	<12	<24	<13	<30	<10	<18	<10	<10	<13	<36	<13
5/29/07		<12	<10	<25	<12	<30	<11	<20	<12	<11	<13	<40	<12
6/25/07	945 ± 181	<11	<12	<24	<12	<30	<12	<20	<10	<11	<13	<37	<10
7/30/07		<11	<10	<28	<13	<30	<11	<22	<10	<11	<14	<31	<15
8/28/07		<11	<10	<25	<13	<30	<11	<19	<10	<11	<13	<40	<12
9/24/07	1001 ± 179	<13	<13	<30	<15	<28	<14	<23	<12	<12	<14	<45	<15
10/29/07		<12	<10	<28	<14	<27	<10	<24	<13	<8	<13	<40	<15
11/27/07		<12	<13	<27	<13	<27	<13	<20	10 ± 8	<11	<13	<38	<15
12/26/07	749 ± 177	<13	<13	<30	<10	<30	<13	<22	<15	<12	<13	<41	<11
Reporting Level	**30,000**	**20**	**30**	**50**	**300**	**1,000**	**400**	**1,000**	**300**	**400**	**400**	**200**	**200**

< = Less than or equal to the indicated reporting limit
ODCM = Offsite Dose Calculation Manual
pCi/L = picoCuries per liter

TABLE 2B-7. EVAPORATION POND #2 INORGANIC AND ORGANIC DATA

ANALYTE	UNITS	02/13/07	ALERT LEVEL (TBL 16.2-7)
Antimony	mg/L		NE
Arsenic	mg/L		NE
Beryllium	mg/L		NE
Boron	mg/L	81	NE
Cadmium	mg/L		NE
Chromium	mg/L		NE
Total Alkalinity	mg/L	800	NE
Chloride	mg/L	76,000	NE
Fluoride	mg/L	42 J	NE
Fluoride	mg/L	<100	NE
pH	SU	8.4	<4, >11
Potassium	mg/L	4,700	NE
Lead	mg/L		NE
Nickel	mg/L		NE
Nitrate/Nitrite	mg/L	720	NE
Selenium	mg/L		NE
Sulfate	mg/L	15,000	NE
Thallium	mg/L		NE
Total Dissolved Solids	mg/L	180,000	NE
Total Trihalomethanes	mg/L		NE
Calcium	mg/L		NE
Magnesium	mg/L		NE
Sodium	mg/L		NE
Cation Anion Balance			NE

J = Method blank (MB) contamination. Associated MB contains the target analyte at a reportable level.
< = Less than the indicated reporting limit.
mg/L = milligrams per liter
NE = Not established
SU = Standard Unit

TABLE 2B-8. OPERATIONAL (ODCM) RADIONUCLIDES RESULTS FOR EVAPORATION POND #2

DATE	Tritium pCi/L	Mn-54 pCi/L	Co-58 pCi/L	Fe-59 pCi/L	Co-60 pCi/L	Zn-65 pCi/L	Nb-95 pCi/L	Zr-95 pCi/L	I-131 pCi/L	Cs-134 pCi/L	Cs-137 pCi/L	Ba-140 pCi/L	La-140 pCi/L
1/29/07		<11	<12	<26	<15	<29	<11	<19	<11	<10	<14	<40	<10
2/26/07		<11	<11	<28	<11	<30	<12	<20	<11	<10	<14	<38	<11
3/26/07	2,323 ± 166	<11	<11	<24	<15	<27	<12	<21	18 ± 17	<11	<14	<41	<12
4/23/07		<10	<10	<23	<14	<30	<10	<17	<12	<10	<13	<39	<12
5/29/07		<10	<10	<24	<11	<28	<10	<19	9 ± 10	<10	<13	<35	<11
6/25/07	1,095 ± 182	<13	<11	<26	<14	<30	<12	<22	<14	<12	<13	<44	<12
7/30/07		<13	<13	<24	<11	<30	<13	<20	<11	<11	<14	<39	<7
8/28/07		<12	<12	<27	<13	<29	<12	<22	<15	<11	<14	<44	<14
9/24/07	1,126 ± 182	<11	<11	<25	<15	<30	<11	<22	19 ± 8	<11	<12	<41	<15
10/29/07		<12	<13	<26	<12	<30	<12	<21	<12	<11	<14	<43	<11
11/27/07		<11	<11	<24	<14	<29	<10	<21	<10	<9	<13	<38	<11
12/26/07	1,047 ± 181	<13	<14	<28	<14	<29	<13	<21	<13	<10	<14	<50	<12
Reporting Level	**30,000**	**20**	**30**	**50**	**300**	**1,000**	**400**	**1,000**	**300**	**400**	**400**	**200**	**200**

< = Less than or equal to the indicated reporting limit
ODCM = Offsite Dose Calculation Manual
pCi/L = picoCuries per liter

TABLE 2B-9. WATER STORAGE RESERVOIR INORGANIC AND ORGANIC DATA

ANALYTE	UNITS	RESULTS	ALERT LEVEL (TBL 8)
No data collected for 80-acre WSR because reservoir was out of commission between 10/31/2006 - 2/29/2008.			

NE = Not established
mg/L = milligrams per liter
SU = Standard Units

2. IMPOUNDMENT MONITORING

C. SUMMARY OF MAINTENANCE AND REPAIR ACTIVITIES

TABLE 2C-1. SUMMARY OF MAINTENANCE AND REPAIR ACTIVITIES

FACILITY	CONDITION IDENTIFIED	DATE	ACTIONS TAKEN	DATE	PROCEDURES/MATERIALS USED	DOCUMENTATION
45 ACRE RESERVOIR	5 small puncture holes observed on top of liner located 60-100 feet east of the north under drain sump.	10/26/2007				
80 ACRE RESERVOIR						
EVAPORATION POND 1	Environmental Weekly Inspection. Found 2 liner tears on North embankment.	1/3/2007	GSE repaired tears.	1/23/2007	Fusion bond with a bead.	WO 2961901 APS Letter 291-03628
	GSE conducted an inspection of the upper liner. Found 1 new tear on the North embankment.	1/23/2007	GSE repaired tears.	1/23/2007	Fusion bond with a bead.	WO 2961901 APS Letter 291-03654
	Discovered 8 tears, 1 on North Slope, 2 on West Slope, 1 on South Slope, 4 on East Slope. Tear on North Slope discovered on 3/23/07.	4/17/2007	GSE repaired all 8 tears.	4/17/2007	Fusion bond with a bead.	WO 2961901, CRAI 2988267
	4" tear on East Bank on top of berm	8/29/2007	Repaired tears.	8/29/2007	Fusion bond with a bead.	WO 2961901
	2 tears confirmed, 1each on the south (8") and east (5") embankmens. (Note: In letter 291-03832, the east tear was incorrectly referenced as a west tear and the east tear was inadvertantly omitted.)	12/13/2007	Repaired tears.	12/13/2007	Fusion bond with a bead.	APS Letter 291-03832, CRAI 3112389, WO 2961901
	Eighteen(18) minor potholes and ruts observed on top of the embankments of Evaporation Ponds No. I and 2.	12/19/2007	Only ruts on Evap Pond 1. Evap Pond 1 ruts repaired.	1/4/2008	Work Instructions: (1) Perform excavation as needed. (2) Pre-wet and prep ground rut scar firing. (3) Fill the rut with soil and compact to 13-CN-300 standards.	APS Letter 91-03833, CRAI 3112562, WO #3112150
EVAPORATION POND 2	During Environmental Weekly Inspection. Found 1 liner tear on North embankment.	1/3/2007	GSE repaired tears.	1/23/2007	Fusion bond with a bead.	WO 2961897 APS Letter 291-03628
	GSE conducted an inspection of the upper liner. Found 5 new tears. 5 on the 'West embankment, 1 each on the N, E and S embankments.	1/23/2007	GSE repaired tears.	1/23/2007	Fusion bond with a bead.	WO 2961897 APS Letter 291-03654
	GSE conducted an inspection of the upper liner. Found 12 tears.	2/20/2007	GSE repaired tears.	2/20/2007	Fusion bond with a bead.	Warranty work.
	LLSI performed underwater leak detection for all of Pond #2 sideslopes. Detected one leak but could not be verified.	2/19/2007 - 2/26/2007	The potential leak was about 4" below the water surface and the area was visable from the side slope.	2/23/2007	Electrical leak location technique was used for the inspection.	WO 2961897
	Discovered 8 tears on North slope and 12 tears on East Slope.	3/20/2007	Made Repairs to all 20 tears.	3/20/2007	Fusion bond with a bead.	Warranty
	Built coffer dam and exposed tear discovered by LLSI on 2/23/07	3/20/2007	Made repair to tear.	3/20/2007	Fusion bond with a bead.	Warranty
	Discovered 4 tears; 3 on East slope, 1 on West Slope.	4/17/2007	GSE epaired all 4 tears.	4/17/2007	Fusion bond with a bead.	GSE warranty, WO 2961897
	Discovered 1 tear on South Bank and 1 tear on West Bank	06/11/2007, 06/12/2007	Repaired both tears	06/11/2007, 06/12/2007	Fusion bond with a bead	Warranty, WO 2961897; CRDR 3028916
	Inspected all 4 sides, 47 detects discovered; 24 North side; 13 West side; 6 South side; and 4 East side.	08/28/2007 & 08/29/2007	Repaired all 47 tears	08/28/2007 & 08/29/2007	Fusion bond with a bead	Warranty, WO 2961897
	Identified 4 pot holes on top of North embankment.	8/29/2007	Courtesy call made to ADWR on 08/30/07. Made repairs.	11/13/2007	APS (1) Augered out the potholes and erosion holes and removed loose material; (2) Filled the holes with a 1 to 6 cement to bentonite slurry to within 6 inches of the top of the holes; and (3) Capped the remaining 6 inches of the holes with compacted soil.	APS letter 291-03793; 10-24 07 e-mail from R Murthy, ADWR; WO 3056771; and CRDR 3058832.
	Identified 5 additional pot holes on top of North embankment.	9/6/2007	ADWR participated in the inspection. Will submit repair plan to ADWR for the 9 potholes. Submitted repair plan to ADWR. Plan approved. Repairs made.	11/13/2007	Same as above.	Same as above.

TABLE 2C-1. SUMMARY OF MAINTENANCE AND REPAIR ACTIVITIES

FACILITY	CONDITION IDENTIFIED	DATE	ACTIONS TAKEN	DATE	PROCEDURES/MATERIALS USED	DOCUMENTATION
EVAPORATION POND 2 (cont.)	Two (2) erosion gullies with a depth of two feet (2') or more were identified on the east embankment. Since 9/7/07, 1-2 additional erosion holes have been found.	9/7/2007	11/16/07 Holes/gullies were repaired with compacted soil. The procedure outlined in 291-03793 was not followed. 12/07/07 Holes were rebored and filled with bentonite & cement slurry per procedure outlined in 291-03793.	11/16/2007 - 12/07/2007	11/16/07 Holes/gullies were prepped, filled with soil, and compacted to finish grade. 12/07/07 Boreholes were (1) Augered out and removed loose material; (2) Filled the holes with a 1 to 6 cement to bentonite slurry to within 6 inches of the top of the holes; and (3) Capped the remaining 6 inches of the holes with compacted soil.	APS letters 291-3784 (ADEQ); 291-03793 (ADWR/ADEQ); 10-24-07 e mail from R Murthy (ADWR); CRAI 3105713 & CMWRF #3060581.
	GSE inspected all 4 sides above the water line.	9/28/2007	No defects found.			
	GSE inspected all 4 sides above the water line.	11/14/2007	No defects found.			
	4 small potholes, 2 on the north embankment and 2 on the east embankment were observed.	12/4/2007	Repairs made.	12/14/2007	APS (1) Augered out the potholes and erosion holes and removed loose material; (2) Filled the holes with a 1 to 6 cement to bentonite slurry to within 6 inches of the top of the holes; and (3) Capped the remaining 6 inches of the holes with compacted soil.	APS letter 291-03824, CRAI 3106272, CMWRF 3104847
	4 liner tears were confirmed. 2 tears on the west embankment, and 1 tear on each of the east and north embankments.	12/13/2007	Repairs made.	1/13/2008	Fusion bond with a bead.	APS Letter 291-03832, CRAI 3112389, WO 2961897
	Eighteen(18) minor potholes and ruts observed on top of the embankments of Evaporation Ponds No. I and 2.	12/19/2007	Both potholes and ruts on Evap Pond 2. Potholes and ruts repaired.	1/4/2008	Ruts Work Instructions: (1) Perform excavation as needed; (2) Pre-wet and prep ground rut scar firing; (3) Fill the rut with soil and compact to 13-CN-300 standards. Potholes: APS (1) Augered out the potholes and erosion holes and removed loose material; (2) Filled the holes with a 1 to 6 cement to bentonite slurry to within 6 inches of the top of the holes; and (3) Capped the remaining 6 inches of the holes with compacted soil.	APS Letter 91-03833, CRAI 3112562, WO #3112150
RUBBISH LANDFILL	Observed rainfall ponding in Landfill from movement of Heavey Equipment during the process of working active rubbish.	2/20/2007	The Active Area of Rubbish Landfill was reworked to ensure rain water will drain and not pond. WRF Section Leader inspected and approved completion of work.	3/5/2007	Reworked existing SOIL	CRDR #2975880 CRAI #2975882 CRAI #2975883
RETENTION BASINS	Retention Tanks began receiving water. Retention Basins no longer receiving water.	3/2/2007				
	Last release to Evaporation Ponds.	3/3/2007				
SLUDGE LANDFILL	Observed rainwater ponding in active sludge landfill where 80 acre sludge is disposed.	2/20/2007	The ponded rainwater was pumped to a flat area outside the sludge landfill and dispersed, the low areas were graded and filled to prevent ponding.	3/14/2007	Procedure used: WROP-8ZZ04, Section 5.1, WRF Landfill Operation. Used excavator and dozer to fill low areas.	CRAI 2975907 CRAI 2975908
	During a post storm inspection required by the APP, 2 areas of ponding water were identified on the sludge landfill. One area was located on the west side of the main sludge landfill where cooling tower sludge is disposed. The other was located on the north end of the landfill.	12/4/2007	A tee connection and pump was installed for dewatering the low spot on the edge of the northeast side of active sludge landfill. The pump will be used to pump the water away from the low spot near the edge of the landfill after rainstorms until the 80 acre reservoir lining is complete and the low area has been graded and drainage flow redirected.	1/7/2008		PVAR 3105764 CRAI 3106258.
			The low area west of the main sludge landfill was graded to prevent pooling and a drainage ditch (v-ditch) installed where the cooling tower sludge is deposited.	1/9/2008		PVAR 3105764 CRAI 3106257.

2. IMPOUNDMENT MONITORING

D. SUMMARY OF THE RESULTS OF ALL LINER LEAKAGE

TABLE 2D-1. EVAPORATION PONDS LINER LEAKAGE SUMMARY TABLE

EVAPORATION POND 1 LINER LEAKAGE ALERT LEVEL: 50,000GPD

EVAP POND 1 PRIMARY LINER - SW SUMP				EVAP POND 1 PRIMARY LINER - SE SUMP			
METER READ DATE	METER READ AFTER PUMPING	GALLONS PUMPED	CALCULATED LEAKAGE RATE (GPD)	METER READ DATE	METER READ AFTER PUMPING	GALLONS PUMPED	CALCULATED LEAKAGE RATE (GPD)
01/03/07	50,648	22	4.4	1/3/07	169,941	167	33.5
01/10/07	50,648	0	0.0	1/10/07	169,941	0	0.0
01/16/07	50,663	15	2.5	1/16/07	170,104	163	27.2
01/22/07	50,709	46	7.7	1/22/07	170,293	188	31.4
01/30/07	50,739	30	3.7	1/30/07	170,408	116	14.5
02/06/07	50,779	40	5.7	2/6/07	172,351	1,943	277.6
02/15/07	50,851	72	8.0	2/15/07	173,350	999	111.0
02/20/07	50,851	0	0.0	2/20/07	173,464	114	22.8
02/26/07	51,190	339	56.4	2/26/07	173,592	127	21.2
03/06/07	52,081	892	111.4	3/6/07	173,716	125	15.6
03/13/07	52,561	479	68.5	3/13/07	173,826	109	15.6
03/20/07	52,809	249	35.5	3/20/07	174,001	175	25.0
03/27/07	53,779	970	138.5	3/27/07	174,103	103	14.7
04/04/07	57,593	3,814	476.8	4/4/07	174,379	275	34.4
04/10/07	57,986	394	65.6	4/10/07	174,485	106	17.6
04/20/07	58,138	151	15.1	4/20/07	174,678	193	19.3
04/26/07	58,184	47	7.8	4/26/07	174,829	152	25.3
05/04/07	58,193	9	1.1	5/4/07	174,930	101	12.6
05/08/07	58,215	22	5.5	5/8/07	174,982	51	12.8
05/14/07	58,268	53	8.9	5/14/07	175,333	352	58.6
05/23/07	58,345	76	8.5	5/23/07	175,813	480	53.3
06/01/07	64	72	8.0	6/1/07	176,408	595	66.1
06/05/07	130	66	16.6	6/5/07	176,758	350	87.5
06/15/07	226	96	9.6	6/15/07	177,090	331	33.1
06/22/07	323	97	13.9	6/22/07	177,400	310	44.3
06/28/07	408	85	14.2	6/28/07	177,727	327	54.5
07/03/07	473	65	13.0	7/3/07	178,045	318	63.6
07/10/07	548	74	10.6	7/10/07	178,456	411	58.7
07/19/07	608	60	6.7	7/19/07	178,802	347	38.5
07/24/07	655	47	9.4	7/24/07	179,138	336	67.1
07/31/07	669	14	2.0	7/31/07	179,468	330	47.2
08/08/07	787	118	14.8	8/8/07	179,784	316	39.4
08/16/07	842	55	6.8	8/16/07	180,089	306	38.2
08/24/07	864	22	2.8	8/24/07	180,388	299	37.4
08/28/07	942	79	19.6	8/28/07	180,673	285	71.2
09/04/07	968	26	3.7	9/4/07	180,947	274	39.1
09/14/07	1,036	68	6.8	9/14/07	181,307	359	35.9
09/20/07	1,052	17	2.8	9/20/07	181,438	132	21.9
09/25/07	1,081	29	5.8	9/25/07	181,516	77	15.5
10/05/07	1,088	7	0.7	10/5/07	181,773	258	25.8
10/12/07	1,091	3	0.4	10/12/07	181,810	37	5.3
10/16/07	1,094	3	0.7	10/16/07	181,829	19	4.8
10/26/07	1,135	41	4.1	10/26/07	181,873	43	4.3
)/30/07	1,136	1	0.3	10/30/07	181,896	24	5.9
'/09/07	1,142	6	0.6	11/9/07	181,947	51	5.1
. .16/07	1,142	0	0.0	11/16/07	181,984	37	5.3
11/20/07	1,173	32	7.9	11/20/07	181,977	0	0.0

TABLE 2D-1. EVAPORATION PONDS LINER LEAKAGE SUMMARY TABLE

EVAPORATION POND 1 LINER LEAKAGE ALERT LEVEL: 50,000GPD							
EVAP POND 1 PRIMARY LINER - SW SUMP				EVAP POND 1 PRIMARY LINER - SE SUMP			
METER READ DATE	METER READ AFTER PUMPING	GALLONS PUMPED	CALCULATED LEAKAGE RATE (GPD)	METER READ DATE	METER READ AFTER PUMPING	GALLONS PUMPED	CALCULATED LEAKAGE RATE (GPD)
11/29/07	1,180	7	0.8	11/29/07	182,019	42	4.7
12/06/07	1,202	22	3.2	12/6/07	182,067	48	6.8
12/11/07	1,211	8	1.6	12/11/07	182,110	43	8.7
12/19/07	1,211	0	0.0	12/19/07	182,114	4	0.5
12/27/07	1,225	14	1.8	12/27/07	188,040	5,926	740.8
2007 Total Gallons		8,952		2007 Total Gallons:		18,273	

TABLE 2D-1. LINER LEAKAGE SUMMARY (Continued)

	EVAPORATION POND 2 LINER LEAKAGE ALERT LEVEL: 44,000GPD			RETENTION BASIN LINER LEAKAGE ALERT LEVEL: 24 GPD	STORAGE RESERVOIR LINER LEAKAGE ALERT LEVEL: NONE
	EVAP POND 2 - SW SUMP	EVAP POND 2 - SE SUMP	EVAP POND 2 - NE SUMP	RETENTION BASINS SUMP	NO COLLECTION SUMP
CALCULATED LEAKAGE RATE (GPD)	No leakage observed in 2007	No leakage observed in 2007	No leakage observed in 2007	No leakage observed in 2007	Not in service during 2007

GPD = gallons per day

TABLE 2D-2. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 1
ALERT LEVEL 1: 3,717GPD ALERT LEVEL 2: 118,360 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	296	02/01/07	96	03/01/07	256
01/02/07	336	02/02/07	80	03/02/07	232
01/03/07	320	02/03/07	96	03/03/07	248
01/04/07	344	02/04/07	120	03/04/07	264
01/05/07	344	02/05/07	72	03/05/07	240
01/06/07	288	02/06/07	72	03/06/07	232
01/07/07	304	02/07/07	104	03/07/07	232
01/08/07	400	02/08/07	96	03/08/07	240
01/09/07	376	02/09/07	128	03/09/07	208
01/10/07	256	02/10/07	248	03/10/07	216
01/11/07	328	02/11/07	240	03/11/07	256
01/12/07	344	02/12/07	120	03/12/07	240
01/13/07	400	02/13/07	136	03/13/07	200
01/14/07	400	02/14/07	144	03/14/07	224
01/15/07	304	02/15/07	136	03/15/07	216
01/16/07	312	02/16/07	120	03/16/07	216
01/17/07	272	02/17/07	160	03/17/07	224
01/18/07	136	02/18/07	216	03/18/07	336
01/19/07	136	02/19/07	224	03/19/07	304
01/20/07	184	02/20/07	240	03/20/07	376
01/21/07	128	02/21/07	336	03/21/07	336
01/22/07	104	02/22/07	336	03/22/07	344
01/23/07	96	02/23/07	312	03/23/07	288
01/24/07	88	02/24/07	296	03/24/07	264
01/25/07	120	02/25/07	280	03/25/07	232
01/26/07	144	02/26/07	288	03/26/07	168
01/27/07	104	02/27/07	248	03/27/07	88
01/28/07	80	02/28/07	264	03/28/07	120
01/29/07	80			03/29/07	192
01/30/07	64			03/30/07	176
01/31/07	56			03/31/07	168

TABLE 2D-2. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 1
ALERT LEVEL 1: 3,717GPD ALERT LEVEL 2: 118,360 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	152	05/01/07	224	06/01/07	32
04/02/07	88	05/02/07	88	06/02/07	40
04/03/07	112	05/03/07	56	06/03/07	32
04/04/07	128	05/04/07	40	06/04/07	24
04/05/07	120	05/05/07	40	06/05/07	16
04/06/07	184	05/06/07	24	06/06/07	24
04/07/07	232	05/07/07	28	06/07/07	40
04/08/07	240	05/08/07	56	06/08/07	16
04/09/07	192	05/09/07	40	06/09/07	24
04/10/07	208	05/10/07	16	06/10/07	24
04/11/07	352	05/11/07	24	06/11/07	16
04/12/07	296	05/12/07	24	06/12/07	32
04/13/07	280	05/13/07	16	06/13/07	32
04/14/07	288	05/14/07	16	06/14/07	24
04/15/07	280	05/15/07	64	06/15/07	16
04/16/07	296	05/16/07	48	06/16/07	8
04/17/07	296	05/17/07	32	06/17/07	16
04/18/07	320	05/18/07	24	06/18/07	16
04/19/07	272	05/19/07	56	06/19/07	16
04/20/07	152	05/20/07	40	06/20/07	16
04/21/07	128	05/21/07	24	06/21/07	16
04/22/07	160	05/22/07	72	06/22/07	8
04/23/07	104	05/23/07	48	06/23/07	8
04/24/07	128	05/24/07	40	06/24/07	8
04/25/07	128	05/25/07	6	06/25/07	8
04/26/07	216	05/26/07	40	06/26/07	16
04/27/07	488	05/27/07	32	06/27/07	16
04/28/07	536	05/28/07	88	06/28/07	16
04/29/07	456	05/29/07	216	06/29/07	80
04/30/07	256	05/30/07	152	06/30/07	16
		05/31/07	56		

TABLE 2D-2. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 1
ALERT LEVEL 1: 3,717GPD ALERT LEVEL 2: 118,360 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
07/01/07	0	08/01/07	7	09/01/07	350
07/02/07	0	08/02/07	14	09/02/07	217
07/03/07	0	08/03/07	7	09/03/07	224
07/04/07	0	08/04/07	7	09/04/07	182
07/05/07	147	08/05/07	14	09/05/07	224
07/06/07	21	08/06/07	14	09/06/07	217
07/07/07	14	08/07/07	7	09/07/07	126
07/08/07	28	08/08/07	150	09/08/07	385
07/09/07	21	08/09/07	126	09/09/07	140
07/10/07	14	08/10/07	54	09/10/07	84
07/11/07	14	08/11/07	42	09/11/07	70
07/12/07	14	08/12/07	28	09/12/07	98
07/13/07	14	08/13/07	378	09/13/07	140
07/14/07	14	08/14/07	630	09/14/07	49
07/15/07	14	08/15/07	560	09/15/07	49
07/16/07	21	08/16/07	462	09/16/07	161
07/17/07	14	08/17/07	483	09/17/07	112
07/18/07	14	08/18/07	525	09/18/07	126
07/19/07	14	08/19/07	385	09/19/07	196
07/20/07	7	08/20/07	448	09/20/07	28
07/21/07	7	08/21/07	420	09/21/07	63
07/22/07	14	08/22/07	462	09/22/07	42
07/23/07	7	08/23/07	532	09/23/07	0
07/24/07	14	08/24/07	455	09/24/07	133
07/25/07	35	08/25/07	392	09/25/07	63
07/26/07	105	08/26/07	371	09/26/07	56
07/27/07	28	08/27/07	287	09/27/07	0
07/28/07	14	08/28/07	385	09/28/07	91
07/29/07	21	08/29/07	287	09/29/07	0
07/30/07	14	08/30/07	266	09/30/07	77
07/31/07	21	08/31/07	245		

TABLE 2D-2. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 1
ALERT LEVEL 1: 12,903 GPD ALERT LEVEL 2: 420,657 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
10/01/07	70	11/01/07	130	12/01/07	0
10/02/07	60	11/02/07	30	12/02/07	0
10/03/07	60	11/03/07	80	12/03/07	100
10/04/07	40	11/04/07	40	12/04/07	100
10/05/07	30	11/05/07	110	12/05/07	0
10/06/07	0	11/06/07	50	12/06/07	70
10/07/07	40	11/07/07	50	12/07/07	90
10/08/07	90	11/08/07	30	12/08/07	110
10/09/07	30	11/09/07	40	12/09/07	80
10/10/07	50	11/10/07	20	12/10/07	30
10/11/07	50	11/11/07	50	12/11/07	10
10/12/07	0	11/12/07	0	12/12/07	0
10/13/07	0	11/13/07	60	12/13/07	5
10/14/07	150	11/14/07	40	12/14/07	0
10/15/07	30	11/15/07	40	12/15/07	0
10/16/07	0	11/16/07	20	12/16/07	0
10/17/07	0	11/17/07	100	12/17/07	0
10/18/07	100	11/18/07	130	12/18/07	0
10/19/07	30	11/19/07	120	12/19/07	0
10/20/07	0	11/20/07	100	12/20/07	0
10/21/07	50	11/21/07	50	12/21/07	0
10/22/07	50	11/22/07	120	12/22/07	0
10/23/07	40	11/23/07	60	12/23/07	10
10/24/07	20	11/24/07	20	12/24/07	0
10/25/07	60	11/25/07	70	12/25/07	0
10/26/07	40	11/26/07	50	12/26/07	0
10/27/07	30	11/27/07	80	12/27/07	0
10/28/07	20	11/28/07	100	12/28/07	10
10/29/07	60	11/29/07	120	12/29/07	20
10/30/07	110	11/30/07	80	12/30/07	20
10/31/07	0			12/31/07	100
Total Gallons Pumped 2007					**46,028**

TABLE 2D-3. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 2 ALERT LEVEL 1: 3,387 GPD ALERT LEVEL 2: 107,864 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	56	02/01/07	24	03/01/07	64
01/02/07	63	02/02/07	20	03/02/07	58
01/03/07	60	02/03/07	24	03/03/07	62
01/04/07	65	02/04/07	30	03/04/07	66
01/05/07	65	02/05/07	18	03/05/07	60
01/06/07	54	02/06/07	18	03/06/07	58
01/07/07	57	02/07/07	26	03/07/07	58
01/08/07	75	02/08/07	24	03/08/07	30
01/09/07	71	02/09/07	32	03/09/07	26
01/10/07	48	02/10/07	62	03/10/07	27
01/11/07	62	02/11/07	60	03/11/07	32
01/12/07	65	02/12/07	30	03/12/07	45
01/13/07	75	02/13/07	34	03/13/07	38
01/14/07	75	02/14/07	36	03/14/07	42
01/15/07	57	02/15/07	34	03/15/07	27
01/16/07	59	02/16/07	30	03/16/07	27
01/17/07	51	02/17/07	40	03/17/07	42
01/18/07	34	02/18/07	54	03/18/07	63
01/19/07	34	02/19/07	56	03/19/07	38
01/20/07	46	02/20/07	60	03/20/07	71
01/21/07	32	02/21/07	63	03/21/07	42
01/22/07	26	02/22/07	42	03/22/07	43
01/23/07	24	02/23/07	78	03/23/07	36
01/24/07	22	02/24/07	74	03/24/07	50
01/25/07	30	02/25/07	70	03/25/07	44
01/26/07	27	02/26/07	72	03/26/07	42
01/27/07	20	02/27/07	62	03/27/07	22
01/28/07	20	02/28/07	66	03/28/07	30
01/29/07	20			03/29/07	48
01/30/07	16			03/30/07	44
01/31/07	14			03/31/07	42

TABLE 2D-3. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 2
ALERT LEVEL 1: 3,387 GPD ALERT LEVEL 2: 107,864 A37GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	38	05/01/07	56	06/01/07	8
04/02/07	22	05/02/07	22	06/02/07	10
04/03/07	28	05/03/07	14	06/03/07	8
04/04/07	32	05/04/07	10	06/04/07	3
04/05/07	30	05/05/07	10	06/05/07	2
04/06/07	23	05/06/07	6	06/06/07	3
04/07/07	29	05/07/07	7	06/07/07	5
04/08/07	30	05/08/07	14	06/08/07	2
04/09/07	24	05/09/07	10	06/09/07	3
04/10/07	26	05/10/07	4	06/10/07	6
04/11/07	44	05/11/07	6	06/11/07	2
04/12/07	37	05/12/07	6	06/12/07	4
04/13/07	35	05/13/07	4	06/13/07	4
04/14/07	36	05/14/07	2	06/14/07	3
04/15/07	35	05/15/07	8	06/15/07	4
04/16/07	37	05/16/07	6	06/16/07	2
04/17/07	37	05/17/07	4	06/17/07	4
04/18/07	40	05/18/07	6	06/18/07	2
04/19/07	34	05/19/07	14	06/19/07	2
04/20/07	20	05/20/07	10	06/20/07	4
04/21/07	32	05/21/07	3	06/21/07	4
04/22/07	40	05/22/07	9	06/22/07	1
04/23/07	26	05/23/07	6	06/23/07	1
04/24/07	32	05/24/07	10	06/24/07	1
04/25/07	32	05/25/07	2	06/25/07	2
04/26/07	54	05/26/07	5	06/26/07	2
04/27/07	122	05/27/07	8	06/27/07	2
04/28/07	134	05/28/07	22	06/28/07	4
04/29/07	114	05/29/07	54	06/29/07	10
04/30/07	32	05/30/07	38	06/30/07	2
		05/31/07	14		

TABLE 2D-3. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 2
ALERT LEVEL 1: 3,387 GPD ALERT LEVEL 2: 107,864 A24GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
07/01/07	0	08/01/07	3	09/01/07	150
07/02/07	0	08/02/07	6	09/02/07	93
07/03/07	0	08/03/07	3	09/03/07	96
07/04/07	0	08/04/07	3	09/04/07	78
07/05/07	63	08/05/07	6	09/05/07	96
07/06/07	9	08/06/07	6	09/06/07	93
07/07/07	6	08/07/07	3	09/07/07	54
07/08/07	12	08/08/07	75	09/08/07	165
07/09/07	9	08/09/07	63	09/09/07	60
07/10/07	6	08/10/07	27	09/10/07	36
07/11/07	6	08/11/07	18	09/11/07	30
07/12/07	6	08/12/07	12	09/12/07	42
07/13/07	6	08/13/07	162	09/13/07	60
07/14/07	6	08/14/07	270	09/14/07	21
07/15/07	6	08/15/07	240	09/15/07	21
07/16/07	9	08/16/07	198	09/16/07	69
07/17/07	6	08/17/07	207	09/17/07	48
07/18/07	6	08/18/07	225	09/18/07	54
07/19/07	6	08/19/07	165	09/19/07	84
07/20/07	3	08/20/07	192	09/20/07	12
07/21/07	3	08/21/07	180	09/21/07	27
07/22/07	6	08/22/07	198	09/22/07	18
07/23/07	3	08/23/07	228	09/23/07	0
07/24/07	6	08/24/07	195	09/24/07	57
07/25/07	15	08/25/07	168	09/25/07	27
07/26/07	45	08/26/07	159	09/26/07	24
07/27/07	12	08/27/07	123	09/27/07	0
07/28/07	6	08/28/07	165	09/28/07	39
07/29/07	9	08/29/07	123	09/29/07	0
07/30/07	6	08/30/07	114	09/30/07	33
07/31/07	9	08/31/07	105		
Total Gallons Pumped 2007					**11,302**

TABLE 2D-4. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 3 ALERT LEVEL: 1,865 GPD ALERT LEVEL 2: 59,404 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	0	02/01/07	0	03/01/07	0
01/02/07	0	02/02/07	0	03/02/07	0
01/03/07	0	02/03/07	0	03/03/07	0
01/04/07	0	02/04/07	0	03/04/07	0
01/05/07	0	02/05/07	0	03/05/07	0
01/06/07	0	02/06/07	0	03/06/07	0
01/07/07	0	02/07/07	0	03/07/07	0
01/08/07	0	02/08/07	0	03/08/07	15
01/09/07	0	02/09/07	0	03/09/07	13
01/10/07	0	02/10/07	0	03/10/07	14
01/11/07	0	02/11/07	0	03/11/07	16
01/12/07	0	02/12/07	0	03/12/07	15
01/13/07	0	02/13/07	0	03/13/07	13
01/14/07	0	02/14/07	0	03/14/07	14
01/15/07	0	02/15/07	0	03/15/07	14
01/16/07	0	02/16/07	0	03/16/07	14
01/17/07	0	02/17/07	0	03/17/07	14
01/18/07	0	02/18/07	0	03/18/07	21
01/19/07	0	02/19/07	0	03/19/07	19
01/20/07	0	02/20/07	0	03/20/07	0
01/21/07	0	02/21/07	0	03/21/07	21
01/22/07	0	02/22/07	21	03/22/07	22
01/23/07	0	02/23/07	0	03/23/07	18
01/24/07	0	02/24/07	0	03/24/07	0
01/25/07	0	02/25/07	0	03/25/07	0
01/26/07	0	02/26/07	0	03/26/07	0
01/27/07	0	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-4. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 3
ALERT LEVEL: 1, 865 GPD ALERT LEVEL 2: 59,404 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	05/01/07	0	06/01/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	0
04/05/07	0	05/05/07	0	06/05/07	0
04/06/07	11	05/06/07	0	06/06/07	0
04/07/07	15	05/07/07	0	06/07/07	0
04/08/07	15	05/08/07	0	06/08/07	0
04/09/07	24	05/09/07	0	06/09/07	0
04/10/07	13	05/10/07	0	06/10/07	0
04/11/07	22	05/11/07	0	06/11/07	0
04/12/07	19	05/12/07	0	06/12/07	0
04/13/07	35	05/13/07	0	06/13/07	0
04/14/07	18	05/14/07	0	06/14/07	0
04/15/07	18	05/15/07	0	06/15/07	0
04/16/07	19	05/16/07	0	06/16/07	0
04/17/07	19	05/17/07	0	06/17/07	0
04/18/07	20	05/18/07	0	06/18/07	0
04/19/07	17	05/19/07	0	06/19/07	0
04/20/07	10	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	0	06/21/07	0
04/22/07	0	05/22/07	0	06/22/07	0
04/23/07	0	05/23/07	0	06/23/07	0
04/24/07	0	05/24/07	0	06/24/07	0
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	5	06/26/07	0
04/27/07	0	05/27/07	0	06/27/07	0
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	0
04/30/07	16	05/30/07	0	06/30/07	0
		05/31/07	0		

TABLE 2D-4. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 3 ALERT LEVEL: 1,865 GPD ALERT LEVEL 2: 59,404 A30GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	0	09/08/07	0
07/09/07	0	08/09/07	0	09/09/07	0
07/10/07	0	08/10/07	0	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		0
Total Gallons Pumped 2007					**558**

TABLE 2D-5. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 4
ALERT LEVEL: 1,753 GPD ALERT LEVEL 2: 55,830 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	19	02/01/07	0	03/01/07	0
01/02/07	21	02/02/07	0	03/02/07	0
01/03/07	20	02/03/07	0	03/03/07	0
01/04/07	22	02/04/07	0	03/04/07	0
01/05/07	22	02/05/07	0	03/05/07	0
01/06/07	18	02/06/07	0	03/06/07	0
01/07/07	19	02/07/07	0	03/07/07	0
01/08/07	25	02/08/07	0	03/08/07	15
01/09/07	24	02/09/07	0	03/09/07	13
01/10/07	16	02/10/07	0	03/10/07	14
01/11/07	21	02/11/07	0	03/11/07	16
01/12/07	22	02/12/07	0	03/12/07	0
01/13/07	25	02/13/07	0	03/13/07	0
01/14/07	25	02/14/07	0	03/14/07	0
01/15/07	19	02/15/07	0	03/15/07	14
01/16/07	20	02/16/07	0	03/16/07	14
01/17/07	17	02/17/07	0	03/17/07	0
01/18/07	0	02/18/07	0	03/18/07	0
01/19/07	0	02/19/07	0	03/19/07	19
01/20/07	0	02/20/07	0	03/20/07	24
01/21/07	0	02/21/07	21	03/21/07	21
01/22/07	0	02/22/07	21	03/22/07	22
01/23/07	0	02/23/07	0	03/23/07	18
01/24/07	0	02/24/07	0	03/24/07	17
01/25/07	0	02/25/07	0	03/25/07	15
01/26/07	9	02/26/07	0	03/26/07	0
01/27/07	7	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-5. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 4
ALERT LEVEL: 1,753 GPD ALERT LEVEL 2: 55,830 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	05/01/07	0	06/01/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	3
04/05/07	0	05/05/07	0	06/05/07	2
04/06/07	12	05/06/07	0	06/06/07	3
04/07/07	14	05/07/07	0	06/07/07	5
04/08/07	15	05/08/07	0	06/08/07	2
04/09/07	0	05/09/07	0	06/09/07	3
04/10/07	13	05/10/07	0	06/10/07	0
04/11/07	22	05/11/07	0	06/11/07	2
04/12/07	18	05/12/07	0	06/12/07	4
04/13/07	0	05/13/07	0	06/13/07	4
04/14/07	18	05/14/07	2	06/14/07	3
04/15/07	17	05/15/07	8	06/15/07	0
04/16/07	18	05/16/07	6	06/16/07	0
04/17/07	18	05/17/07	4	06/17/07	0
04/18/07	20	05/18/07	0	06/18/07	2
04/19/07	17	05/19/07	0	06/19/07	2
04/20/07	8	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	3	06/21/07	0
04/22/07	0	05/22/07	9	06/22/07	1
04/23/07	0	05/23/07	6	06/23/07	1
04/24/07	0	05/24/07	0	06/24/07	1
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	0	06/26/07	2
04/27/07	0	05/27/07	0	06/27/07	2
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	10
04/30/07	16	05/30/07	0	06/30/07	2
		05/31/07	0		

TABLE 2D-5. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 4 ALERT LEVEL: 1,753 GPD ALERT LEVEL 2: 55,830 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	25	09/08/07	0
07/09/07	0	08/09/07	21	09/09/07	0
07/10/07	0	08/10/07	9	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		
Total Gallons Pumped 2007					**1,001**

TABLE 2D-6. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 5
ALERT LEVEL: 1,697 GPD ALERT LEVEL 2: 154,044 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	0	02/01/07	0	03/01/07	0
01/02/07	0	02/02/07	0	03/02/07	0
01/03/07	0	02/03/07	0	03/03/07	0
01/04/07	0	02/04/07	0	03/04/07	0
01/05/07	0	02/05/07	0	03/05/07	0
01/06/07	0	02/06/07	0	03/06/07	0
01/07/07	0	02/07/07	0	03/07/07	0
01/08/07	0	02/08/07	0	03/08/07	0
01/09/07	0	02/09/07	0	03/09/07	0
01/10/07	0	02/10/07	0	03/10/07	0
01/11/07	0	02/11/07	0	03/11/07	0
01/12/07	0	02/12/07	0	03/12/07	0
01/13/07	0	02/13/07	0	03/13/07	0
01/14/07	0	02/14/07	0	03/14/07	0
01/15/07	0	02/15/07	0	03/15/07	0
01/16/07	0	02/16/07	0	03/16/07	0
01/17/07	0	02/17/07	0	03/17/07	0
01/18/07	0	02/18/07	0	03/18/07	0
01/19/07	0	02/19/07	0	03/19/07	0
01/20/07	0	02/20/07	0	03/20/07	0
01/21/07	0	02/21/07	0	03/21/07	0
01/22/07	0	02/22/07	0	03/22/07	0
01/23/07	0	02/23/07	0	03/23/07	0
01/24/07	0	02/24/07	0	03/24/07	0
01/25/07	0	02/25/07	0	03/25/07	0
01/26/07	0	02/26/07	0	03/26/07	0
01/27/07	0	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-6. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 5 ALERT LEVEL: 1,697 GPD ALERT LEVEL 2: 154,044 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	05/01/07	0	06/01/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	0
04/05/07	0	05/05/07	0	06/05/07	0
04/06/07	0	05/06/07	0	06/06/07	0
04/07/07	0	05/07/07	0	06/07/07	0
04/08/07	0	05/08/07	0	06/08/07	0
04/09/07	0	05/09/07	0	06/09/07	0
04/10/07	0	05/10/07	0	06/10/07	0
04/11/07	0	05/11/07	0	06/11/07	0
04/12/07	0	05/12/07	0	06/12/07	0
04/13/07	0	05/13/07	0	06/13/07	0
04/14/07	0	05/14/07	0	06/14/07	0
04/15/07	0	05/15/07	0	06/15/07	0
04/16/07	0	05/16/07	0	06/16/07	0
04/17/07	0	05/17/07	0	06/17/07	0
04/18/07	0	05/18/07	0	06/18/07	0
04/19/07	0	05/19/07	0	06/19/07	0
04/20/07	0	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	0	06/21/07	0
04/22/07	0	05/22/07	0	06/22/07	0
04/23/07	0	05/23/07	0	06/23/07	0
04/24/07	0	05/24/07	0	06/24/07	0
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	0	06/26/07	0
04/27/07	0	05/27/07	0	06/27/07	0
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	0
04/30/07	0	05/30/07	0	06/30/07	0
		05/31/07	0		

TABLE 2D-6. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 5 ALERT LEVEL: 1,697 GPD ALERT LEVEL 2: 154,044 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	0	09/08/07	0
07/09/07	0	08/09/07	0	09/09/07	0
07/10/07	0	08/10/07	0	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		
Total Gallons Pumped 2007					**0**

TABLE 2D-7. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 6 ALERT LEVEL: 1,809 GPD ALERT LEVEL 2: 57,617 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	0	02/01/07	0	03/01/07	0
01/02/07	0	02/02/07	0	03/02/07	0
01/03/07	0	02/03/07	0	03/03/07	0
01/04/07	0	02/04/07	0	03/04/07	0
01/05/07	0	02/05/07	0	03/05/07	0
01/06/07	0	02/06/07	0	03/06/07	0
01/07/07	0	02/07/07	0	03/07/07	0
01/08/07	0	02/08/07	0	03/08/07	0
01/09/07	0	02/09/07	0	03/09/07	0
01/10/07	0	02/10/07	0	03/10/07	0
01/11/07	0	02/11/07	0	03/11/07	0
01/12/07	0	02/12/07	0	03/12/07	0
01/13/07	0	02/13/07	0	03/13/07	0
01/14/07	0	02/14/07	0	03/14/07	0
01/15/07	0	02/15/07	0	03/15/07	0
01/16/07	0	02/16/07	0	03/16/07	0
01/17/07	0	02/17/07	0	03/17/07	0
01/18/07	0	02/18/07	0	03/18/07	0
01/19/07	0	02/19/07	0	03/19/07	0
01/20/07	0	02/20/07	0	03/20/07	0
01/21/07	0	02/21/07	0	03/21/07	0
01/22/07	0	02/22/07	0	03/22/07	0
01/23/07	0	02/23/07	0	03/23/07	0
01/24/07	0	02/24/07	0	03/24/07	0
01/25/07	0	02/25/07	0	03/25/07	0
01/26/07	0	02/26/07	0	03/26/07	0
01/27/07	0	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-7. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 6
ALERT LEVEL: 1,809 GPD ALERT LEVEL 2: 57,617 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	05/01/07	0	06/01/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	0
04/05/07	0	05/05/07	0	06/05/07	0
04/06/07	0	05/06/07	0	06/06/07	0
04/07/07	0	05/07/07	0	06/07/07	0
04/08/07	0	05/08/07	0	06/08/07	0
04/09/07	0	05/09/07	0	06/09/07	0
04/10/07	0	05/10/07	0	06/10/07	0
04/11/07	0	05/11/07	0	06/11/07	0
04/12/07	0	05/12/07	0	06/12/07	0
04/13/07	0	05/13/07	0	06/13/07	0
04/14/07	0	05/14/07	0	06/14/07	0
04/15/07	0	05/15/07	0	06/15/07	0
04/16/07	0	05/16/07	0	06/16/07	0
04/17/07	0	05/17/07	0	06/17/07	0
04/18/07	0	05/18/07	0	06/18/07	0
04/19/07	0	05/19/07	0	06/19/07	0
04/20/07	0	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	0	06/21/07	0
04/22/07	0	05/22/07	0	06/22/07	0
04/23/07	0	05/23/07	0	06/23/07	0
04/24/07	0	05/24/07	0	06/24/07	0
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	0	06/26/07	0
04/27/07	0	05/27/07	0	06/27/07	0
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	0
04/30/07	0	05/30/07	0	06/30/07	0
		05/31/07	0		

TABLE 2D-7. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 6
ALERT LEVEL: 1,809 GPD ALERT LEVEL 2: 57,617 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	0	09/08/07	0
07/09/07	0	08/09/07	0	09/09/07	0
07/10/07	0	08/10/07	0	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		
Total Gallons Pumped 2007					**0**

TABLE 2D-8. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 7
ALERT LEVEL: 1,739 GPD ALERT LEVEL 2: 55,384 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	0	02/01/07	0	03/01/07	0
01/02/07	0	02/02/07	0	03/02/07	0
01/03/07	0	02/03/07	0	03/03/07	0
01/04/07	0	02/04/07	0	03/04/07	0
01/05/07	0	02/05/07	0	03/05/07	0
01/06/07	0	02/06/07	0	03/06/07	0
01/07/07	0	02/07/07	0	03/07/07	0
01/08/07	0	02/08/07	0	03/08/07	0
01/09/07	0	02/09/07	0	03/09/07	0
01/10/07	0	02/10/07	0	03/10/07	0
01/11/07	0	02/11/07	0	03/11/07	0
01/12/07	0	02/12/07	0	03/12/07	0
01/13/07	0	02/13/07	0	03/13/07	0
01/14/07	0	02/14/07	0	03/14/07	0
01/15/07	0	02/15/07	0	03/15/07	0
01/16/07	0	02/16/07	0	03/16/07	0
01/17/07	0	02/17/07	0	03/17/07	0
01/18/07	0	02/18/07	0	03/18/07	0
01/19/07	0	02/19/07	0	03/19/07	0
01/20/07	0	02/20/07	0	03/20/07	0
01/21/07	0	02/21/07	0	03/21/07	0
01/22/07	0	02/22/07	0	03/22/07	0
01/23/07	0	02/23/07	0	03/23/07	0
01/24/07	0	02/24/07	0	03/24/07	0
01/25/07	0	02/25/07	0	03/25/07	0
01/26/07	0	02/26/07	0	03/26/07	0
01/27/07	0	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-8. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 7 ALERT LEVEL: 1,739 GPD ALERT LEVEL 2: 55,384 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	05/01/07	0	06/01/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	0
04/05/07	0	05/05/07	0	06/05/07	0
04/06/07	0	05/06/07	0	06/06/07	0
04/07/07	0	05/07/07	0	06/07/07	0
04/08/07	0	05/08/07	0	06/08/07	0
04/09/07	0	05/09/07	0	06/09/07	0
04/10/07	0	05/10/07	0	06/10/07	0
04/11/07	0	05/11/07	0	06/11/07	0
04/12/07	0	05/12/07	0	06/12/07	0
04/13/07	0	05/13/07	0	06/13/07	0
04/14/07	0	05/14/07	0	06/14/07	0
04/15/07	0	05/15/07	0	06/15/07	0
04/16/07	0	05/16/07	0	06/16/07	0
04/17/07	0	05/17/07	0	06/17/07	0
04/18/07	0	05/18/07	0	06/18/07	0
04/19/07	0	05/19/07	0	06/19/07	0
04/20/07	0	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	0	06/21/07	0
04/22/07	0	05/22/07	0	06/22/07	0
04/23/07	0	05/23/07	0	06/23/07	0
04/24/07	0	05/24/07	0	06/24/07	0
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	0	06/26/07	0
04/27/07	0	05/27/07	0	06/27/07	0
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	0
04/30/07	0	05/30/07	0	06/30/07	0
		05/31/07	0		

TABLE 2D-8. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 7 ALERT LEVEL: 1,739 GPD ALERT LEVEL 2: 55,384 GPD					
METER READ DATE	**GALLONS PUMPED**	**METER READ DATE**	**GALLONS PUMPED**	**METER READ DATE**	**GALLONS PUMPED**
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	0	09/08/07	0
07/09/07	0	08/09/07	0	09/09/07	0
07/10/07	0	08/10/07	0	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		
Total Gallons Pumped 2007					**0**

TABLE 2D-9. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 8
ALERT LEVEL 1: 1,452 GPD ALERT LEVEL 2: 46,228 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	0	02/01/07	0	03/01/07	0
01/02/07	0	02/02/07	0	03/02/07	0
01/03/07	0	02/03/07	0	03/03/07	0
01/04/07	0	02/04/07	0	03/04/07	0
01/05/07	0	02/05/07	0	03/05/07	0
01/06/07	0	02/06/07	0	03/06/07	0
01/07/07	0	02/07/07	0	03/07/07	0
01/08/07	0	02/08/07	0	03/08/07	0
01/09/07	0	02/09/07	0	03/09/07	0
01/10/07	0	02/10/07	0	03/10/07	0
01/11/07	0	02/11/07	0	03/11/07	0
01/12/07	0	02/12/07	0	03/12/07	0
01/13/07	0	02/13/07	0	03/13/07	0
01/14/07	0	02/14/07	0	03/14/07	0
01/15/07	0	02/15/07	0	03/15/07	0
01/16/07	0	02/16/07	0	03/16/07	0
01/17/07	0	02/17/07	0	03/17/07	0
01/18/07	0	02/18/07	0	03/18/07	0
01/19/07	0	02/19/07	0	03/19/07	0
01/20/07	0	02/20/07	0	03/20/07	0
01/21/07	0	02/21/07	0	03/21/07	0
01/22/07	0	02/22/07	0	03/22/07	0
01/23/07	0	02/23/07	0	03/23/07	0
01/24/07	0	02/24/07	0	03/24/07	0
01/25/07	0	02/25/07	0	03/25/07	0
01/26/07	0	02/26/07	0	03/26/07	0
01/27/07	0	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-9. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 8
ALERT LEVEL 1: 1,452 GPD ALERT LEVEL 2: 46,228 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	5/1/07	0	6/1/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	0
04/05/07	0	05/05/07	0	06/05/07	0
04/06/07	0	05/06/07	0	06/06/07	0
04/07/07	0	05/07/07	0	06/07/07	0
04/08/07	0	05/08/07	0	06/08/07	0
04/09/07	0	05/09/07	0	06/09/07	0
04/10/07	0	05/10/07	0	06/10/07	0
04/11/07	0	05/11/07	0	06/11/07	0
04/12/07	0	05/12/07	0	06/12/07	0
04/13/07	0	05/13/07	0	06/13/07	0
04/14/07	0	05/14/07	0	06/14/07	0
04/15/07	0	05/15/07	0	06/15/07	0
04/16/07	0	05/16/07	0	06/16/07	0
04/17/07	0	05/17/07	0	06/17/07	0
04/18/07	0	05/18/07	0	06/18/07	0
04/19/07	0	05/19/07	0	06/19/07	0
04/20/07	0	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	0	06/21/07	0
04/22/07	0	05/22/07	0	06/22/07	0
04/23/07	0	05/23/07	0	06/23/07	0
04/24/07	0	05/24/07	0	06/24/07	0
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	0	06/26/07	0
04/27/07	0	05/27/07	0	06/27/07	0
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	0
04/30/07	0	05/30/07	0	06/30/07	0
		05/31/07	0		

TABLE 2D-9. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 8 ALERT LEVEL 1: 1,452 GPD ALERT LEVEL 2: 46,228 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	0	09/08/07	0
07/09/07	0	08/09/07	0	09/09/07	0
07/10/07	0	08/10/07	0	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		0

TABLE 2D-9. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 8 ALERT LEVEL 1: 1,452 GPD ALERT LEVEL 2: 46,228 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
10/01/07	0	11/01/07	0	12/01/07	0
10/02/07	0	11/02/07	0	12/02/07	0
10/03/07	0	11/03/07	0	12/03/07	0
10/04/07	0	11/04/07	0	12/04/07	0
10/05/07	0	11/05/07	0	12/05/07	0
10/06/07	0	11/06/07	0	12/06/07	0
10/07/07	0	11/07/07	0	12/07/07	0
10/08/07	0	11/08/07	0	12/08/07	0
10/09/07	0	11/09/07	0	12/09/07	0
10/10/07	0	11/10/07	0	12/10/07	0
10/11/07	0	11/11/07	0	12/11/07	0
10/12/07	0	11/12/07	0	12/12/07	0
10/13/07	0	11/13/07	0	12/13/07	0
10/14/07	0	11/14/07	0	12/14/07	0
10/15/07	0	11/15/07	0	12/15/07	0
10/16/07	0	11/16/07	0	12/16/07	0
10/17/07	0	11/17/07	0	12/17/07	0
10/18/07	0	11/18/07	0	12/18/07	0
10/19/07	0	11/19/07	0	12/19/07	0
10/20/07	0	11/20/07	0	12/20/07	0
10/21/07	0	11/21/07	0	12/21/07	0
10/22/07	0	11/22/07	0	12/22/07	0
10/23/07	0	11/23/07	0	12/23/07	0
10/24/07	0	11/24/07	0	12/24/07	0
10/25/07	0	11/25/07	0	12/25/07	0
10/26/07	0	11/26/07	175	12/26/07	0
10/27/07	0	11/27/07	0	12/27/07	0
10/28/07	0	11/28/07	0	12/28/07	0
10/29/07	0	11/29/07	0	12/29/07	0
10/30/07	0	11/30/07	0	12/30/07	0
10/31/07	0			12/31/07	0
Total Gallons Pumped 2007					**175**

TABLE 2D-10. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 9 ALERT LEVEL: 1,823 GPD ALERT LEVEL 2: 58,064 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	0	02/01/07	0	03/01/07	0
01/02/07	0	02/02/07	0	03/02/07	0
01/03/07	0	02/03/07	0	03/03/07	0
01/04/07	0	02/04/07	0	03/04/07	0
01/05/07	0	02/05/07	0	03/05/07	0
01/06/07	0	02/06/07	0	03/06/07	0
01/07/07	0	02/07/07	0	03/07/07	0
01/08/07	0	02/08/07	0	03/08/07	0
01/09/07	0	02/09/07	0	03/09/07	0
01/10/07	0	02/10/07	0	03/10/07	0
01/11/07	0	02/11/07	0	03/11/07	0
01/12/07	0	02/12/07	0	03/12/07	0
01/13/07	0	02/13/07	0	03/13/07	0
01/14/07	0	02/14/07	0	03/14/07	0
01/15/07	0	02/15/07	0	03/15/07	0
01/16/07	0	02/16/07	0	03/16/07	0
01/17/07	0	02/17/07	0	03/17/07	0
01/18/07	0	02/18/07	0	03/18/07	0
01/19/07	0	02/19/07	0	03/19/07	0
01/20/07	0	02/20/07	0	03/20/07	0
01/21/07	0	02/21/07	0	03/21/07	0
01/22/07	0	02/22/07	0	03/22/07	0
01/23/07	0	02/23/07	0	03/23/07	0
01/24/07	0	02/24/07	0	03/24/07	0
01/25/07	0	02/25/07	0	03/25/07	0
01/26/07	0	02/26/07	0	03/26/07	0
01/27/07	0	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-10. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 9 ALERT LEVEL: 1,823 GPD ALERT LEVEL 2: 58,064 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	05/01/07	0	06/01/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	0
04/05/07	0	05/05/07	0	06/05/07	0
04/06/07	0	05/06/07	0	06/06/07	0
04/07/07	0	05/07/07	0	06/07/07	0
04/08/07	0	05/08/07	0	06/08/07	0
04/09/07	0	05/09/07	0	06/09/07	0
04/10/07	0	05/10/07	0	06/10/07	0
04/11/07	0	05/11/07	0	06/11/07	0
04/12/07	0	05/12/07	0	06/12/07	0
04/13/07	0	05/13/07	0	06/13/07	0
04/14/07	0	05/14/07	0	06/14/07	0
04/15/07	0	05/15/07	0	06/15/07	0
04/16/07	0	05/16/07	0	06/16/07	0
04/17/07	0	05/17/07	0	06/17/07	0
04/18/07	0	05/18/07	0	06/18/07	0
04/19/07	0	05/19/07	0	06/19/07	0
04/20/07	0	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	0	06/21/07	0
04/22/07	0	05/22/07	0	06/22/07	0
04/23/07	0	05/23/07	0	06/23/07	0
04/24/07	0	05/24/07	0	06/24/07	0
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	0	06/26/07	0
04/27/07	0	05/27/07	0	06/27/07	0
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	0
04/30/07	0	05/30/07	0	06/30/07	0
		05/31/07	0		

TABLE 2D-10. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 9 ALERT LEVEL: 1,823 GPD ALERT LEVEL 2: 58,064 GPD					
METER READ DATE	**GALLONS PUMPED**	**METER READ DATE**	**GALLONS PUMPED**	**METER READ DATE**	**GALLONS PUMPED**
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	0	09/08/07	0
07/09/07	0	08/09/07	0	09/09/07	0
07/10/07	0	08/10/07	0	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		
Total Gallons Pumped 2007					**0**

TABLE 2D-11. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 10
ALERT LEVEL: 1,711 GPD ALERT LEVEL 2: 54,490 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	0	02/01/07	0	03/01/07	0
01/02/07	0	02/02/07	0	03/02/07	0
01/03/07	0	02/03/07	0	03/03/07	0
01/04/07	0	02/04/07	0	03/04/07	0
01/05/07	0	02/05/07	0	03/05/07	0
01/06/07	0	02/06/07	0	03/06/07	0
01/07/07	0	02/07/07	0	03/07/07	0
01/08/07	0	02/08/07	0	03/08/07	0
01/09/07	0	02/09/07	0	03/09/07	0
01/10/07	0	02/10/07	0	03/10/07	0
01/11/07	0	02/11/07	0	03/11/07	0
01/12/07	0	02/12/07	0	03/12/07	0
01/13/07	0	02/13/07	0	03/13/07	0
01/14/07	0	02/14/07	0	03/14/07	0
01/15/07	0	02/15/07	0	03/15/07	0
01/16/07	0	02/16/07	0	03/16/07	0
01/17/07	0	02/17/07	0	03/17/07	0
01/18/07	0	02/18/07	0	03/18/07	0
01/19/07	0	02/19/07	0	03/19/07	0
01/20/07	0	02/20/07	0	03/20/07	0
01/21/07	0	02/21/07	0	03/21/07	0
01/22/07	0	02/22/07	0	03/22/07	0
01/23/07	0	02/23/07	0	03/23/07	0
01/24/07	0	02/24/07	0	03/24/07	0
01/25/07	0	02/25/07	0	03/25/07	0
01/26/07	0	02/26/07	0	03/26/07	0
01/27/07	0	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-11. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 10 ALERT LEVEL: 1,711 GPD ALERT LEVEL 2: 54,490 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	05/01/07	0	06/01/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	0
04/05/07	0	05/05/07	0	06/05/07	0
04/06/07	0	05/06/07	0	06/06/07	0
04/07/07	0	05/07/07	0	06/07/07	0
04/08/07	0	05/08/07	0	06/08/07	0
04/09/07	0	05/09/07	0	06/09/07	0
04/10/07	0	05/10/07	0	06/10/07	0
04/11/07	0	05/11/07	0	06/11/07	0
04/12/07	0	05/12/07	0	06/12/07	0
04/13/07	0	05/13/07	0	06/13/07	0
04/14/07	0	05/14/07	0	06/14/07	0
04/15/07	0	05/15/07	0	06/15/07	0
04/16/07	0	05/16/07	0	06/16/07	0
04/17/07	0	05/17/07	0	06/17/07	0
04/18/07	0	05/18/07	0	06/18/07	0
04/19/07	0	05/19/07	0	06/19/07	0
04/20/07	0	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	0	06/21/07	0
04/22/07	0	05/22/07	0	06/22/07	0
04/23/07	0	05/23/07	0	06/23/07	0
04/24/07	0	05/24/07	0	06/24/07	0
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	0	06/26/07	0
04/27/07	0	05/27/07	0	06/27/07	0
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	0
04/30/07	0	05/30/07	0	06/30/07	0
		05/31/07	0		

TABLE 2D-11. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 10
ALERT LEVEL: 1,711 GPD ALERT LEVEL 2: 54,490 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	0	09/08/07	0
07/09/07	0	08/09/07	0	09/09/07	0
07/10/07	0	08/10/07	0	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		
Total Gallons Pumped 2007					**0**

TABLE 2D-12. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 11 ALERT LEVEL: 1,760 GPD ALERT LEVEL 2: 56,054 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	0	02/01/07	0	03/01/07	0
01/02/07	0	02/02/07	0	03/02/07	0
01/03/07	0	02/03/07	0	03/03/07	0
01/04/07	0	02/04/07	0	03/04/07	0
01/05/07	0	02/05/07	0	03/05/07	0
01/06/07	0	02/06/07	0	03/06/07	0
01/07/07	0	02/07/07	0	03/07/07	0
01/08/07	0	02/08/07	0	03/08/07	0
01/09/07	0	02/09/07	0	03/09/07	0
01/10/07	0	02/10/07	0	03/10/07	0
01/11/07	0	02/11/07	0	03/11/07	0
01/12/07	0	02/12/07	0	03/12/07	0
01/13/07	0	02/13/07	0	03/13/07	0
01/14/07	0	02/14/07	0	03/14/07	0
01/15/07	0	02/15/07	0	03/15/07	0
01/16/07	0	02/16/07	0	03/16/07	0
01/17/07	0	02/17/07	0	03/17/07	0
01/18/07	0	02/18/07	0	03/18/07	0
01/19/07	0	02/19/07	0	03/19/07	0
01/20/07	0	02/20/07	0	03/20/07	0
01/21/07	0	02/21/07	0	03/21/07	0
01/22/07	0	02/22/07	0	03/22/07	0
01/23/07	0	02/23/07	0	03/23/07	0
01/24/07	0	02/24/07	0	03/24/07	0
01/25/07	0	02/25/07	0	03/25/07	0
01/26/07	0	02/26/07	0	03/26/07	0
01/27/07	0	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-12. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 11
ALERT LEVEL: 1,760 GPD ALERT LEVEL 2: 56,054 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	05/01/07	0	06/01/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	0
04/05/07	0	05/05/07	0	06/05/07	0
04/06/07	0	05/06/07	0	06/06/07	0
04/07/07	0	05/07/07	0	06/07/07	0
04/08/07	0	05/08/07	0	06/08/07	0
04/09/07	0	05/09/07	0	06/09/07	0
04/10/07	0	05/10/07	0	06/10/07	0
04/11/07	0	05/11/07	0	06/11/07	0
04/12/07	0	05/12/07	0	06/12/07	0
04/13/07	0	05/13/07	0	06/13/07	0
04/14/07	0	05/14/07	0	06/14/07	0
04/15/07	0	05/15/07	0	06/15/07	0
04/16/07	0	05/16/07	0	06/16/07	0
04/17/07	0	05/17/07	0	06/17/07	0
04/18/07	0	05/18/07	0	06/18/07	0
04/19/07	0	05/19/07	0	06/19/07	0
04/20/07	0	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	0	06/21/07	0
04/22/07	0	05/22/07	0	06/22/07	0
04/23/07	0	05/23/07	0	06/23/07	0
04/24/07	0	05/24/07	0	06/24/07	0
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	0	06/26/07	0
04/27/07	0	05/27/07	0	06/27/07	0
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	0
04/30/07	0	05/30/07	0	06/30/07	0
		05/31/07	0		

TABLE 2D-12. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 11 ALERT LEVEL: 1,760 GPD ALERT LEVEL 2: 56,054 GPD					
METER READ DATE	**GALLONS PUMPED**	**METER READ DATE**	**GALLONS PUMPED**	**METER READ DATE**	**GALLONS PUMPED**
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	0	09/08/07	0
07/09/07	0	08/09/07	0	09/09/07	0
07/10/07	0	08/10/07	0	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		
Total Gallons Pumped 2007					**0**

TABLE 2D-13. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 12
ALERT LEVEL: 1,725 GPD ALERT LEVEL 2: 54,939 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	0	02/01/07	0	03/01/07	0
01/02/07	0	02/02/07	0	03/02/07	0
01/03/07	0	02/03/07	0	03/03/07	0
01/04/07	0	02/04/07	0	03/04/07	0
01/05/07	0	02/05/07	0	03/05/07	0
01/06/07	0	02/06/07	0	03/06/07	0
01/07/07	0	02/07/07	0	03/07/07	0
01/08/07	0	02/08/07	0	03/08/07	0
01/09/07	0	02/09/07	0	03/09/07	0
01/10/07	0	02/10/07	0	03/10/07	0
01/11/07	0	02/11/07	0	03/11/07	0
01/12/07	0	02/12/07	0	03/12/07	0
01/13/07	0	02/13/07	0	03/13/07	0
01/14/07	0	02/14/07	0	03/14/07	0
01/15/07	0	02/15/07	0	03/15/07	0
01/16/07	0	02/16/07	0	03/16/07	0
01/17/07	0	02/17/07	0	03/17/07	0
01/18/07	0	02/18/07	0	03/18/07	0
01/19/07	0	02/19/07	0	03/19/07	0
01/20/07	0	02/20/07	0	03/20/07	0
01/21/07	0	02/21/07	0	03/21/07	0
01/22/07	0	02/22/07	0	03/22/07	0
01/23/07	0	02/23/07	0	03/23/07	0
01/24/07	0	02/24/07	0	03/24/07	0
01/25/07	0	02/25/07	0	03/25/07	0
01/26/07	0	02/26/07	0	03/26/07	0
01/27/07	0	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-13. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 12
ALERT LEVEL: 1,725 GPD ALERT LEVEL 2: 54,939 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	05/01/07	0	06/01/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	0
04/05/07	0	05/05/07	0	06/05/07	0
04/06/07	0	05/06/07	0	06/06/07	0
04/07/07	0	05/07/07	0	06/07/07	0
04/08/07	0	05/08/07	0	06/08/07	0
04/09/07	0	05/09/07	0	06/09/07	0
04/10/07	0	05/10/07	0	06/10/07	0
04/11/07	0	05/11/07	0	06/11/07	0
04/12/07	0	05/12/07	0	06/12/07	0
04/13/07	0	05/13/07	0	06/13/07	0
04/14/07	0	05/14/07	0	06/14/07	0
04/15/07	0	05/15/07	0	06/15/07	0
04/16/07	0	05/16/07	0	06/16/07	0
04/17/07	0	05/17/07	0	06/17/07	0
04/18/07	0	05/18/07	0	06/18/07	0
04/19/07	0	05/19/07	0	06/19/07	0
04/20/07	0	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	0	06/21/07	0
04/22/07	0	05/22/07	0	06/22/07	0
04/23/07	0	05/23/07	0	06/23/07	0
04/24/07	0	05/24/07	0	06/24/07	0
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	0	06/26/07	0
04/27/07	0	05/27/07	0	06/27/07	0
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	0
04/30/07	0	05/30/07	0	06/30/07	0
		05/31/07	0		

TABLE 2D-13. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 12
ALERT LEVEL: 1,725 GPD ALERT LEVEL 2: 54,939 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	0	09/08/07	0
07/09/07	0	08/09/07	0	09/09/07	0
07/10/07	0	08/10/07	0	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		
Total Gallons Pumped 2007					**0**

TABLE 2D-14. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 13
ALERT LEVEL: 3,134 GPD ALERT LEVEL 2: 99,825 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	0	02/01/07	0	03/01/07	0
01/02/07	0	02/02/07	0	03/02/07	0
01/03/07	0	02/03/07	0	03/03/07	0
01/04/07	0	02/04/07	0	03/04/07	0
01/05/07	0	02/05/07	0	03/05/07	0
01/06/07	0	02/06/07	0	03/06/07	0
01/07/07	0	02/07/07	0	03/07/07	0
01/08/07	0	02/08/07	0	03/08/07	0
01/09/07	0	02/09/07	0	03/09/07	0
01/10/07	0	02/10/07	0	03/10/07	0
01/11/07	0	02/11/07	0	03/11/07	0
01/12/07	0	02/12/07	0	03/12/07	0
01/13/07	0	02/13/07	0	03/13/07	0
01/14/07	0	02/14/07	0	03/14/07	0
01/15/07	0	02/15/07	0	03/15/07	0
01/16/07	0	02/16/07	0	03/16/07	0
01/17/07	0	02/17/07	0	03/17/07	0
01/18/07	0	02/18/07	0	03/18/07	0
01/19/07	0	02/19/07	0	03/19/07	0
01/20/07	0	02/20/07	0	03/20/07	0
01/21/07	0	02/21/07	0	03/21/07	0
01/22/07	0	02/22/07	0	03/22/07	0
01/23/07	0	02/23/07	0	03/23/07	0
01/24/07	0	02/24/07	0	03/24/07	0
01/25/07	0	02/25/07	0	03/25/07	0
01/26/07	0	02/26/07	0	03/26/07	0
01/27/07	0	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-14. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 13 ALERT LEVEL: 3,134 GPD ALERT LEVEL 2: 99,825 GPD					
METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	05/01/07	0	06/01/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	0
04/05/07	0	05/05/07	0	06/05/07	0
04/06/07	0	05/06/07	0	06/06/07	0
04/07/07	0	05/07/07	0	06/07/07	0
04/08/07	0	05/08/07	0	06/08/07	0
04/09/07	0	05/09/07	0	06/09/07	0
04/10/07	0	05/10/07	0	06/10/07	0
04/11/07	0	05/11/07	0	06/11/07	0
04/12/07	0	05/12/07	0	06/12/07	0
04/13/07	0	05/13/07	0	06/13/07	0
04/14/07	0	05/14/07	0	06/14/07	0
04/15/07	0	05/15/07	0	06/15/07	0
04/16/07	0	05/16/07	0	06/16/07	0
04/17/07	0	05/17/07	0	06/17/07	0
04/18/07	0	05/18/07	0	06/18/07	0
04/19/07	0	05/19/07	0	06/19/07	0
04/20/07	0	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	0	06/21/07	0
04/22/07	0	05/22/07	0	06/22/07	0
04/23/07	0	05/23/07	0	06/23/07	0
04/24/07	0	05/24/07	0	06/24/07	0
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	0	06/26/07	0
04/27/07	0	05/27/07	0	06/27/07	0
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	0
04/30/07	0	05/30/07	0	06/30/07	0
		05/31/07	0		

TABLE 2D-14. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE NORTH COLLECTION SUMP ZONE 13 ALERT LEVEL: 3,134 GPD ALERT LEVEL 2: 99,825 GPD					
METER READ DATE	**GALLONS PUMPED**	**METER READ DATE**	**GALLONS PUMPED**	**METER READ DATE**	**GALLONS PUMPED**
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	0	09/08/07	0
07/09/07	0	08/09/07	0	09/09/07	0
07/10/07	0	08/10/07	0	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		
Total Gallons Pumped 2007					**0**

TABLE 2D-15. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 14
ALERT LEVEL: 3,366 GPD ALERT LEVEL 2: 107,194 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
01/01/07	0	02/01/07	0	03/01/07	0
01/02/07	0	02/02/07	0	03/02/07	0
01/03/07	0	02/03/07	0	03/03/07	0
01/04/07	0	02/04/07	0	03/04/07	0
01/05/07	0	02/05/07	0	03/05/07	0
01/06/07	0	02/06/07	0	03/06/07	0
01/07/07	0	02/07/07	0	03/07/07	0
01/08/07	0	02/08/07	0	03/08/07	0
01/09/07	0	02/09/07	0	03/09/07	0
01/10/07	0	02/10/07	0	03/10/07	0
01/11/07	0	02/11/07	0	03/11/07	0
01/12/07	0	02/12/07	0	03/12/07	0
01/13/07	0	02/13/07	0	03/13/07	0
01/14/07	0	02/14/07	0	03/14/07	0
01/15/07	0	02/15/07	0	03/15/07	0
01/16/07	0	02/16/07	0	03/16/07	0
01/17/07	0	02/17/07	0	03/17/07	0
01/18/07	0	02/18/07	0	03/18/07	0
01/19/07	0	02/19/07	0	03/19/07	0
01/20/07	0	02/20/07	0	03/20/07	0
01/21/07	0	02/21/07	0	03/21/07	0
01/22/07	0	02/22/07	0	03/22/07	0
01/23/07	0	02/23/07	0	03/23/07	0
01/24/07	0	02/24/07	0	03/24/07	0
01/25/07	0	02/25/07	0	03/25/07	0
01/26/07	0	02/26/07	0	03/26/07	0
01/27/07	0	02/27/07	0	03/27/07	0
01/28/07	0	02/28/07	0	03/28/07	0
01/29/07	0			03/29/07	0
01/30/07	0			03/30/07	0
01/31/07	0			03/31/07	0

TABLE 2D-15. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 14
ALERT LEVEL: 3,366 GPD ALERT LEVEL 2: 107,194 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
04/01/07	0	05/01/07	0	06/01/07	0
04/02/07	0	05/02/07	0	06/02/07	0
04/03/07	0	05/03/07	0	06/03/07	0
04/04/07	0	05/04/07	0	06/04/07	0
04/05/07	0	05/05/07	0	06/05/07	0
04/06/07	0	05/06/07	0	06/06/07	0
04/07/07	0	05/07/07	0	06/07/07	0
04/08/07	0	05/08/07	0	06/08/07	0
04/09/07	0	05/09/07	0	06/09/07	0
04/10/07	0	05/10/07	0	06/10/07	0
04/11/07	0	05/11/07	0	06/11/07	0
04/12/07	0	05/12/07	0	06/12/07	0
04/13/07	0	05/13/07	0	06/13/07	0
04/14/07	0	05/14/07	0	06/14/07	0
04/15/07	0	05/15/07	0	06/15/07	0
04/16/07	0	05/16/07	0	06/16/07	0
04/17/07	0	05/17/07	0	06/17/07	0
04/18/07	0	05/18/07	0	06/18/07	0
04/19/07	0	05/19/07	0	06/19/07	0
04/20/07	0	05/20/07	0	06/20/07	0
04/21/07	0	05/21/07	0	06/21/07	0
04/22/07	0	05/22/07	0	06/22/07	0
04/23/07	0	05/23/07	0	06/23/07	0
04/24/07	0	05/24/07	0	06/24/07	0
04/25/07	0	05/25/07	0	06/25/07	0
04/26/07	0	05/26/07	0	06/26/07	0
04/27/07	0	05/27/07	0	06/27/07	0
04/28/07	0	05/28/07	0	06/28/07	0
04/29/07	0	05/29/07	0	06/29/07	0
04/30/07	0	05/30/07	0	06/30/07	0
		05/31/07	0		

TABLE 2D-15. 45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE SUMMARY TABLE

45 ACRE WATER STORAGE RESERVOIR LINER LEAKAGE
NORTH COLLECTION SUMP ZONE 14
ALERT LEVEL: 3,366 GPD ALERT LEVEL 2: 107,194 GPD

METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED	METER READ DATE	GALLONS PUMPED
07/01/07	0	08/01/07	0	09/01/07	0
07/02/07	0	08/02/07	0	09/02/07	0
07/03/07	0	08/03/07	0	09/03/07	0
07/04/07	0	08/04/07	0	09/04/07	0
07/05/07	0	08/05/07	0	09/05/07	0
07/06/07	0	08/06/07	0	09/06/07	0
07/07/07	0	08/07/07	0	09/07/07	0
07/08/07	0	08/08/07	0	09/08/07	0
07/09/07	0	08/09/07	0	09/09/07	0
07/10/07	0	08/10/07	0	09/10/07	0
07/11/07	0	08/11/07	0	09/11/07	0
07/12/07	0	08/12/07	0	09/12/07	0
07/13/07	0	08/13/07	0	09/13/07	0
07/14/07	0	08/14/07	0	09/14/07	0
07/15/07	0	08/15/07	0	09/15/07	0
07/16/07	0	08/16/07	0	09/16/07	0
07/17/07	0	08/17/07	0	09/17/07	0
07/18/07	0	08/18/07	0	09/18/07	0
07/19/07	0	08/19/07	0	09/19/07	0
07/20/07	0	08/20/07	0	09/20/07	0
07/21/07	0	08/21/07	0	09/21/07	0
07/22/07	0	08/22/07	0	09/22/07	0
07/23/07	0	08/23/07	0	09/23/07	0
07/24/07	0	08/24/07	0	09/24/07	0
07/25/07	0	08/25/07	0	09/25/07	0
07/26/07	0	08/26/07	0	09/26/07	0
07/27/07	0	08/27/07	0	09/27/07	0
07/28/07	0	08/28/07	0	09/28/07	0
07/29/07	0	08/29/07	0	09/29/07	0
07/30/07	0	08/30/07	0	09/30/07	0
07/31/07	0	08/31/07	0		
Total Gallons Pumped 2007					**0**

2. IMPOUNDMENT MONITORING

E. SUMMARY TABLES OF ALL BASIN, IMPOUNDMENT, AND RESERVOIR DATA WHICH ALLOWS DATA TO BE READILY COMPARED TO LEAKAGE AND DISCHARGE QUALITY ALERT LEVELS AND PREVIOUS DATA

TABLE 2E-1. SUMMARY OF FLOW, LEAKAGE, AND WATER QUALITY DATA - EVAPORATION PONDS

PARAMETER	UNITS	Alert Level	AWQS	2007	
Location				EP 1	EP 2
Flow 2007	gallons			841,506,949	
Average Flow 2007	gpd			2,305,498	
Leakage 2007	gallons			27,225	None observed
Leakage 2007	gpd	50,000 (EP1)/ 44,000 (EP2)		75	None observed
WATER QUALITY					
Sample Date				**2/13/07**	**2/13/07**
Field pH	SU	4-11	NE	NA	NA
Field Temperature	°C	NE	NE	NA	NA
Field Conductivity	umhos/cm	NE	NE	NA	NA
Antimony (dissolved)	mg/L	NE	0.006		
Arsenic (dissolved)	mg/L	NE	0.05		
Beryllium (dissolved)	mg/L	NE	0.004		
Boron (dissolved)	mg/L	NE	NE	38	81
Cadmium (dissolved)	mg/L	NE	0.005		
Chromium (dissolved)	mg/L	NE	0.1		
Total Alkalinity (as CaCO3)	mg/L	NE	NE	320	800
Chloride	mg/L	NE	NE	38,000	76,000
Fluoride	mg/L	NE	4	24 J	42 J
Fluoride	mg/L	NE	4	<50	<100
pH	SU	4-11	NE	9.2	8.4
Potassium (dissolved)	mg/L	NE	NE	2400	4700
Lead (dissolved)	mg/L	NE	0.05		
Nickel (dissolved)	mg/L	NE	0.1		
Nitrate/Nitrite (as Nitrogen)	mg/L	NE	10	570	720
Selenium (dissolved)	mg/L	NE	0.05		
Sulfate	mg/L	NE	NE	20,000 J	15,000
Thallium (dissolved)	mg/L	NE	0.002		
Total Dissolved Solids	mg/L	NE	NE	110,000	180,000
Total Trihalomethanes	mg/L	NE	0.1		
Calcium (dissolved)	mg/L	NE	NE		
Magnesium (dissolved)	mg/L	NE	NE		
Sodium (dissolved)	mg/L	NE	NE		
Cation Anion Balance		NE	NE		
Radionuclides	pCi/L	Various	Various	See Table 2B-6	See Table 2B-8

J = Method blank (MB) contamination. Associated MB contains the target analyte at a reportable level
°C = Degrees Celsius
< = Less than the indicated reporting limit.
AWQS = Aquifer Water Quality Standard
EP1 = Evaporation Pond #1
EP2 = Evaporation Pond #2
mg/L = milligrams per liter
gpd - gallons per day
NA = Not applicable
ND = Not Detected
NE = Not established
pCi/L = picoCuries per Liter
SU = Standard Unit
umhos/cm = micromhos per centimeter
CO3 = Carbonate Alkalinity

TABLE 2E-2. SUMMARY OF FLOW, LEAKAGE, AND WATER QUALITY DATA - RETENTION BASINS

PARAMETER	UNITS	ALERT LEVEL	AWQS	2007	
Flow 2007	gallons			50,357,014	
Average Flow 2007	gpd			137,964	
Leakage 2007	gallons			None observed	
Leakage 2007	gpd	242		None observed	
WATER QUALITY					
Location				**EAST RETENTION BASIN**	**WEST RETENTION BASIN**
Sample Date				**02/13/07**	**2/13/07**
Specific Conductance	umhos/cm	NA	NE	12,000	13,000
Arsenic	mg/L	NA	0.05	<0.005	0.0054
Barium	mg/L	NA	2	0.01	0.0052
Boron	mg/L	2.37	NE	0.66	0.3
Cadmium	mg/L	NA	0.005	<0.001	<0.001
Chromium	mg/L	NA	0.1	0.0048	0.0036
Chloride	mg/L	NA	NE	270	240
Fluoride	mg/L	7.95	4	<10	<10
Fluoride	mg/L	7.95	4	0.33 J	0.23 J
Nitrate-Nitrite	mg/L	NA	10	3.4	1.3
Potassium	mg/L	11.68	NE	18	7.0
Selenium	mg/L	NA	0.05	0.013	0.023
Sulfate	mg/L	NA	NE	6,700	6,900
Thallium	mg/L	NA	0.002	<0.001	<0.001
bis(2-Ethylhexyl) phthalate	mg/L	NA	0.006	<0.01	<0.01
Trihalomethanes (total)	mg/L	NA	0.1	0.028	0.0095
Radionuclides	pCi/L	Various	Various	See Table 2B-2	See Table 2B-4

J = Method blank (MB) contamination. Associated MB contains the target analyte at a reportable level
< = Less than the indicated reporting limit.
AWQS = Aquifer Water Quality Standard
gpd = gallons per day
mg/L = milligrams per liter
NE = Not established
pCi/L = picoCuries per Liter
umhos/cm = micromhos per centimeter

TABLE 2E-3. SUMMARY OF FLOW, LEAKAGE, AND WATER QUALITY DATA - WATER STORAGE RESERVOIR

PARAMETER	UNITS	Alert Level	AWQS	2007	
Flow 2007	gallons			21,829,022,429	
Average Flow 2007	gpd			59,805,541	
Leakage 2007	gallons			Not quantified	
Leakage 2007	gpd	NE		Not quantified	
WATER QUALITY					
Sample Date					
Field pH	SU	4-11	NE	NA	NA
Field Temperature	°C	NE	NE	NA	NA
Field Conductivity	umhos/cm	NE	NE	NA	NA
Antimony (dissolved)	mg/L	NE	0.006	NA	NA
Arsenic (dissolved)	mg/L	NE	0.05	NA	NA
Beryllium (dissolved)	mg/L	NE	0.004	NA	NA
Boron (dissolved)	mg/L	NE	NE	NA	NA
Cadmium (dissolved)	mg/L	NE	0.005	NA	NA
Chromium (dissolved)	mg/L	NE	0.1	NA	NA
Total Alkalinity (as CaCO3)	mg/L	NE	NE	NA	NA
Chloride	mg/L	NE	NE	NA	NA
Fluoride	mg/L	NE	4	NA	NA
pH	SU	<4, >11	NE	NA	NA
Potassium (dissolved)	mg/L	NE	NE	NA	NA
Lead (dissolved)	mg/L	NE	0.05	NA	NA
Nickel (dissolved)	mg/L	NE	0.1	NA	NA
Nitrate/Nitrite (as Nitrogen)	mg/L	NE	10	NA	NA
Selenium (dissolved)	mg/L	NE	0.05	NA	NA
Sulfate	mg/L	NE	NE	NA	NA
Thallium (dissolved)	mg/L	NE	0.002	NA	NA
TDS	mg/L	NE	NE	NA	NA
Total Trihalomethanes	mg/L	NE	0.1	NA	NA
Calcium (dissolved)	mg/L	NE	NE	NA	NA
Magnesium (dissolved)	mg/L	NE	NE	NA	NA
Sodium (dissolved)	mg/L	NE	NE	NA	NA
Cation Anion Balance		NE	NE	NA	NA
Radionuclides	pCi/l	Various	Various	See Table 2B-10	

°C = Degrees Celsius
< = Less than the indicated reporting limit.
AWQS = Aquifer Water Quality Standard
gpd = gallons per day
mg/L = milligrams per liter
NA = Not applicable
ND = Not Detected
NE = Not established
SU = Standard Unit
umhos/cm = micromhos per centimeter

TABLE 2E-4. BASIN, IMPOUNDMENT, AND RESERVOIR FLOW METER DATA SUMMARY

MONTH/YEAR	FLOWS TO 45 ACRE RESERVOIR (WSR) ACRE-FEET	UNITS 1, 2 AND 3 FLOWS TO THE EVAPORATION PONDS ACRE-FEET	RETENTION BASINS FLOWS TO THE EVAPORATION PONDS ACRE-FEET
January-07	5,784.60	221.70	13.41
February-07	4,993.91	200.40	9.28
March-07	6,479.74	213.62	12.83
April-07	5,440.93	219.09	10.99
May-07	5,962.82	262.74	8.00
June-07	5,156.38	166.92	11.96
July-07	6,342.88	213.00	13.81
August-07	7,881.81	279.92	16.57
September-07	7,151.20	300.07	10.74
October-07	3,922.58	177.93	15.34
November-07	3,818.34	158.05	13.81
December-07	4,055.62	169.05	17.80
2007 Total:	66,990.81	2,582.49	154.54
2007 Total (Gals):	21,829,022,429.31	841,506,948.99	50,357,013.54
2007 Total (MGals):	21,829.02	841.51	50.36

3. SLUDGE MONITORING

A. SLUDGE LANDFILL MONITORING ANALYTICAL RESULTS

TABLE 3A-1. RESULTS FOR SAMPLES COLLECTED AT SLUDGE LANDFILL

Analyte	Units	Alert Level	9/21/2007
pH	SU	<2 or >12.5	9.66
TCLP Arsenic	mg/l	5	<0.05
TCLP Barium	mg/l	100	0.84
TCLP Cadmium	mg/l	1	0.0079
TCLP Chromium	mg/l	5	<0.01
TCLP Lead	mg/l	5	<0.05
TCLP Mercury	mg/l	0.2	<0.0002
TCLP Selenium	mg/l	1	<0.05
TCLP Silver	mg/l	5	<0.005

SU = standard units
mg/L = milligrams per liter
< = less than the indicated practical quantitation limit

3. SLUDGE MONITORING

B. COOLING TOWER SLUDGE ANALYTICAL RESULTS

TABLE 3B-1. RESULTS FOR SLUDGE MONITORING SAMPLES COLLECTED AT THE COOLING TOWER

Analyte	Units	Alert Level	U2R13 CANAL	U2R13 TOWER 1	U2R13 TOWER 2	U2R13 TOWER 3	U2R13 CANAL	U2R13 TOWER 1	U2R13 TOWER 2	U2R13 TOWER 3
			4/24/2007				8/14/2007			
pH	SU	<2, >12.5	8.6	9.2	9.4	9.1	9.4	7.9	7.9	8.3
TCLP Arsenic	mg/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 UJ	<0.5	<0.5 UJ
TCLP Barium	mg/L	100	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ	<10 UJ
TCLP Cadmium	mg/L	1	<0.1	<0.1 UJ	<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1	<0.1
TCLP Chromium	mg/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
TCLP Lead	mg/L	5	<0.5	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5	<0.5 UJ	<0.5
TCLP Mercury	mg/L	0.2	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
TCLP Selenium	mg/L	1	<0.1	<0.1	<0.1	<0.1 UJ	<0.1 UJ	<0.1	<0.1	<0.1
TCLP Silver	mg/L	5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

SU = standard units
mg/L = milligrams per liter
< = less than the indicated practical quantitation limit
UJ = Method blank contamination. The associated method blank contains the target analyte at a reportable level.

3. SLUDGE MONITORING

C. SUMMARY OF ANY EXCEEDANCES OF PERMIT LIMITS FOR SLUDGE QUALITY

NO EXCEEDANCES WERE OBSERVED DURING 2007

3. SLUDGE MONITORING

D. DESCRIPTION OF ANY VIOLATIONS OF THE ARRA SPECIAL LICENSE FOR SLUDGE RADIOISOTOPE LIMITS.

NO EXCEEDANCES WERE OBSERVED DURING 2007

4. COMPLIANCE STATUS

A. VOLUME OF ALL NON-STORM WATER RELEASES TO THE UNLINED DITCHES OR SEDIMENTATION BASINS

There were no non-storm water releases to the unlined ditches or sedimentation basins in 2007.

4. COMPLIANCE STATUS

B. SOURCE AND CHARACTERIZATION OF RELEASES TO BASINS

There were no non-storm water releases to the unlined ditches or sedimentation basins in 2007.

4. COMPLIANCE STATUS

C. CONTINGENCY PLAN ACTIONS TAKEN FOR RELEASES

There were no non-storm water releases to the unlined ditches or sedimentation basins in 2007.

4. COMPLIANCE STATUS

D. VIOLATIONS OF THIS PERMIT

TABLE 4D-1. PERMIT VIOLATIONS SUMMARY

DATE OF VIOLATION	PERMIT VIOLATION	ADDITIONAL INFORMATION/COMMENTS
04/18/07	Failure to Report fluoride IAL Exceedance on PV-206B	Became aware of failure to report fluoride exceedance while preparing 1st Quarter 2007 SMRFs.

4. COMPLIANCE STATUS

E. IDENTIFICATION OF ALERT LEVELS, AQLS, AQUIFER WATER QUALITY STANDARDS, OR DISCHARGE LIMITATIONS THAT HAVE BEEN EXCEEDED DURING THE REPORTING PERIOD AND A DISCUSSION OF THE TREND IN CONCENTRATIONS COMPARED TO THE PREVIOUS REPORTING PERIODS AND ACTIONS TAKEN TO CORRECT THE EXCEEDED LEVELS.

TABLE 4E-1. PERMIT EXCEEDANCES SUMARY

LOCATION	DATE	EVENT	RESULTS	UNITS	ALERT LEVEL TYPE	ALERT LEVEL	INFORMATION / ACTIVITIES	CORRECTIVE ACTION	REPORTING
Evaporation Ponds	01/03/07	Perform Standards Exceedance EP 1 & 2 Liner Tears					During Environmental Weekly Inspection: 2 liner tears on EP 1 N. embankment; 1 liner tear on EP 2 N. embankment.	1/23/07: GSE repaired tears	5-day written notification submitted. 291-03628-HPD/HCL/FDD.
	01/23/07	Perform Stnds Exceedance EP 1 & 2 Liner Tears					GSE conducted liner inspections and repairs. Evap Pond 2: 5 beads on West slope; 3 beads on North slope; 1bead on East; and 1 bead on South slope. Evap Pond 1: 2 beads on North slope.	1/23/07: GSE repaired tears	5-day written notification submitted. APS letter 291-03654-HPD/HCL/FDD.
	04/17/07	Perform Stnds Exceedance EP 1 & 2 Liner Tears					GSE conducted inspection and made repairs. 12 repairs made, 11 new and 1 previously identified.	4/17/07: GSE reparied all tears.	5-day written notification submitted. APS letter 291-03708-HPD/HCL/FDD.
	08/28/07 08/29/07	Perform Stnds Exceed EP 1&2 Liners & EP 2 N Dam Potholes					GSE inspected EP 2 liner and embankments. Discovered 47 detects; 24 North side; 13 West side; 6 South side; and 4 East side. Identified 4 pot holes on top of North embankment. Environmental field person observed small tear in EP 1 liner - SE portion at the liner soil interface.	8/28-29/07: All liner tears repaired.	5-day written notification submitted. 291-03779.
	09/06/07	Perform Stnds Exceed EP 1&2 Liners & EP 2 N Dam Potholes					Ravi Murthy, ADWR, inspected EP 2 N. embankment. 5 new potholes found.	11/13/07: All 9 potholes repaired.	5-day written notification submitted. 291-03784.
	12/12/07	Performance Standards Exceedance EPs 1 & 2 - Liner Tears					Environmental observed liner conditions that were suspected to be performance issues. Environmental and WRF confirmed 5 liner tears.	GSE performed repairs.	5-day written notification submitted. Letter 291-03832.
	12/19/07	Performance Standards Exceedance EPs 1 & 2 - Potholes					Ravi Murthy, ADWR, and WRF conducted inspection of both evap ponds. Found 18 potential PS issues	1/4/08 : Repairs completed	5-day written notification letter submitted. Letter 291-03833.
Evaporation Pond 1	03/23/07	Performance Stnds Exceedance EP 1 Liner Tear					Discovered during Environmental Inspection. North embankment, within 2 feet of top of liner. Tear between 2 and 6 inches. During significant storm event inspection	3/23/07: Repaired tear.	5-day written notification submitted. 291-03687-HPD/HCL/FDD.
Evaporation Pond 2	02/20/07	Performance Stnds Exceedance EP 2 Liner Tears					GSE discovered and repaired 12 liner tears.	2/23/07: Reparied tears.	5-day written notification submitted. 291-03667-HPD/HCl/FDD
	03/20/07	Performance Stnds Exceedance EP 2 Liner Tears					GSE conducted inspection and found and repaired 20 tears; 8 on the north embankment and 12 on the east embankment. Installed coffer dam and found and repaired under water tear indicated by LLSI testing in February.	3/20/07: Repaired all 20 tears.	5-Day written notification letter submitted. 291-03684-HPD/HCL/FDD dated 03/23/07.
	05/31/07	Performance Stnds Exceedance EP 2 Liner Tears					GSE conducted an inspection on 5/31 thru 6/4. 10 tears-SW corner; 6 tears-east slope; 7 tears-west slope; 5 tears-south slope; and 4 tears north slope.	6/4/07: Repairs copleted	5-day written notification submitted. 291-03738-HPD/HCL/FDD.
	06/12/07	Performance Stnds Exceedance EP 2 Liner Tears					GSE completed inspection. One tear was found and repaired on the South berm and one was found and repaired on the West berm.	6/11-12/07: Repaired both tears	5-day written notification submitted. 291-3740-HPD/HCL/FDD.
	09/07/07	Perform Stnds Exceed EP 2 E Embankment Erosion					M. Khatib & D. Crawford confirmed 2-3 holes that are 2' or greater in depth.	11/16.07: Gullies and holes were repaired	A 5-day written notification submitted - combine with 5-day update for potholes. 291-03784.
	12/04/07	Performance Standard Exceedance Evap Pond 2 - Potholes					Environmental observed 4 small potholes, 2 on the north embankment and 2 on the east embankment.	12/14/07: repairs made on potholes	5-day written notification letter ubmitted. Letter 291-03824.
Retention Basins	01/22/07	Retention Basin Oil Sheen Perform Stnd Exceedance					Environmental observed a sheen on the East RB during a facilities inspection.	WRF removed oil sheen.	1/23/07: 24-hour notification made to Robert Casey (telephone message) and follow-up email. 4/13/07: Oil Sheen Status Report submitted
Retention Basin - East	03/06/07	Potassium AL Exceedance in the East Retention Basin					Reviewed electronic lab report. K concentration reported as 18 mg/L. The permit Alert Level is 11.68 mg/L. Requested STL to reanalyze for K. RB's sampled 02/13/07. 3/12/07: STL revised the report electronically (narrative only) indicating that the sample was reanalyzed with results of 15 and 13 mg/l.		5-day written notification letter submitted. 291-03685-HPD/HCL/FDD dated 03/23/07.

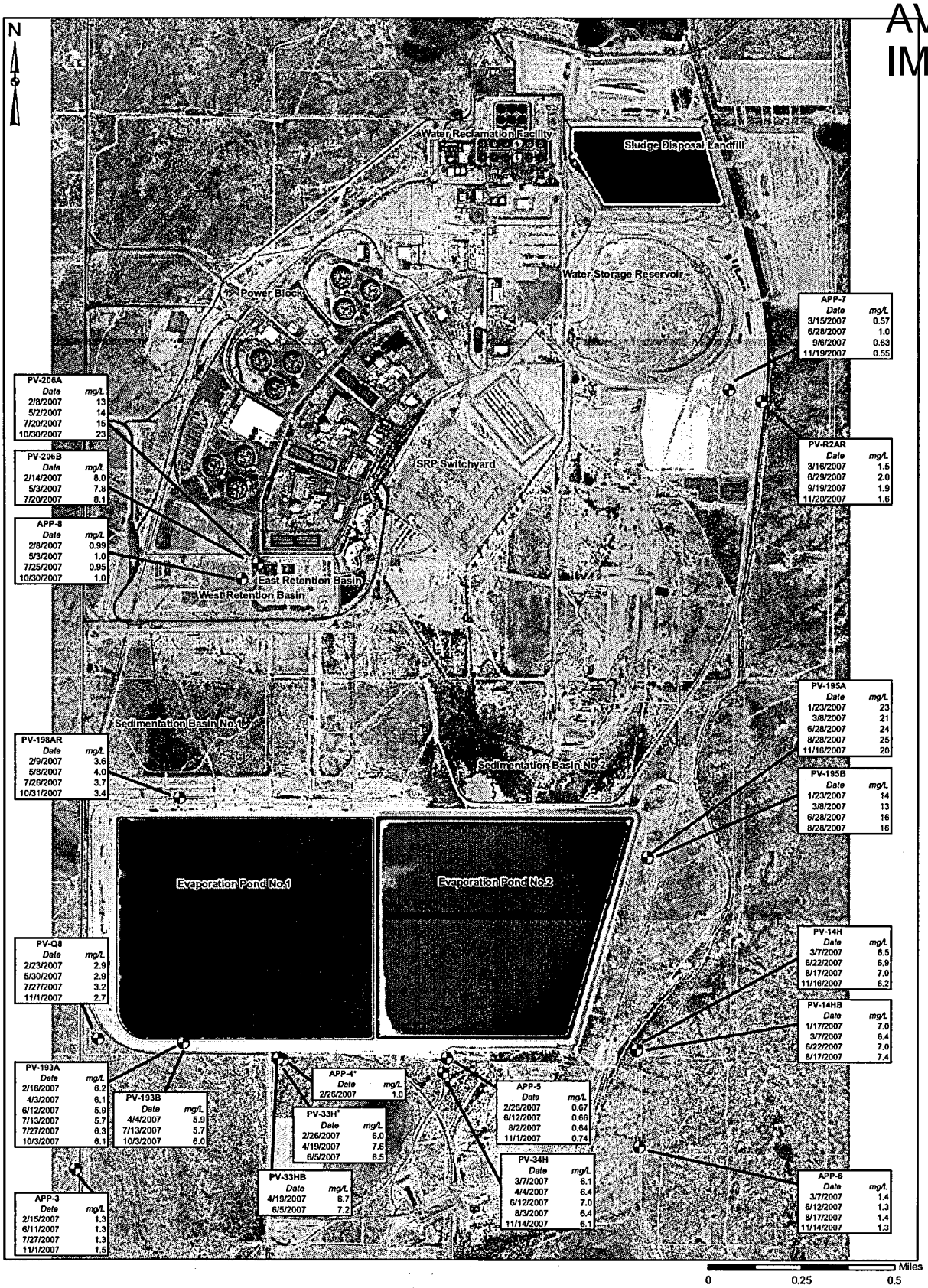
TABLE 4E-1. PERMIT EXCEEDANCES SUMARY

LOCATION	DATE	EVENT	RESULTS	UNITS	ALERT LEVEL TYPE	ALERT LEVEL	INFORMATION / ACTIVITIES	CORRECTIVE ACTION	REPORTING
Rubbish Landfill	02/20/07	Perform Stnds Exceedance Rubbish Landfill Ponding					Ponding noted by Environmental after significant storm event.	3/5/07: The active area of the rubbish landfill was reworked to ensure rain water will drain and not pond. WRF Section leader inspected and aproved completion of work.	5-day written notification submitted. 291-03668-HPD/HCL/FDD.
Sludge Landfill	02/20/07	Perform Stnds Exceedance Sludge Landfill Ponding					Ponding noted by Environmental after significant storm event.	The ponded rainwater was pumped to a flat area outside the sludge landfill and dispersed, the low areas were graded and filled to prevent ponding.	5-day written notification submitted. 291-03668-HPD/HCL/FDD,
	12/04/07	Performance Standard Exceedance Sludge Landfill Ponding					During a post storm inspection required by the APP, 2 areas of ponding water were identified on the sludge landfill. One area was located on the west side of the main sludge landfill where cooling tower sludge is disposed. The other was located on the north end of the landfill.	1/7/08: A tee connection and pump was installed for dewatering the low spot on the edge of the northeast side of active sludge landfill. 1/9/08: The low area west of the main sludge landfill was graded to prevent pooling and a drainage ditch (v-ditch) installed where the cooling tower sludge is deposited.	5-day written notification submitted. APS letter 291-03823.
APP-6	3/7/07	pH	9.41	SU	AL	<6, >9	Ambient monitoring showed pHs above the alert level. ADEQ has been notified.		APS letter 291-03454-HCL/FDD, dated March 17, 2006.
	8/17/07	pH	9.37	SU	AL	<6, >9	Ambient monitoring showed pHs above the alert level. ADEQ has been notified.		APS letter 291-03454-HCL/FDD, dated March 17, 2006.
PV-14H	3/7/07	Chloride	2300	mg/L	CAL	2256	in CAL Contingency for TDS		5-day written notification for Cl and K. APS letter 291-03702-HPD/HCL/FDD, dated April 19, 2007.
	3/7/07	Potassium, Dissolved	3.9	mg/L	CAL	3	in CAL Contingency for TDS		5-day written notification for Cl and K. APS letter 291-03702-HPD/HCL/FDD, dated April 19, 2007.
	3/7/07	Total Dissolved Solids	7300	mg/L	CAL	7005	in CAL Contingency for TDS		
	6/22/07	Chloride	2400	mg/L	CAL	2256	in CAL Contingency for K, Cl and TDS		
	6/22/07	Total Dissolved Solids	7400	mg/L	CAL	7005	in CAL Contingency for K, Cl and TDS		
	8/17/07	Chloride	2300	mg/L	CAL	2256	in CAL Contingency for K, Cl and TDS		
	8/17/07	Potassium	9.4	mg/L	CAL	3	in CAL Contingency for K, Cl and TDS		
	8/17/07	Potassium, Dissolved	7.3	mg/L	CAL	3	in CAL Contingency for K, Cl and TDS		
	8/17/07	Total Dissolved Solids	7300	mg/L	CAL	7005	in CAL Contingency for K, Cl and TDS		
PV-14HB	3/7/07	Chloride	2300	mg/L	AL	2174			5-day written notification for Cl submitted. 291-03664-HPD/HCL/FDD.
	3/7/07	Potassium, Dissolved	4.3	mg/L	IAL	2.3			5-day written notification 291-03707-HPD/HCL/FDD.
	6/22/07	Chloride	2400	mg/L	IAL	2174			
	6/22/07	Potassium, Dissolved	3.4	mg/L	IAL	2.3			
	8/17/07	Chloride	2400	mg/L	IAL	2174			
	8/17/07	Potassium, Dissolved	7.2	mg/L	IAL	2.3			
PV-193A	6/12/07	Fluoride	5.8	mg/L	IAL	3.99	Not in contingency monitoring. Exceedance due to matrix interference due to change in analytical method. 30-day report submitted 291-03778.		5-day written notification for F submitted. 291-03763-HPD/HCL/FDD. CRAI 3048924.

TABLE 4E-1. PERMIT EXCEEDANCES SUMARY

LOCATION	DATE	EVENT	RESULTS	UNITS	ALERT LEVEL TYPE	ALERT LEVEL	INFORMATION / ACTIVITIES	CORRECTIVE ACTION	REPORTING
PV-193B	4/4/07	Chloride	7200	mg/L	IAL	6178	exceeds AL		5-day written notification for Cl submitted. 291-03725-HPD/HCL/FDD.
	7/13/07	Fluoride	5.3	mg/L	IAL	4	exceeds AL. Exceedance due to matrix interference due to change in analytical method.		5-day written notification for F submitted. 291-03763-HPD/HCL/FDD.
	10/3/07	Potassium, Dissolved	7.1	mg/L	IAL	6.2	Well removed from permit before sample results received. No verification sample.		
PV-195A	3/8/07	Potassium, Dissolved	9.7	mg/L	CAL	8.5	in CAL Contingency for F and K		
	6/28/07	Potassium, Dissolved	12	mg/L	CAL	8.5	in CAL Contingency for F and K		
	8/28/07	Arsenic, Dissolved	0.075	mg/L	CAL	0.071	dissolved As exceeded but total As is below, asked for reanalysis, waiting for results, already in CAL Contingency, new permit transition		
	8/28/07	Fluoride	8.6	mg/L	CAL	5	in CAL Contingency for F and K. Exceedance due to matrix interference due to change in analytical method.		
	8/28/07	Potassium, Dissolved	38	mg/L	CAL	8.5	in CAL Contingency for F and K		
PV-195B	6/28/07	Boron, Dissolved	16	mg/L	IAL	14.6			5-day written notification submitted. 291-03770-H PD/HCl/FDD.
	8/28/07	Boron, Dissolved	16	mg/L	IAL	14.6			
	8/28/07	Fluoride	7.5	mg/L	IAL	4.1	Exceedance due to matrix interference due to change in analytical method.		5-day written notification due and submitted. 291-03791-HPD/FDD.
	8/28/07	Potassium, Dissolved	47	mg/L	IAL	25.67	Believe lab error. Requested reanalysis. Lab did not perform reanalysis. Well removed form permit.		
PV-198AR	2/9/07	Potassium, Dissolved	3	mg/L	CAL	2.14	in CAL Contingency for K		
	5/8/07	Potassium, Dissolved	3.7	mg/L	CAL	2.14	in CAL Contingency for K		
	7/26/07	Potassium, Dissolved	6.7	mg/L	CAL	2.14	in CAL Contingency for K		
PV-206A	2/8/07	Selenium, Dissolved	0.051	mg/L	CAL	0.035	CAL Contingency for Cl, K and Se		
	5/2/07	Potassium, Dissolved	18	mg/L	CAL	10.69	CAL Contingency for Cl, K and Se		
	5/2/07	Selenium, Dissolved	0.046	mg/L	CAL	0.035	CAL Contingency for Cl, K and Se		
	7/20/07	Potassium	16	mg/L	CAL	10.69	CAL Contingency for Cl, K and Se		
PV-206B	2/14/07	Boron, Dissolved	8.0	mg/L	IAL	3.68	previously identified		
	2/14/07	Fluoride	5.0	mg/L	IAL	4.1	Exceedance due to matrix interference due to change in analytical method.		Missed verification sampling and 5-day report.
	5/3/07	Boron, Dissolved	7.8	mg/L	IAL	3.68	previously identified		
	7/20/07	Boron, Dissolved	8.0	mg/L	IAL	3.68	previously identified		
	7/20/07	Fluoride	4.5	mg/L	IAL	4.1	previously identified		
PV-33H	4/19/07	Fluoride	4.4	mg/L	IAL	3.5	Not in contingency monitoring. Exceedance due to matrix interference due to change in analytical method. Well was abandoned June 11, 2007.		5-day notification & 30-day analytical report submitted for F. 291-03746-H PD/HCL/FDD.
PV-34H	3/7/07	Potassium, Dissolved	2.6	mg/L	IAL	1.72	Not in contingency monitoring. Exceedance due to water level decline into more fine-grained unit; outlined in 30-day report 291-03727.		5-day report submitted to ADEQ. 291-03710-HPD/HCL/FDD.
	8/3/07	Potassium	7.9	mg/L	CAL	2.16	in CAL Contingency for K		
	8/3/07	Potassium, Dissolved	8	mg/L	CAL	2.16	in CAL Contingency for K		

BEST AVAILABLE IMAGE



NOTE:
Samples collected before May 24, 2007 were analyzed for dissolved Boron. All other samples were analyzed for total and dissolved Boron, but only the Total Value is presented in the figure.
* APP-4 abandoned on June 13, 2007.
+PV-33H abandoned on June 11, 2007.
mg/L = milligram per Liter.

EXPLANATION

Well Locations with ID

BROWN AND CALDWELL

FIGURE 1-1
SELECTED 2007 BORON CONCENTRATIONS
PALO VERDE NUCLEAR GENERATING STATION
ARIZONA PUBLIC SERVICES

[BCTUC02]T:\APS-PVNGS\135289 - 2007 Annual Monitoring_Compliance\GIS\ARCMAPS\FIGURES 05-02-2008 jtuscher

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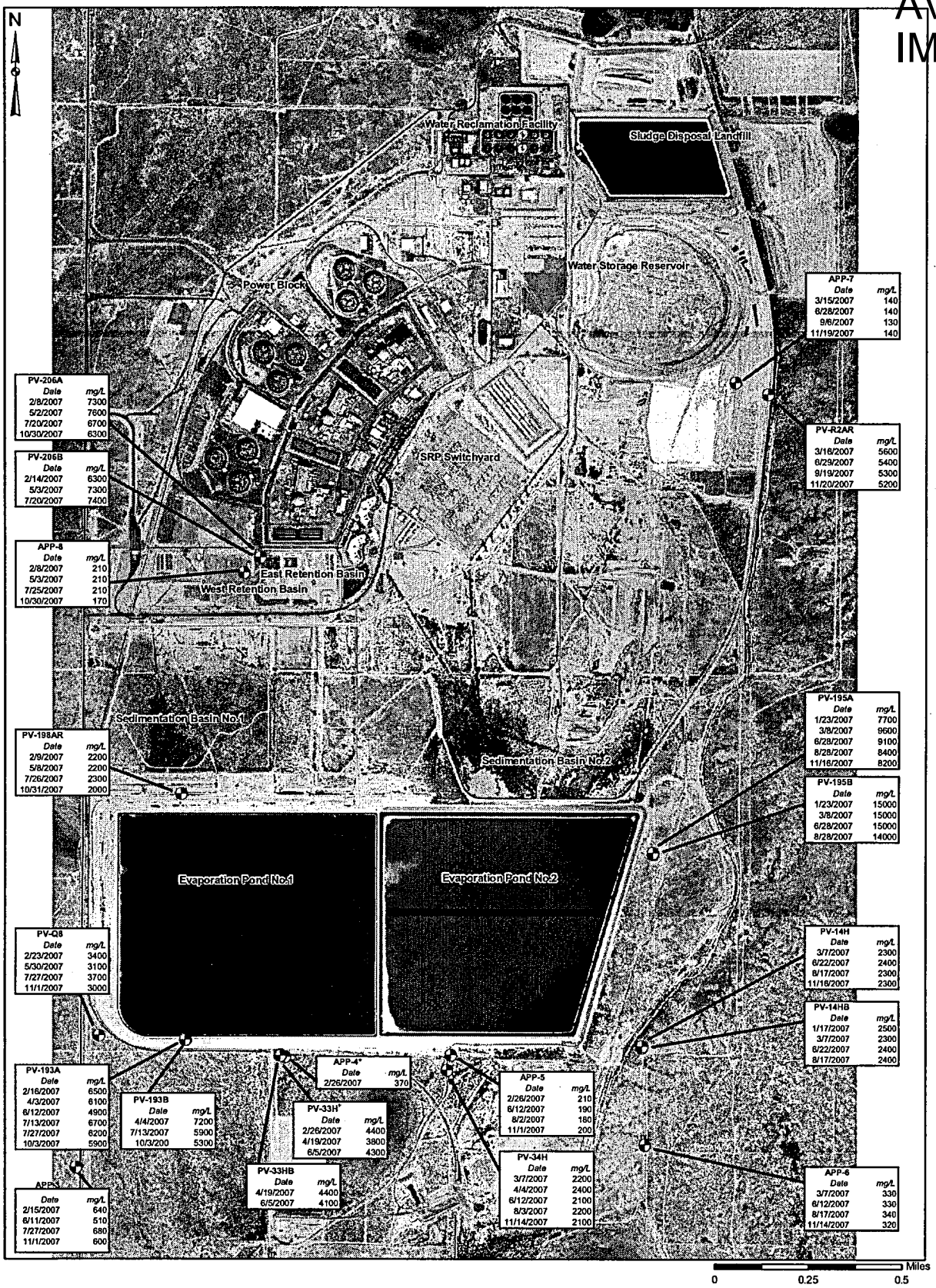

EXPLANATION

NOTE:
* APP-4 abandoned on June 13, 2007.
+PV-33H abandoned on June 11, 2007.
mg/L = milligram per Liter.

Well Locations with ID

BROWN AND CALDWELL

FIGURE 1-2
SELECTED 2007 CHLORIDE CONCENTRATIONS
PALO VERDE NUCLEAR GENERATING STATION
ARIZONA PUBLIC SERVICES

[BCTUC02]T:\APS-PVNGS\135289 - 2007 Annual Monitoring_Compliance\GIS\ARC\MAPS\FIGURES 05-02-2008 jtuscher

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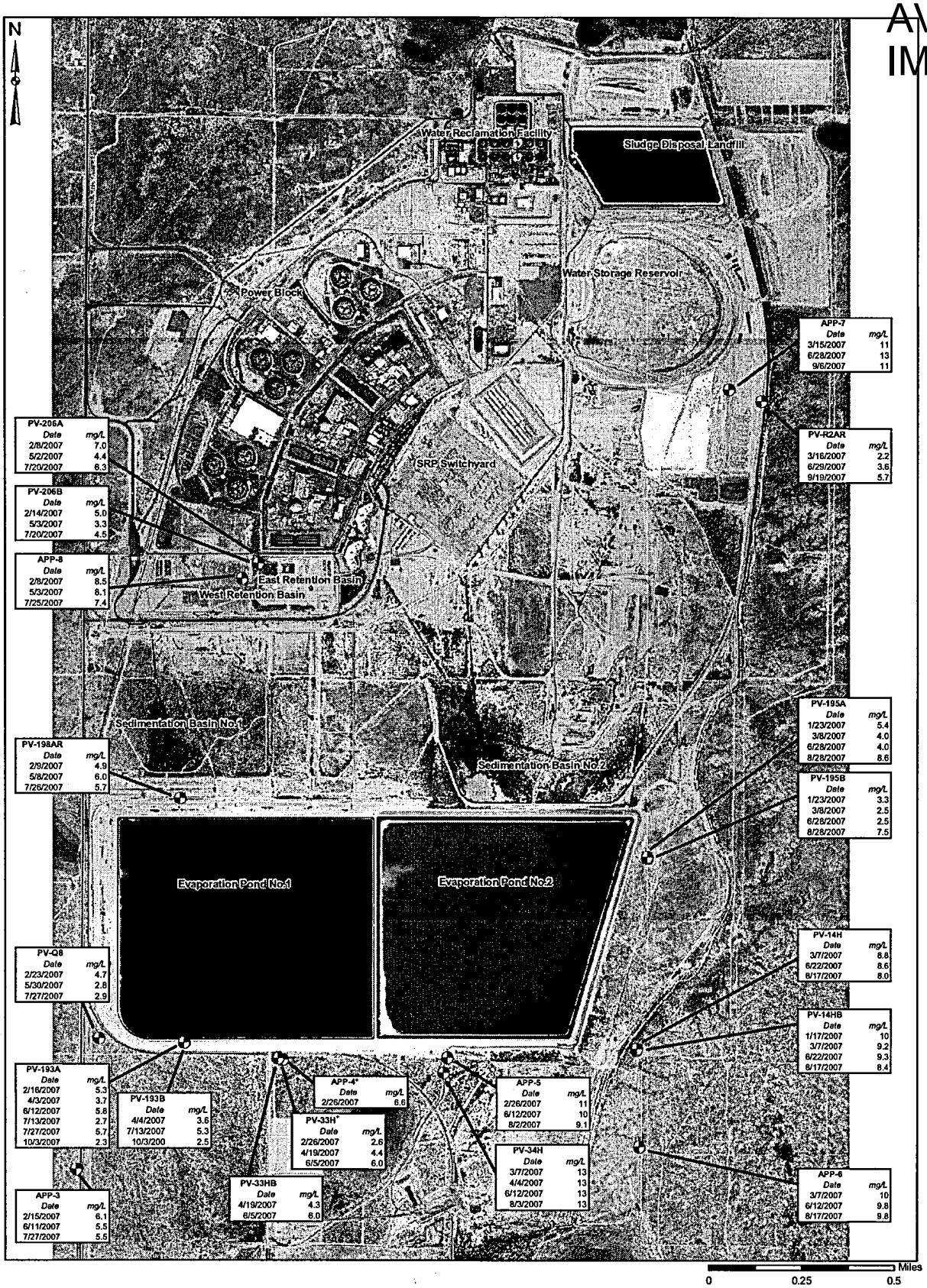

EXPLANATION

⊕ Well Locations with ID

NOTE:
* APP-4 abandoned on June 13, 2007.
+PV-33H abandoned on June 11, 2007.
mg/L = milligram per Liter.

BROWN AND CALDWELL

FIGURE 1-3
SELECTED 2007 FLUORIDE CONCENTRATIONS
PALO VERDE NUCLEAR GENERATING STATION
ARIZONA PUBLIC SERVICES

[BCTUC02]T:\APS-PVNGS\135289 - 2007 Annual Monitoring_Compliance\GIS\ARCMAPS\FIGURES 05-02-2008 jluscher

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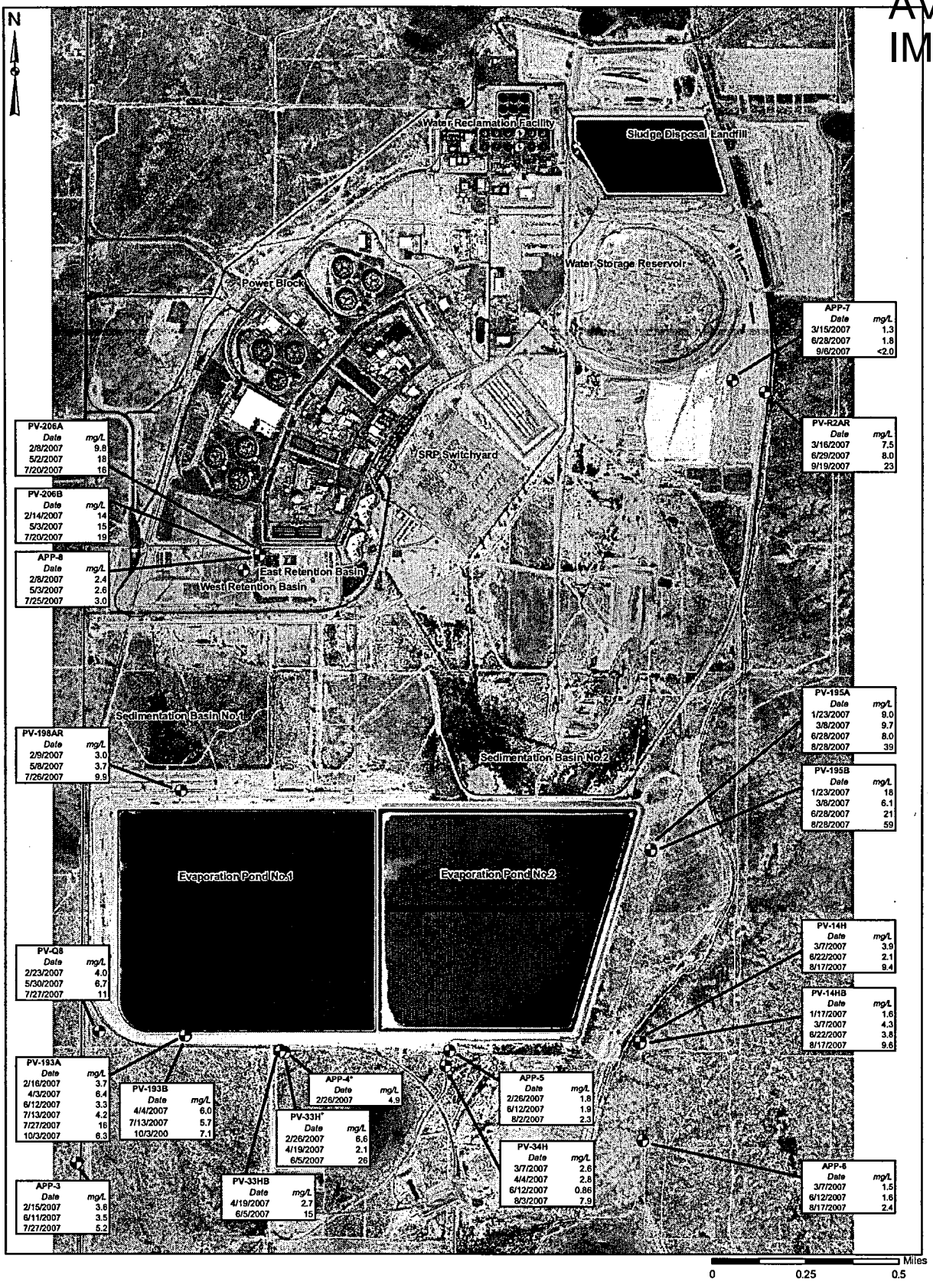

NOTE:
Samples collected before May 24, 2007 were analyzed for dissolved Potassium. All other samples were analyzed for total and dissolved Potassium, but only the Total Value is presented in the figure.
* APP-4 abandoned on June 13, 2007.
+PV-33H abandoned on June 11, 2007.
mg/L = milligram per Liter.

EXPLANATION

Well Locations with ID

BROWN AND CALDWELL

FIGURE 1-4
SELECTED 2007 POTASSIUM CONCENTRATIONS
PALO VERDE NUCLEAR GENERATING STATION
ARIZONA PUBLIC SERVICES

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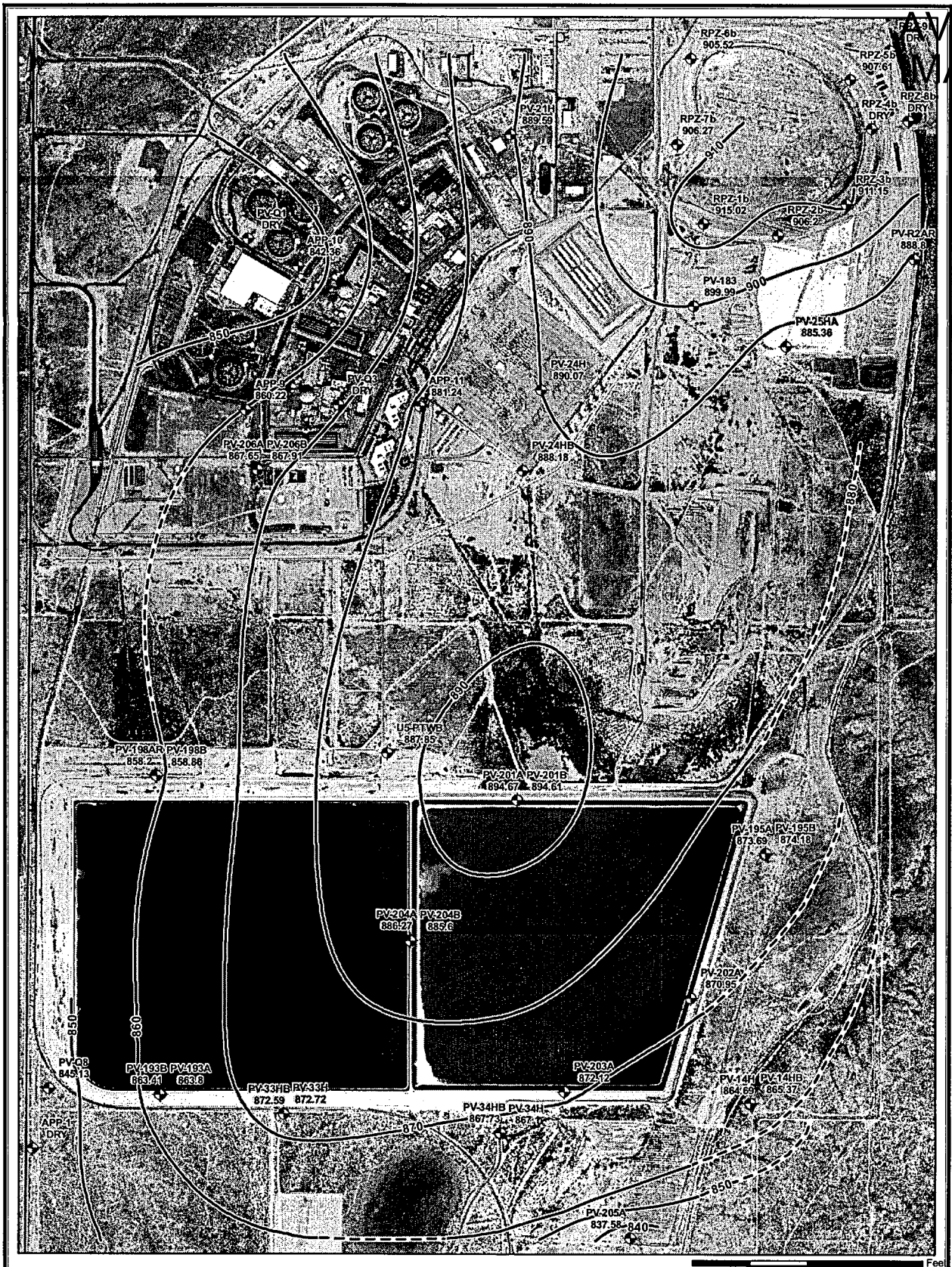

EXPLANATION

NOTE:
Contour lines generated using Surfer.
Contours are not considered representative of site conditions due to inadequate data.
Minor edits made using historical data.

- Well Locations
- Groundwater Elevation Contours
- Contours Dashed where Inferred

BROWN AND CALDWELL

FIGURE 1-5
FEBRUARY 2007
GROUNDWATER ELEVATION CONTOURS
PALO VERDE NUCLEAR GENERATING STATION
ARIZONA PUBLIC SERVICES

[BCTUC02]T:\APS-PVNGS\135289 - 2007 Annual Monitoring_Compliance\GIS\ARCMAPS\FIGURES\Fig1-5_2007-02feb-WLs.mxd

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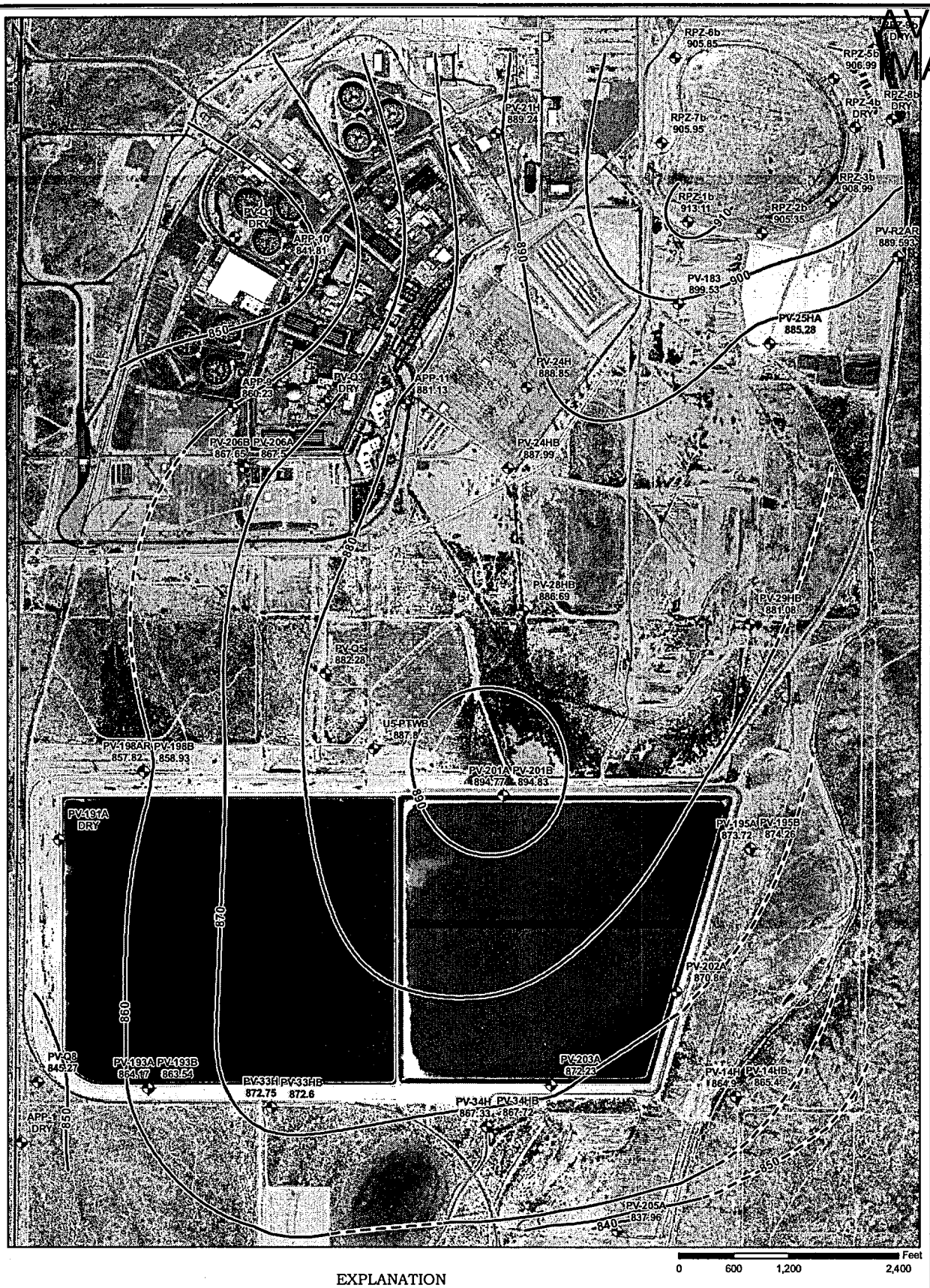
IMAGE



EXPLANATION

NOTE:
Contour lines generated using Surfer. Contours are not considered representative of site conditions due to inadequate data. Minor edits made using historical data.

Well Locations

Groundwater Elevation Contours

Contours Dashed where Inferred

BROWN AND CALDWELL

FIGURE 1-6
APRIL 2007
GROUNDWATER ELEVATION CONTOURS
PALO VERDE NUCLEAR GENERATING STATION
ARIZONA PUBLIC SERVICES

[BCTUC02]T:\APS-PVNGS\135289 - 2007 Annual Monitoring_Compliance\GIS\ARCMAPS\FIGURES\Fig1-6_2007-04apr-WLs.mxd

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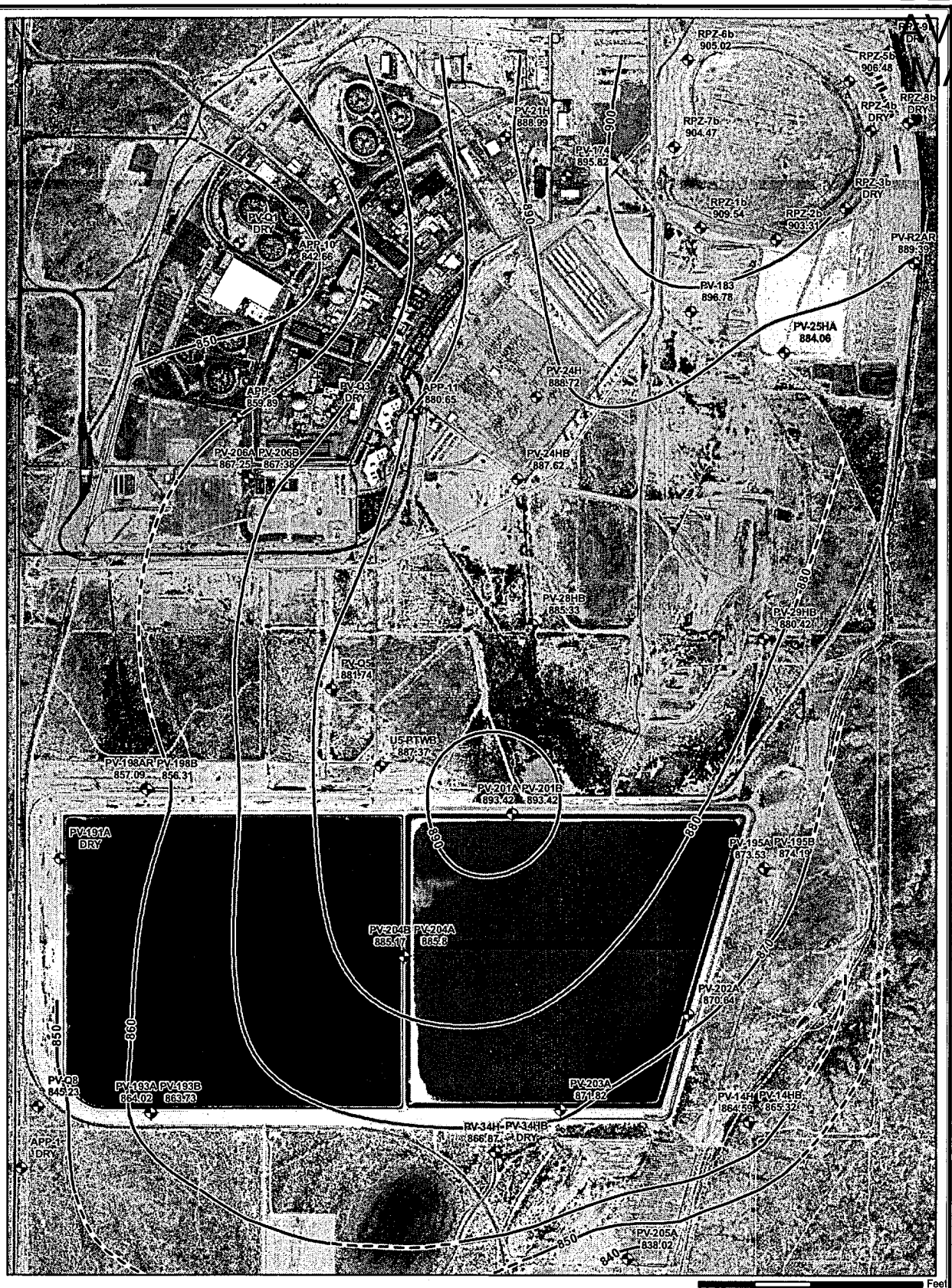

EXPLANATION

- Well Locations
- Groundwater Elevation Contours
- Contours Dashed where Inferred

NOTE:
Contour lines generated using Surfer.
Minor edits made using historical data.

BROWN AND CALDWELL

FIGURE 1-7
AUGUST 2007
GROUNDWATER ELEVATION CONTOURS
PALO VERDE NUCLEAR GENERATING STATION
ARIZONA PUBLIC SERVICES

[BCTUC02]T:\APS-PVNGS\135289 - 2007 Annual Monitoring_Compliance\GIS\ARCMAPS\FIGURES\Fig1-7_2007-08aug-WLs.mxd

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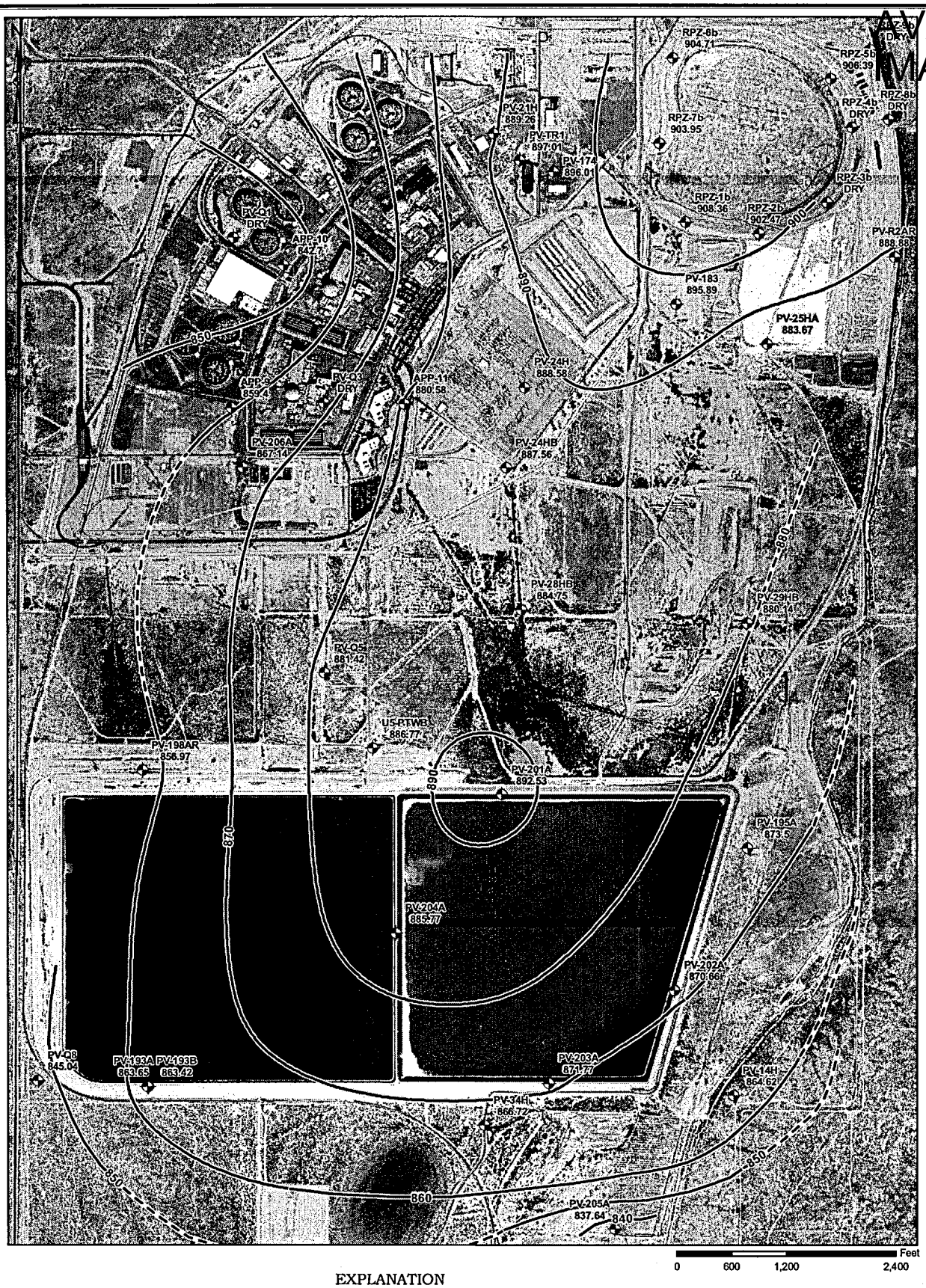

EXPLANATION

- Well Locations
- Groundwater Elevation Contours
- Contours Dashed where Inferred

NOTE:
Contour lines generated using Surfer.
Minor edits made using historical data.

BROWN AND CALDWELL

FIGURE 1-8
OCTOBER 2007
GROUNDWATER ELEVATION CONTOURS
PALO VERDE NUCLEAR GENERATING STATION
ARIZONA PUBLIC SERVICES

[BCTUC02]T:\APS-PVNGS\135289 - 2007 Annual Monitoring_Compliance\GIS\ARCMAPS\FIGURES\Fig1-8_2007-10oct-WLs.mxd

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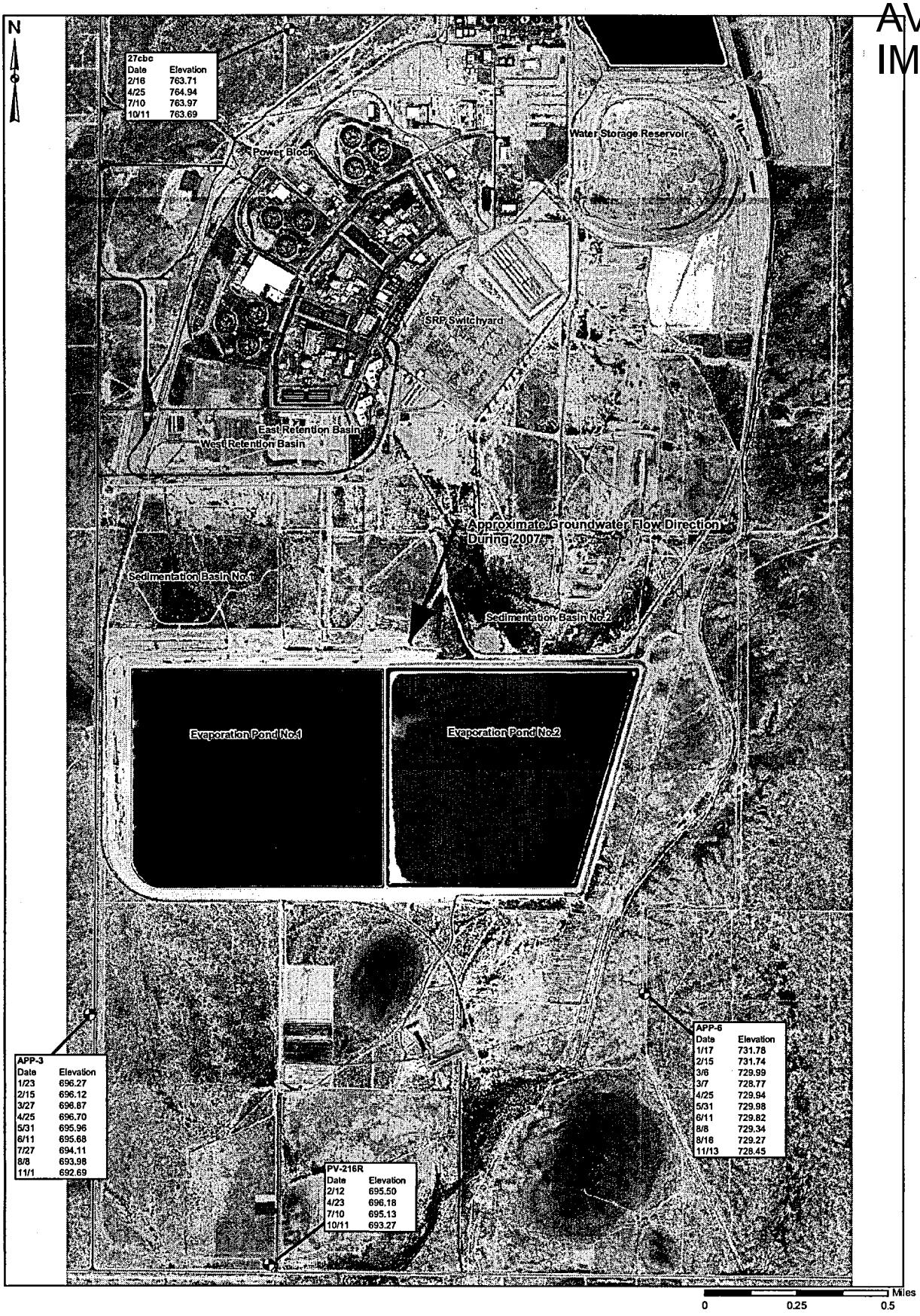
IMAGE



NOTE:
Water Level Elevations in Feet Above Mean Sea Level

EXPLANATION

Well Locations with ID

BROWN AND CALDWELL

FIGURE 1-9
REGIONAL WELLS
2007 WATER LEVEL MEASUREMENTS
PALO VERDE NUCLEAR GENERATING STATION
ARIZONA PUBLIC SERVICES

[BCTUC02]T:\APS-PVNGS\135289 - 2007 Annual Monitoring_Compliance\GIS\ARCMAPS\FIGURES\Fig1-9_2007-Regional-WLs.mxd

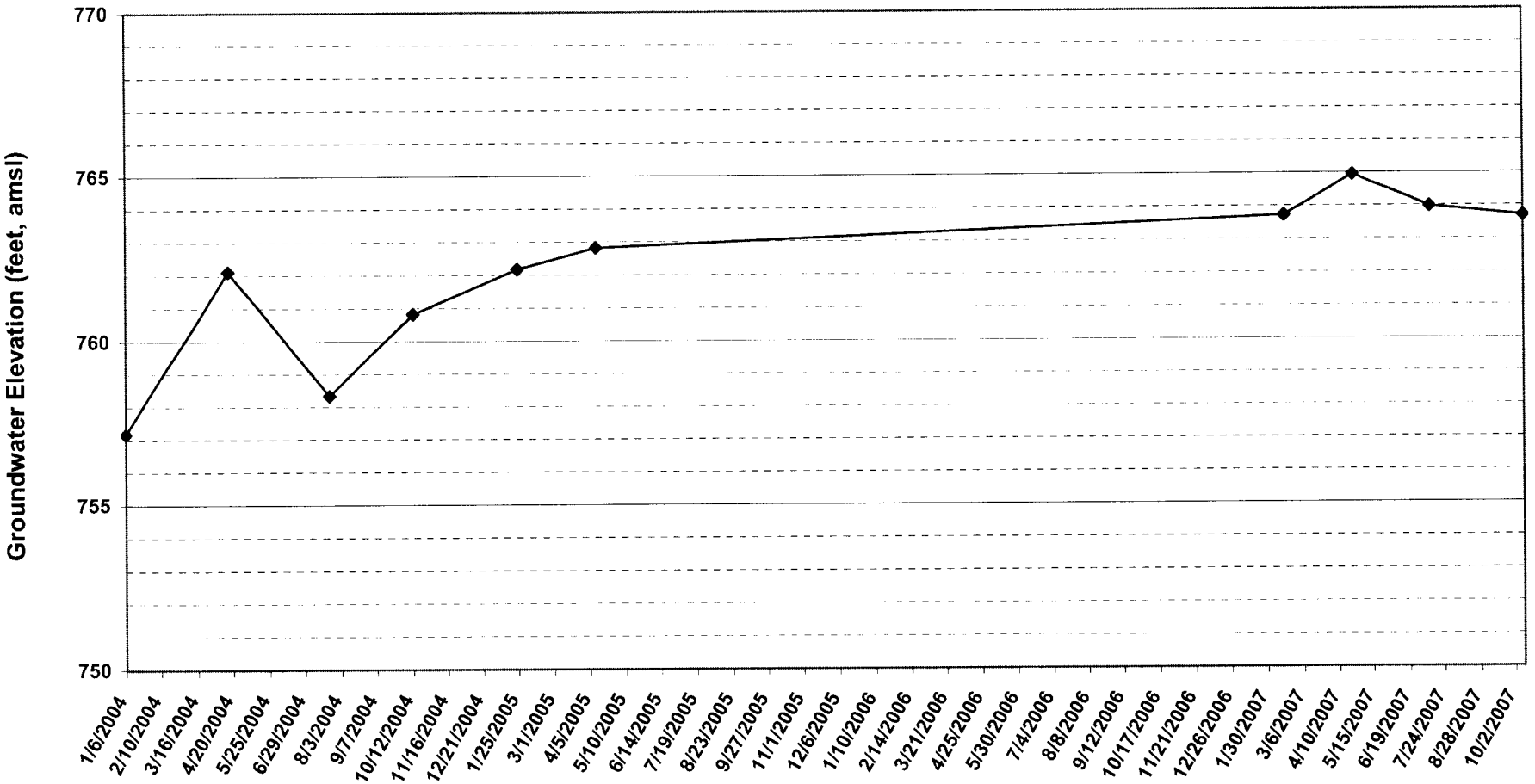


FIGURE 1-10
27cbc Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

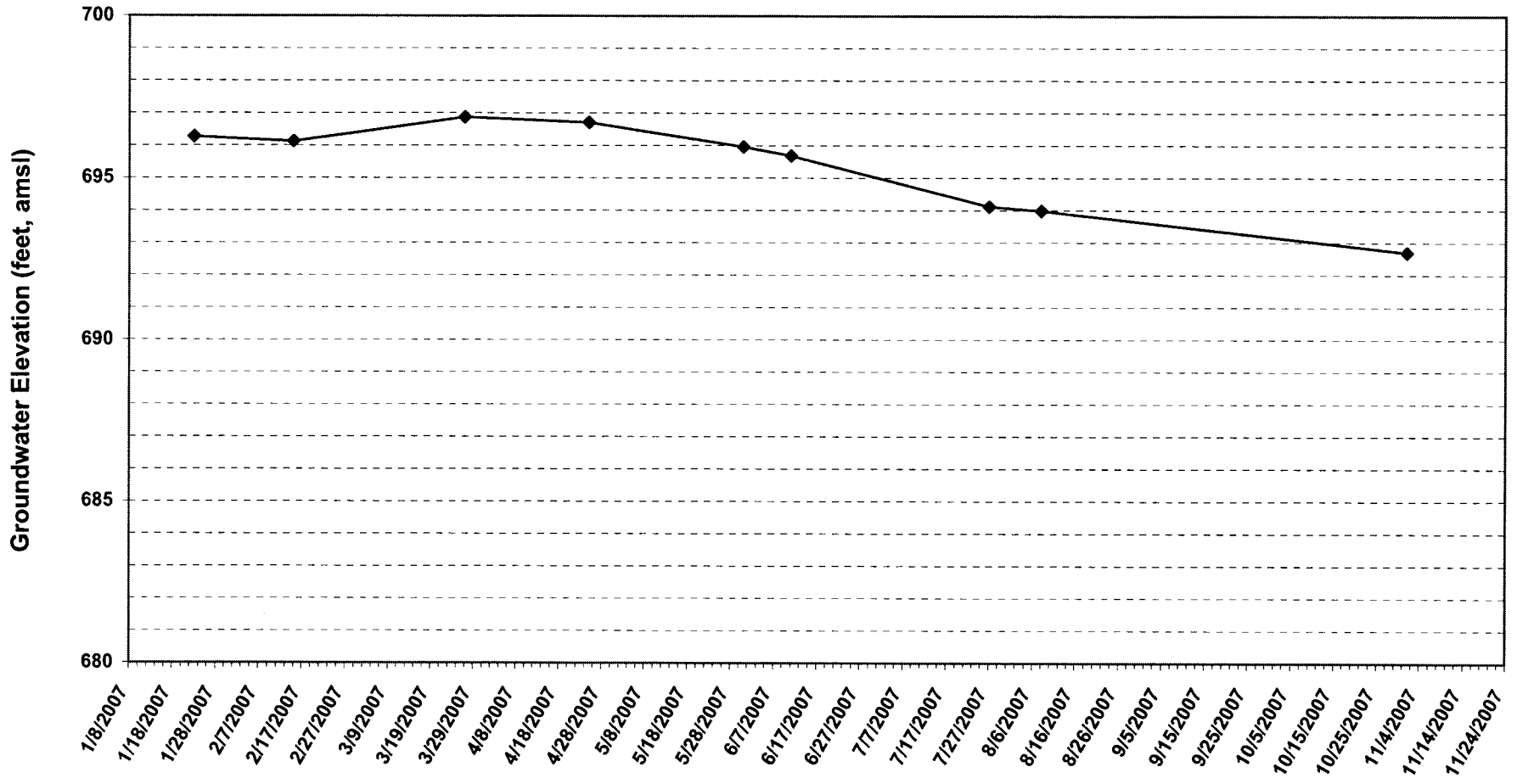


FIGURE 1-11
APP-3 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

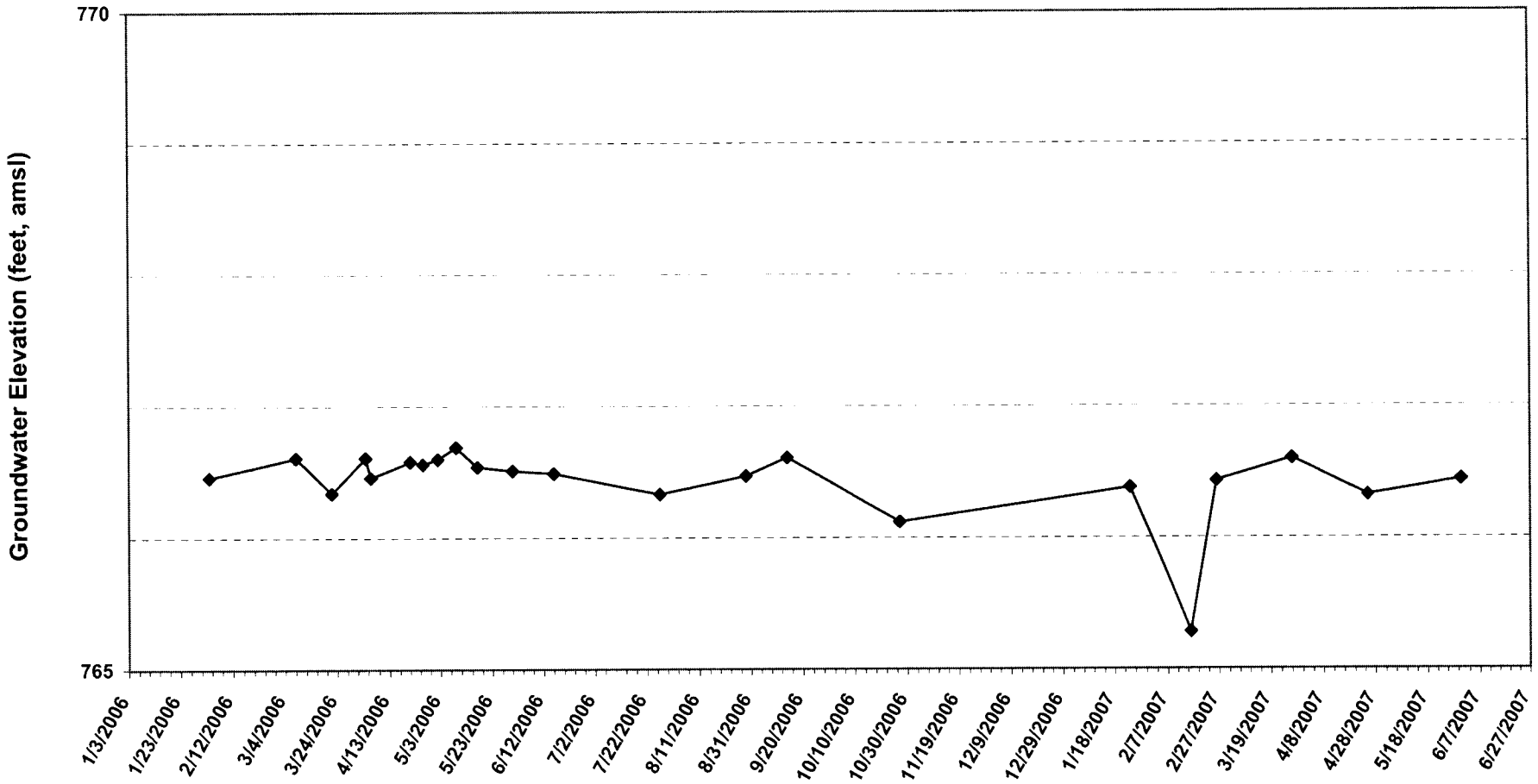


FIGURE 1-12
APP-4 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

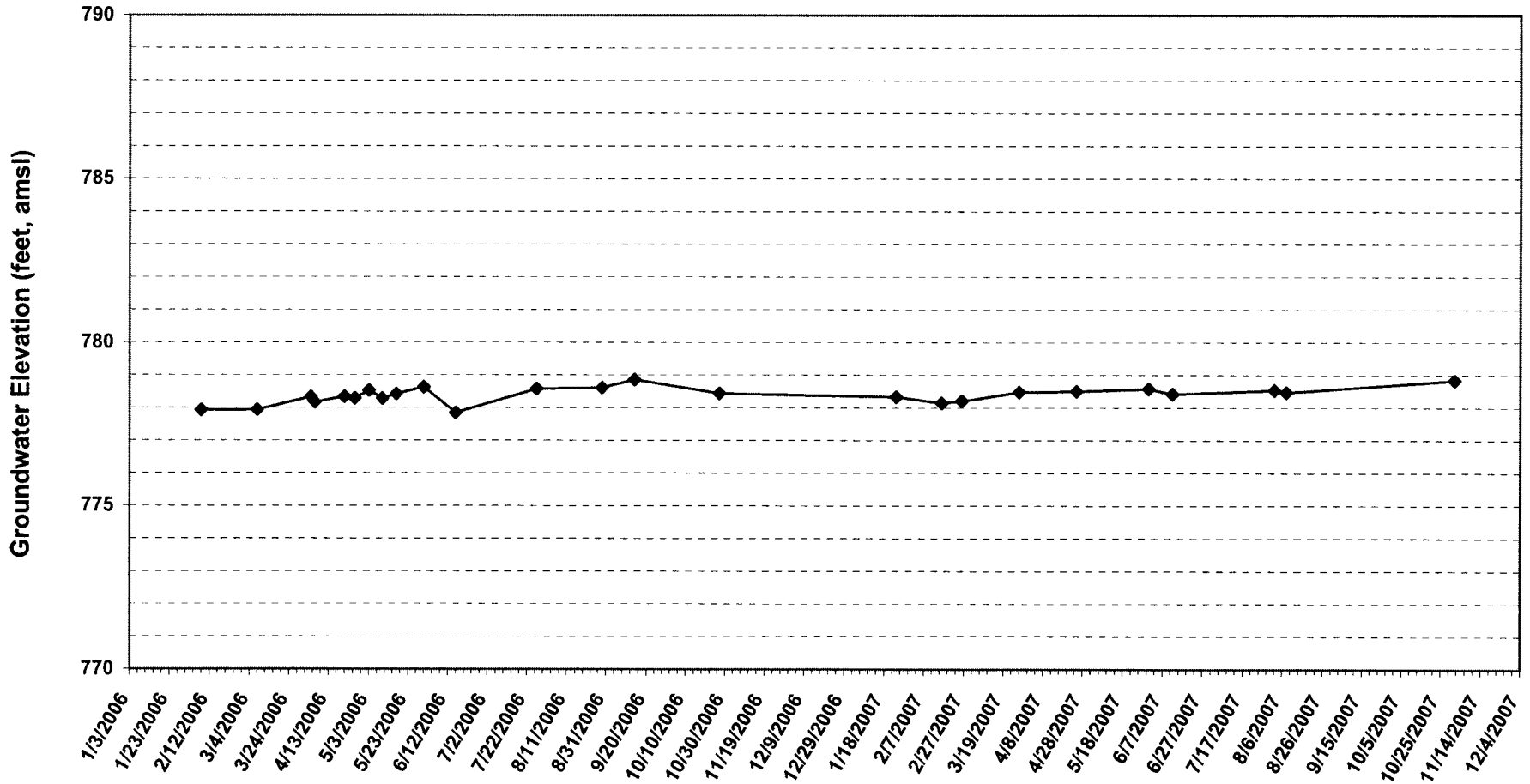


FIGURE 1-13
APP-5 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

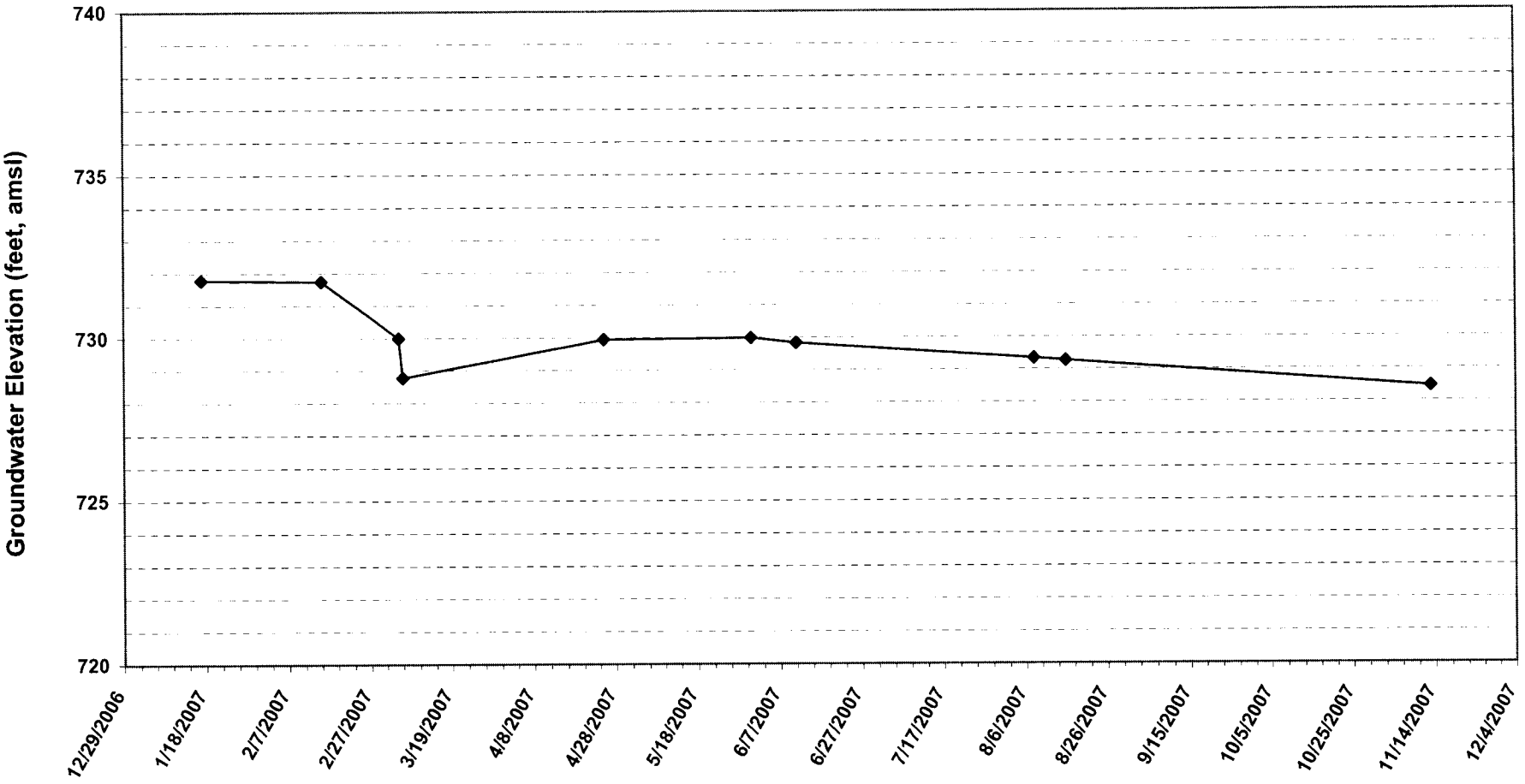


FIGURE 1-14
APP-6 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

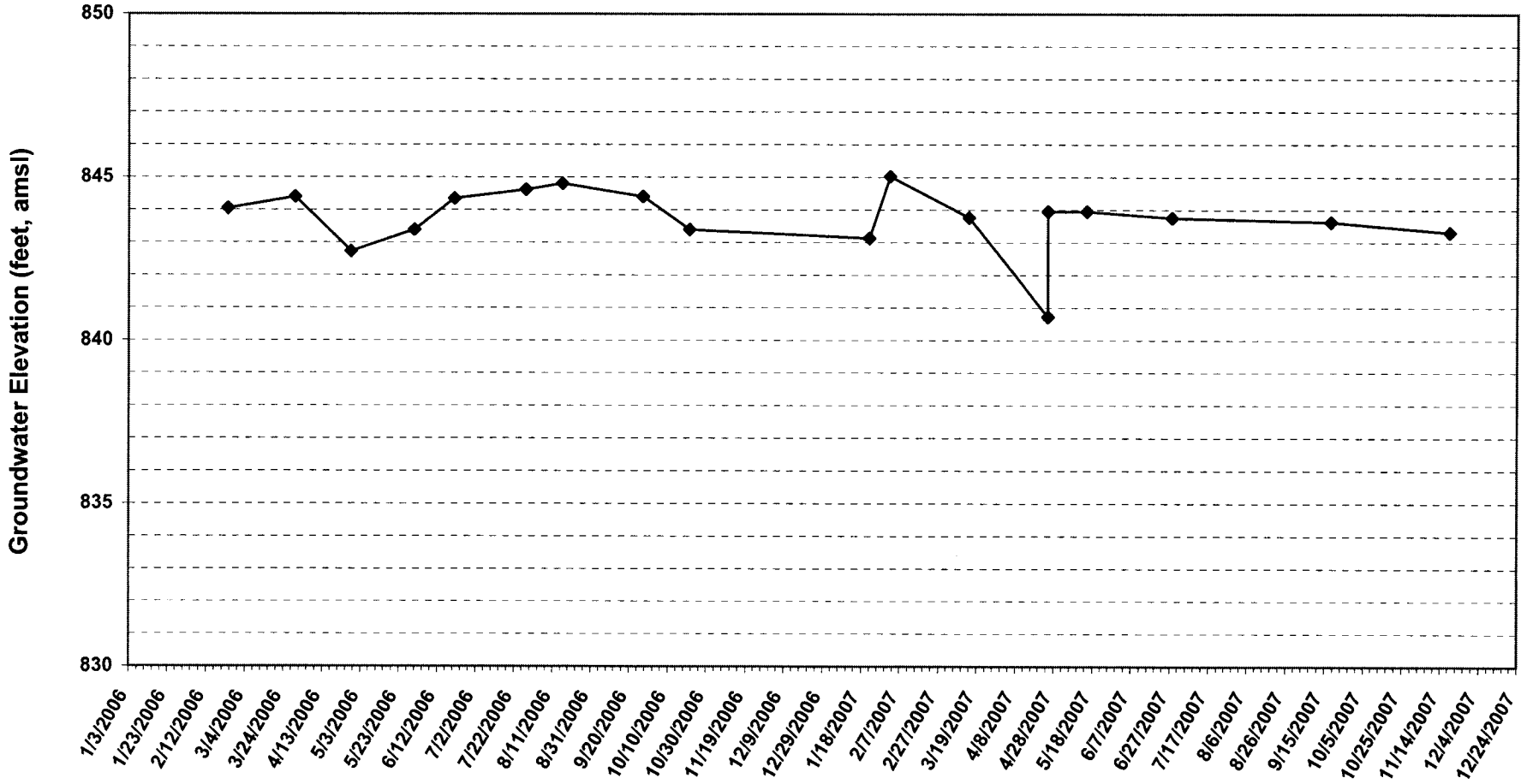


FIGURE 1-15
APP-7 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

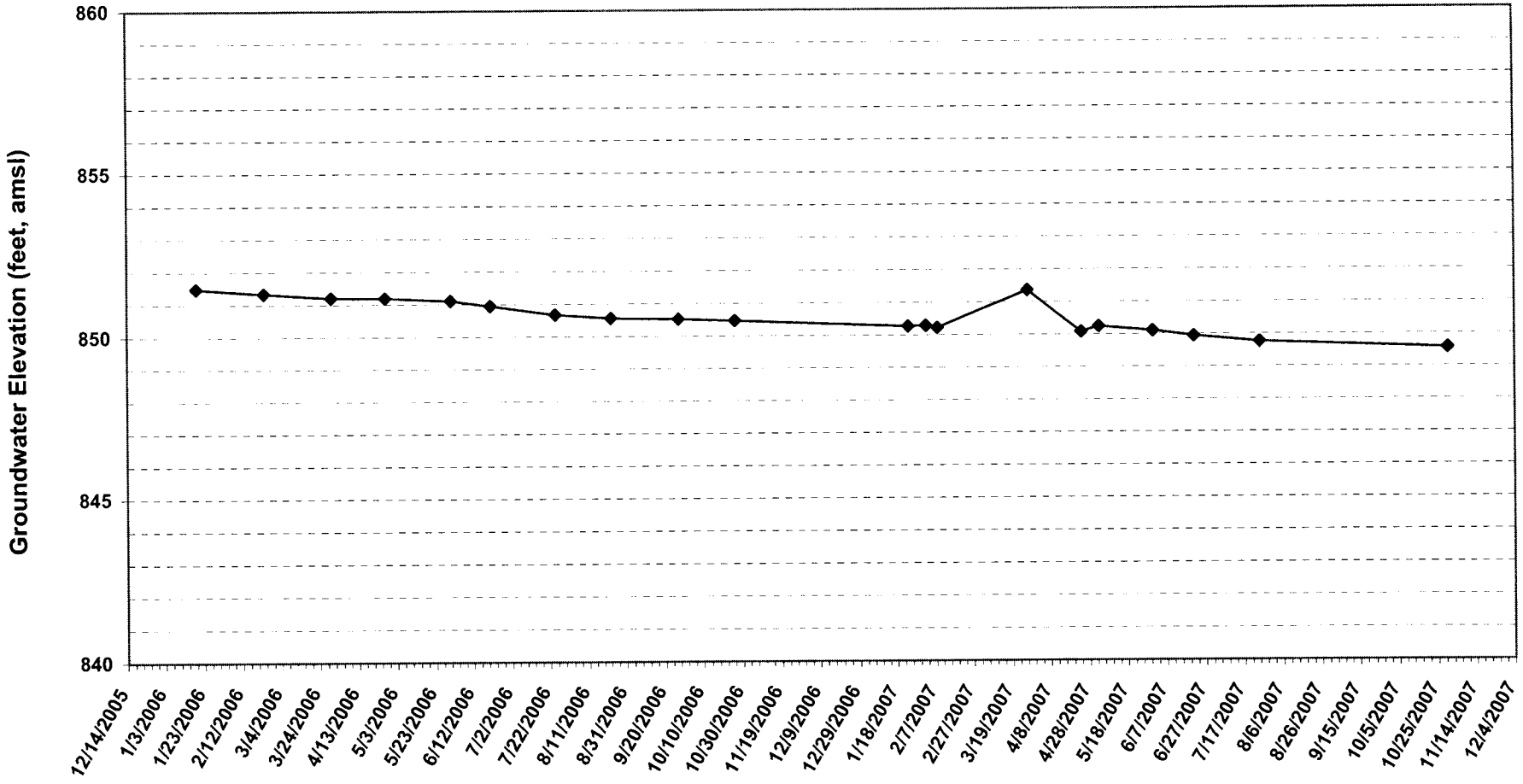


FIGURE 1-16
APP-8 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

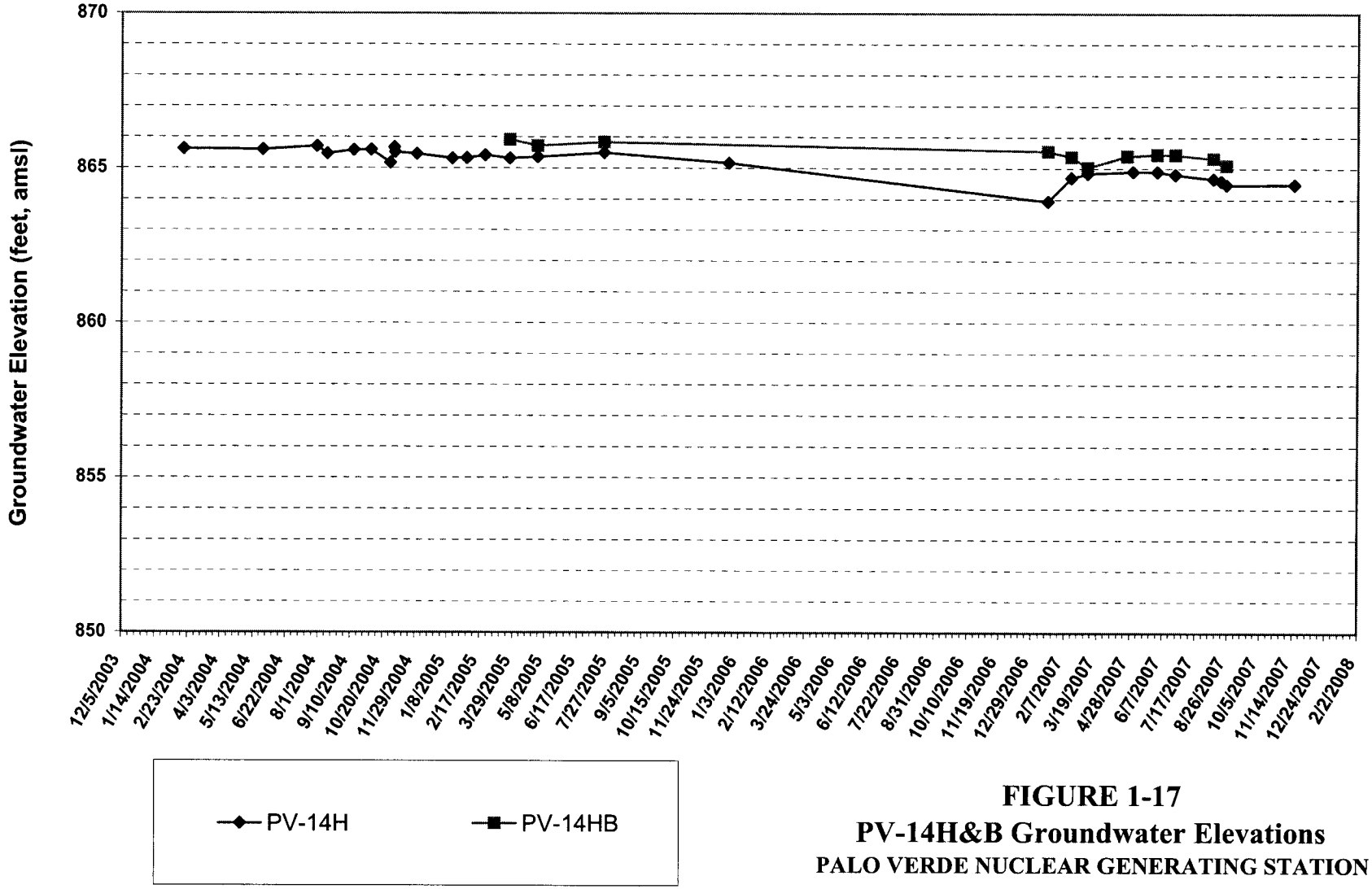


FIGURE 1-17
PV-14H&B Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

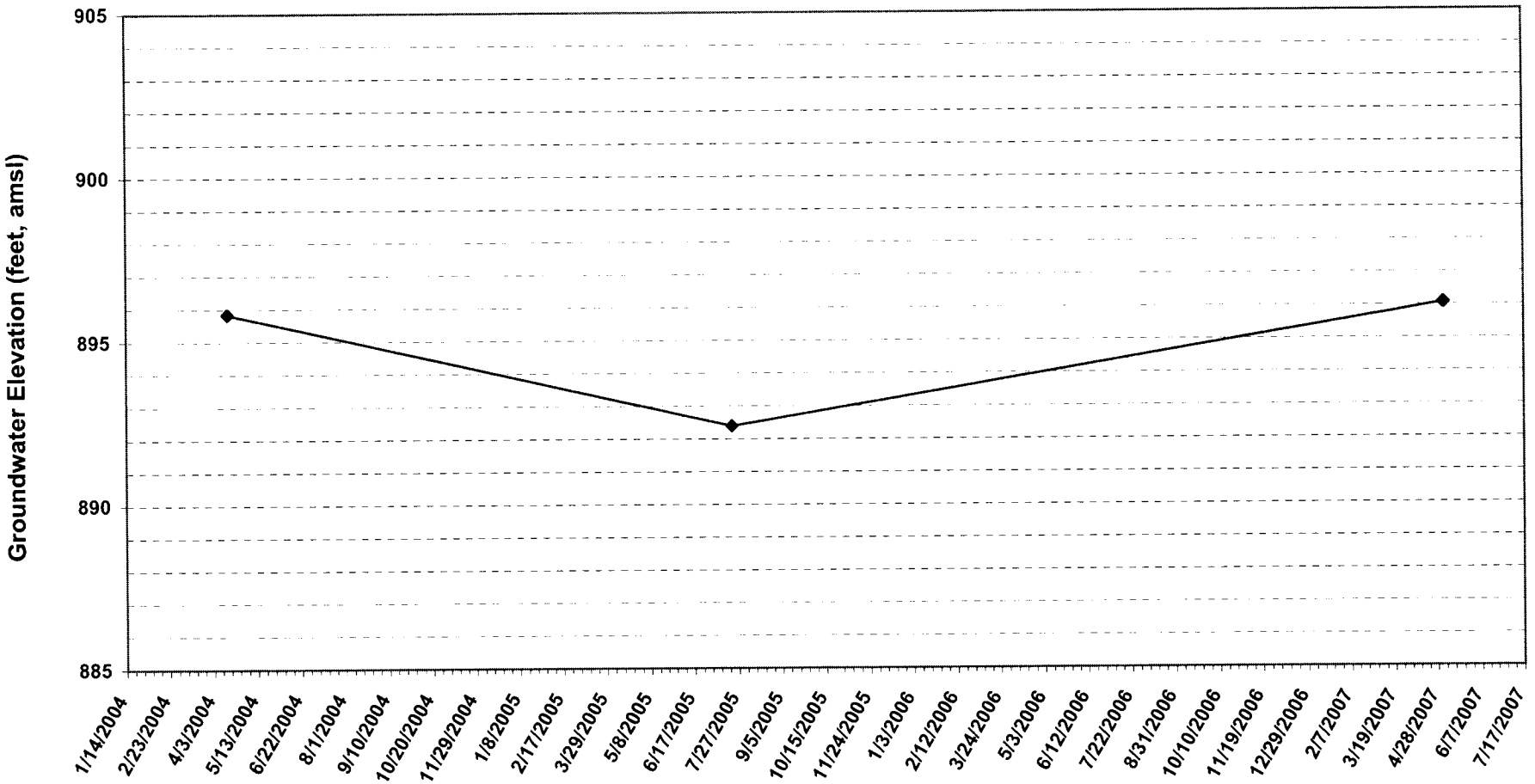


FIGURE 1-18
PV-174 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

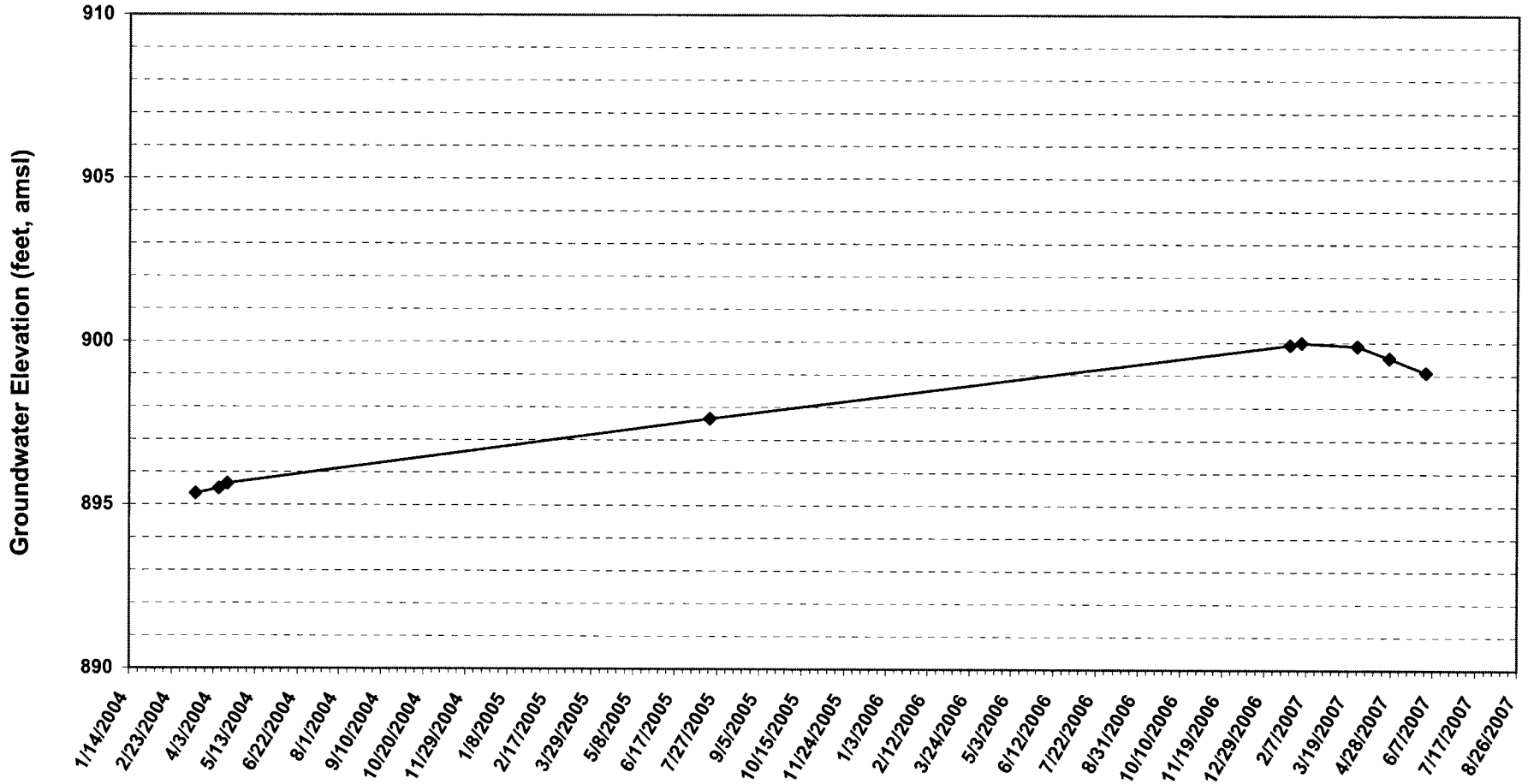


FIGURE 1-19
PV-183 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

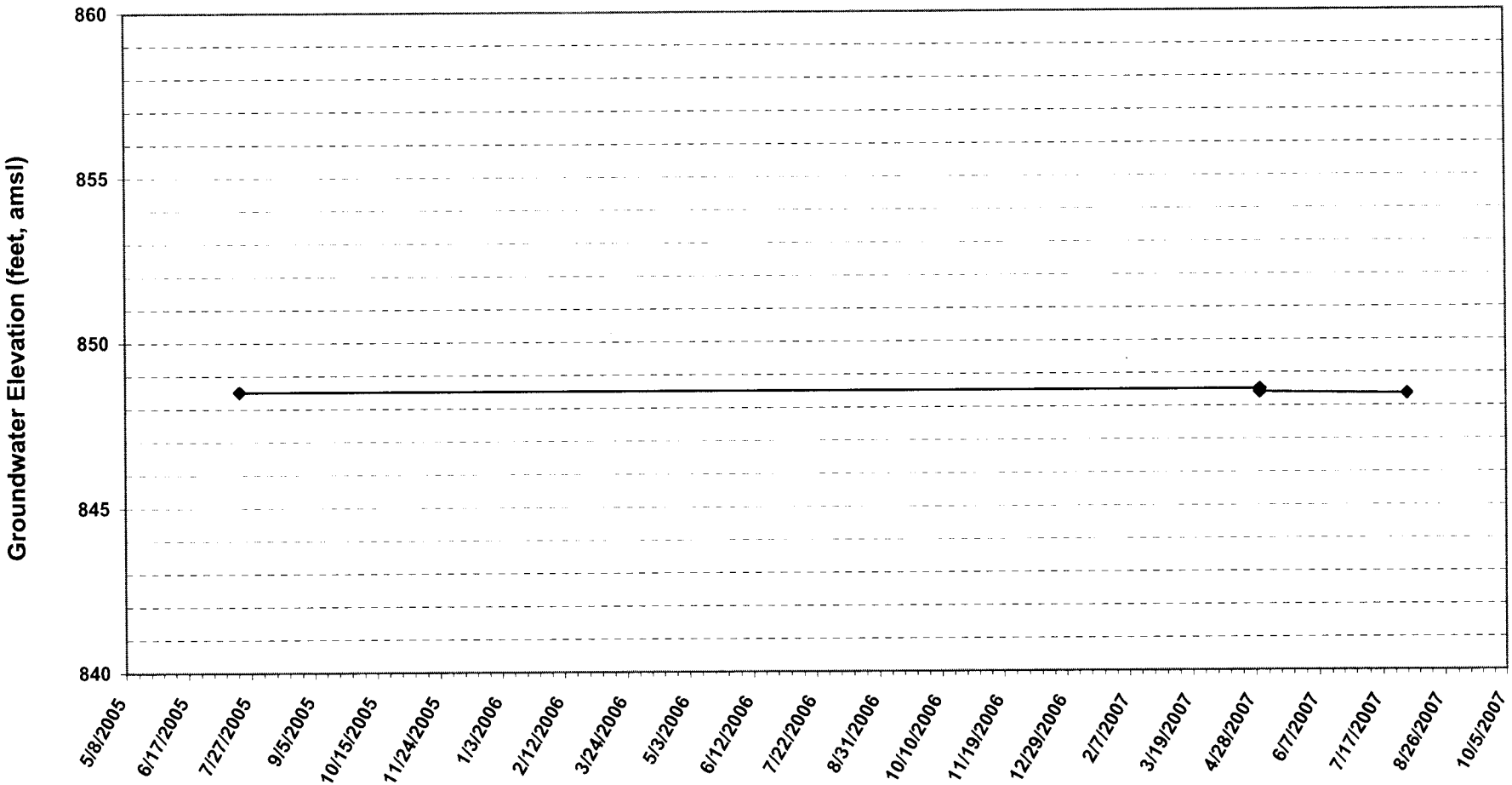


FIGURE 1-20
PV-192 A Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

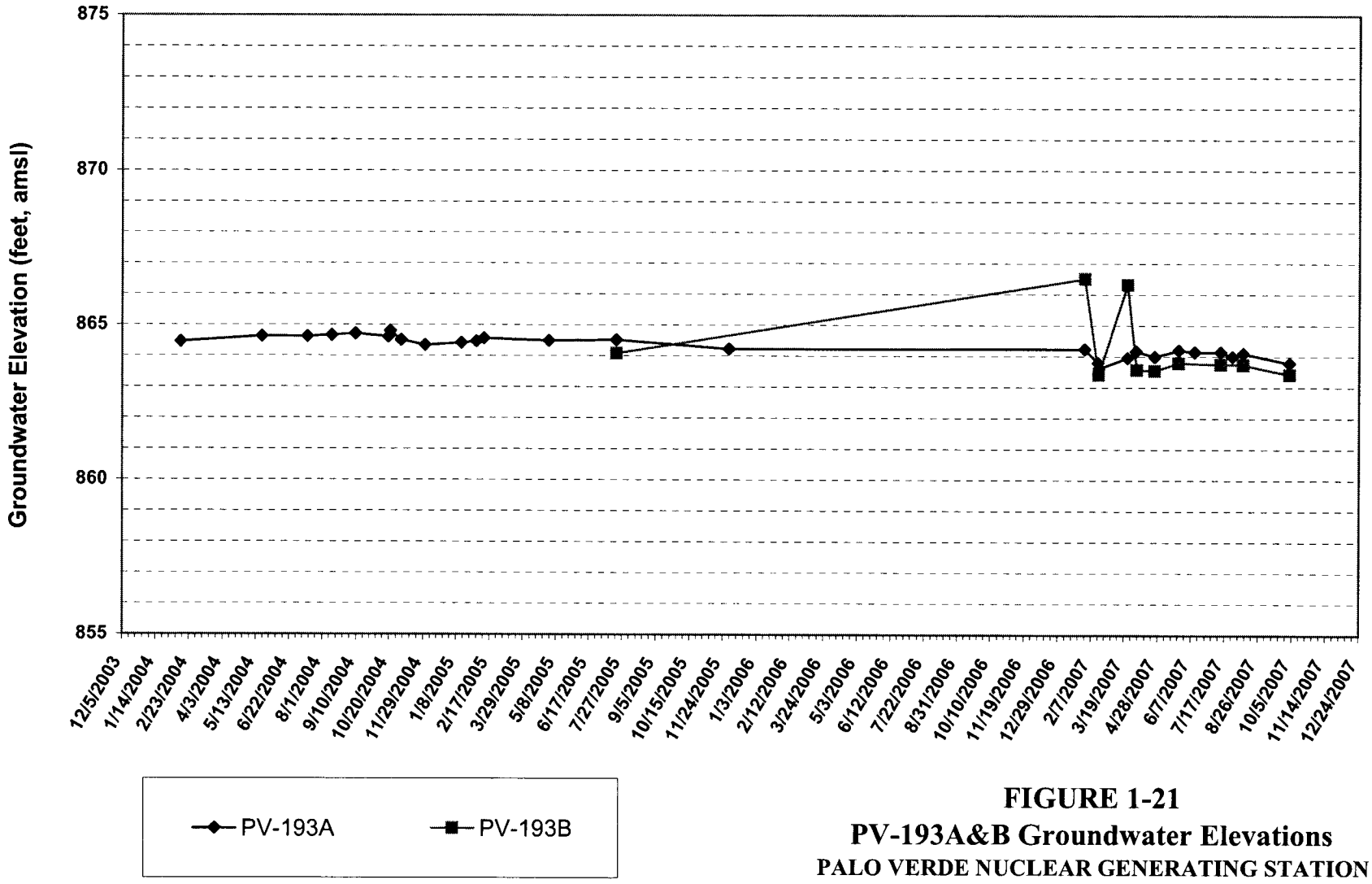


FIGURE 1-21
PV-193A&B Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

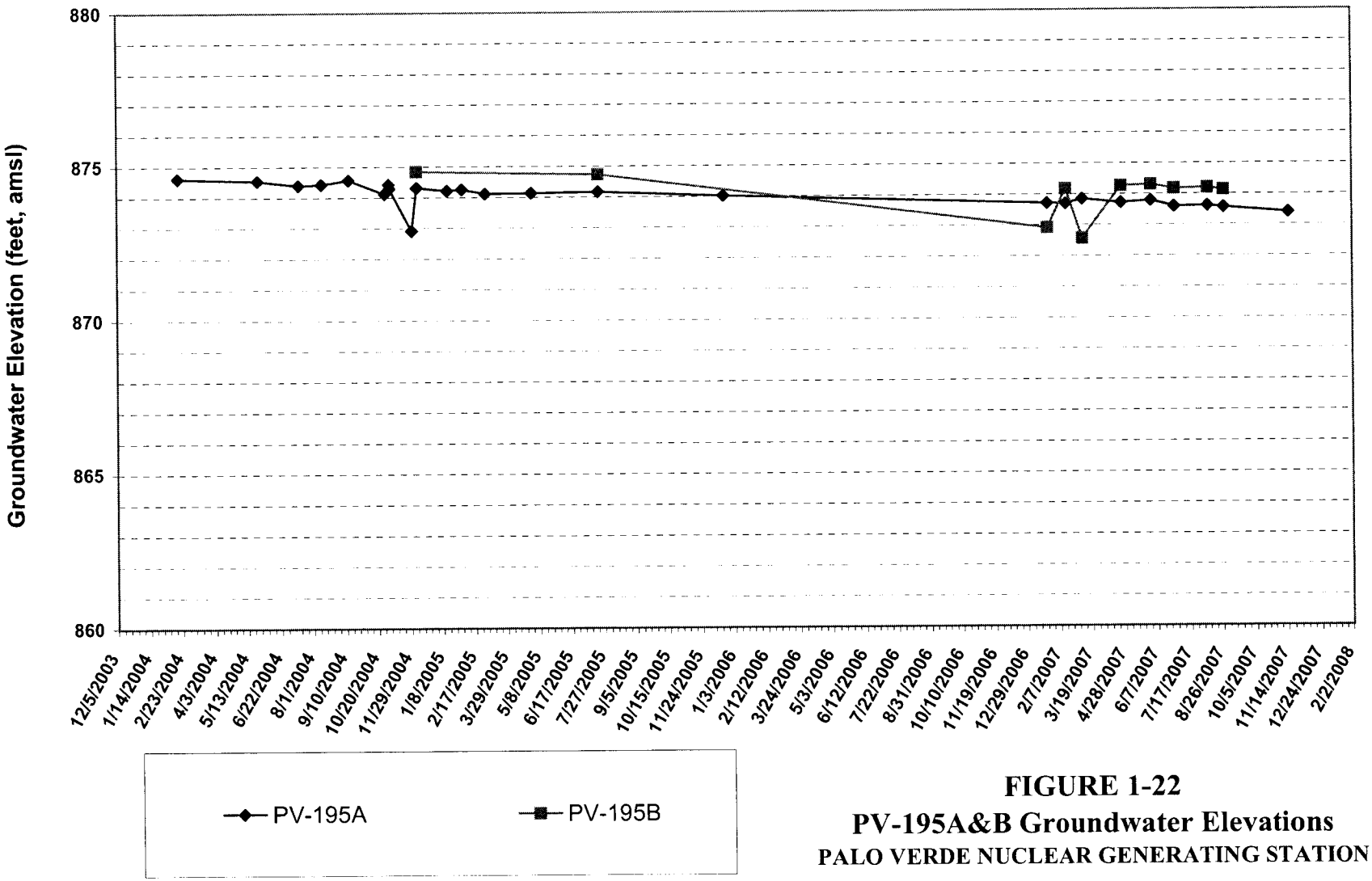


FIGURE 1-22
PV-195A&B Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

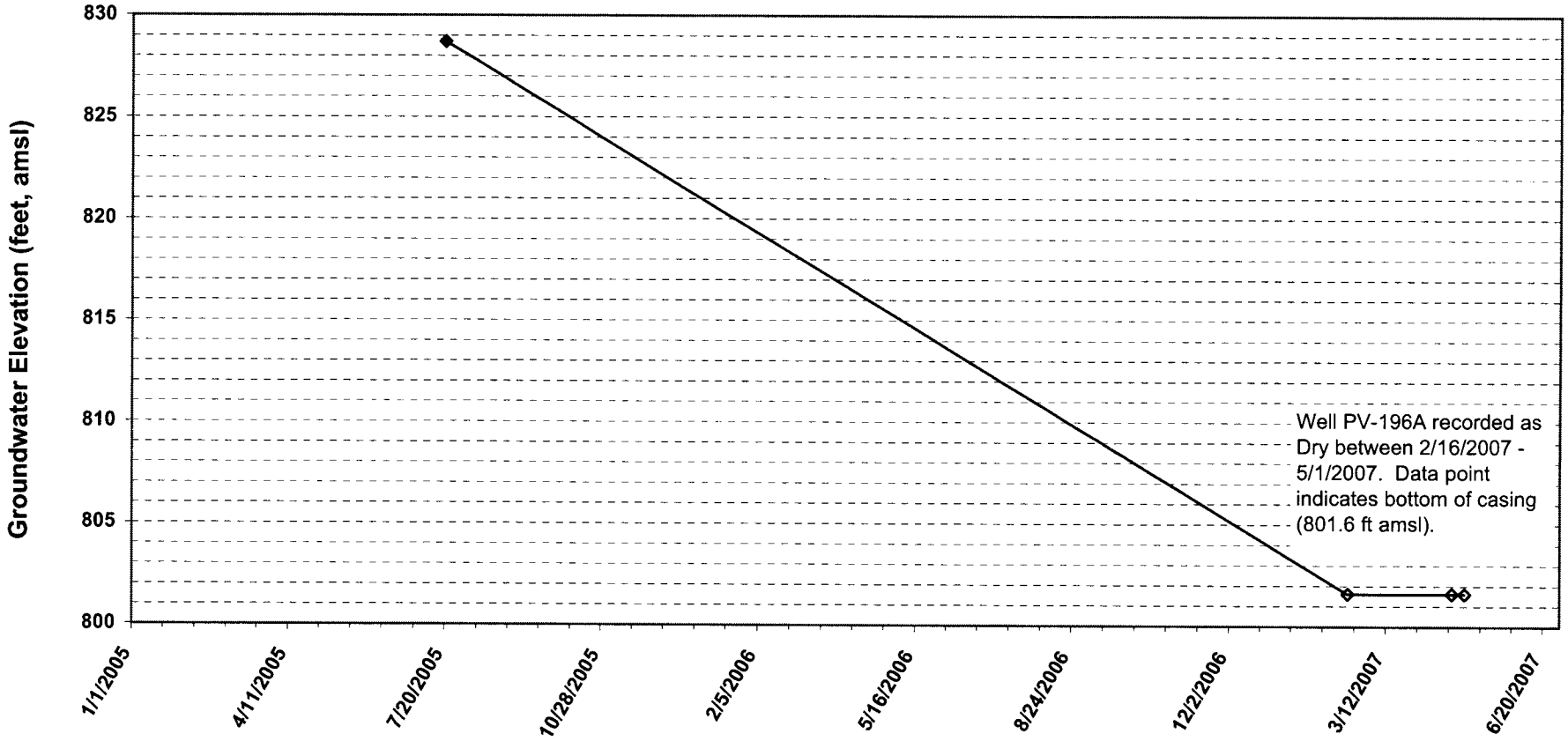


FIGURE 1-23
PV-196A Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

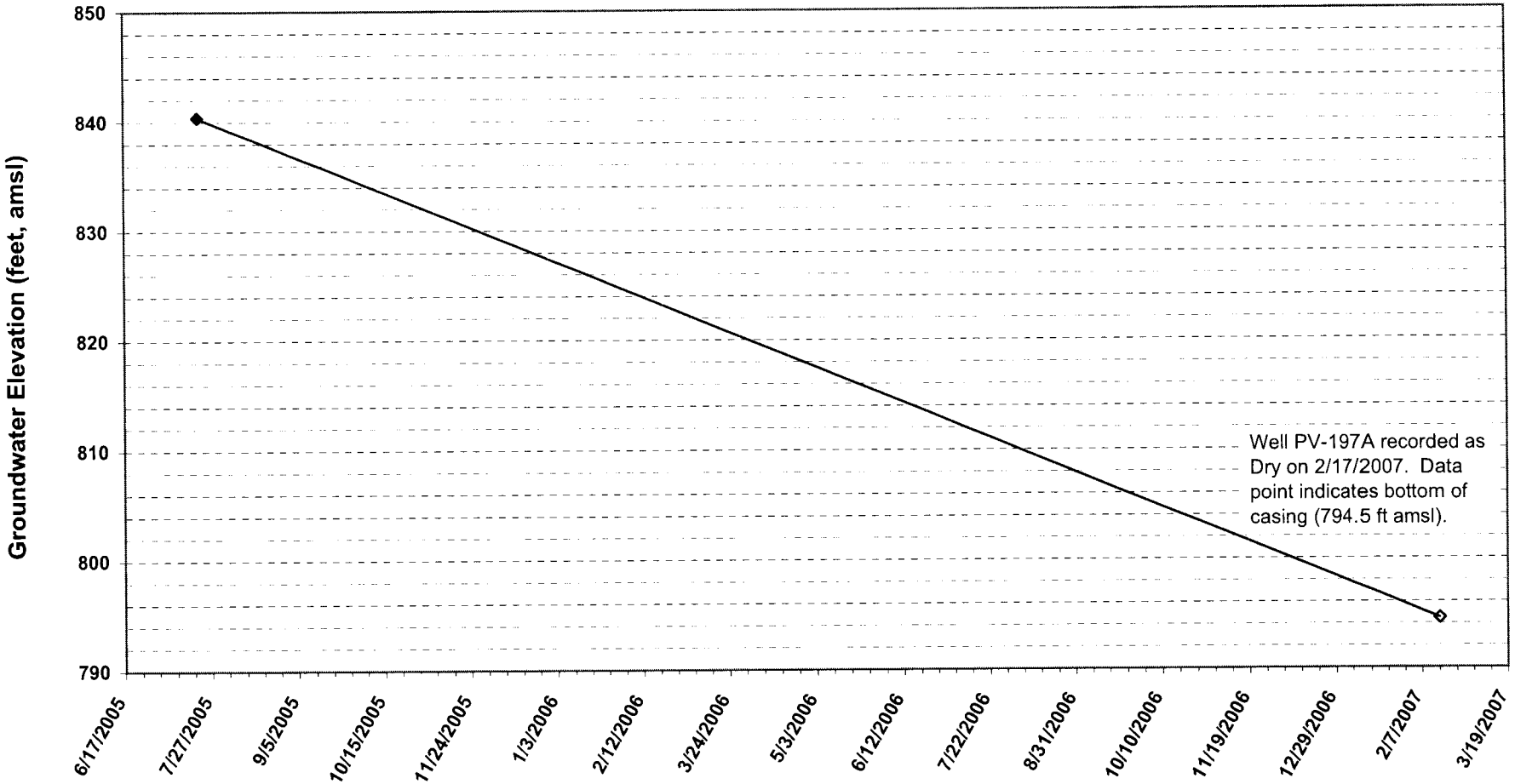


FIGURE 1-24
PV-197A Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

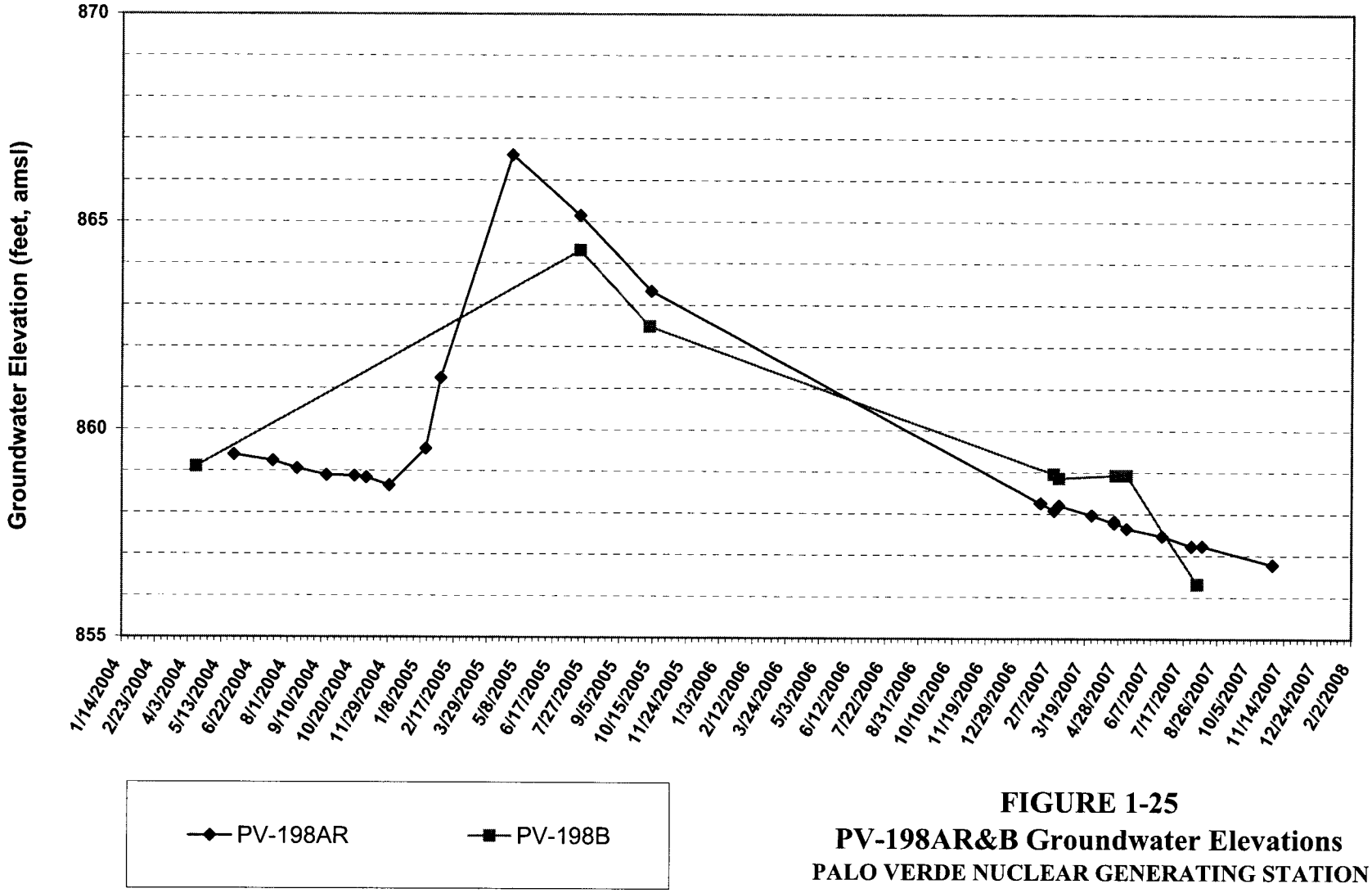


FIGURE 1-25
PV-198AR&B Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

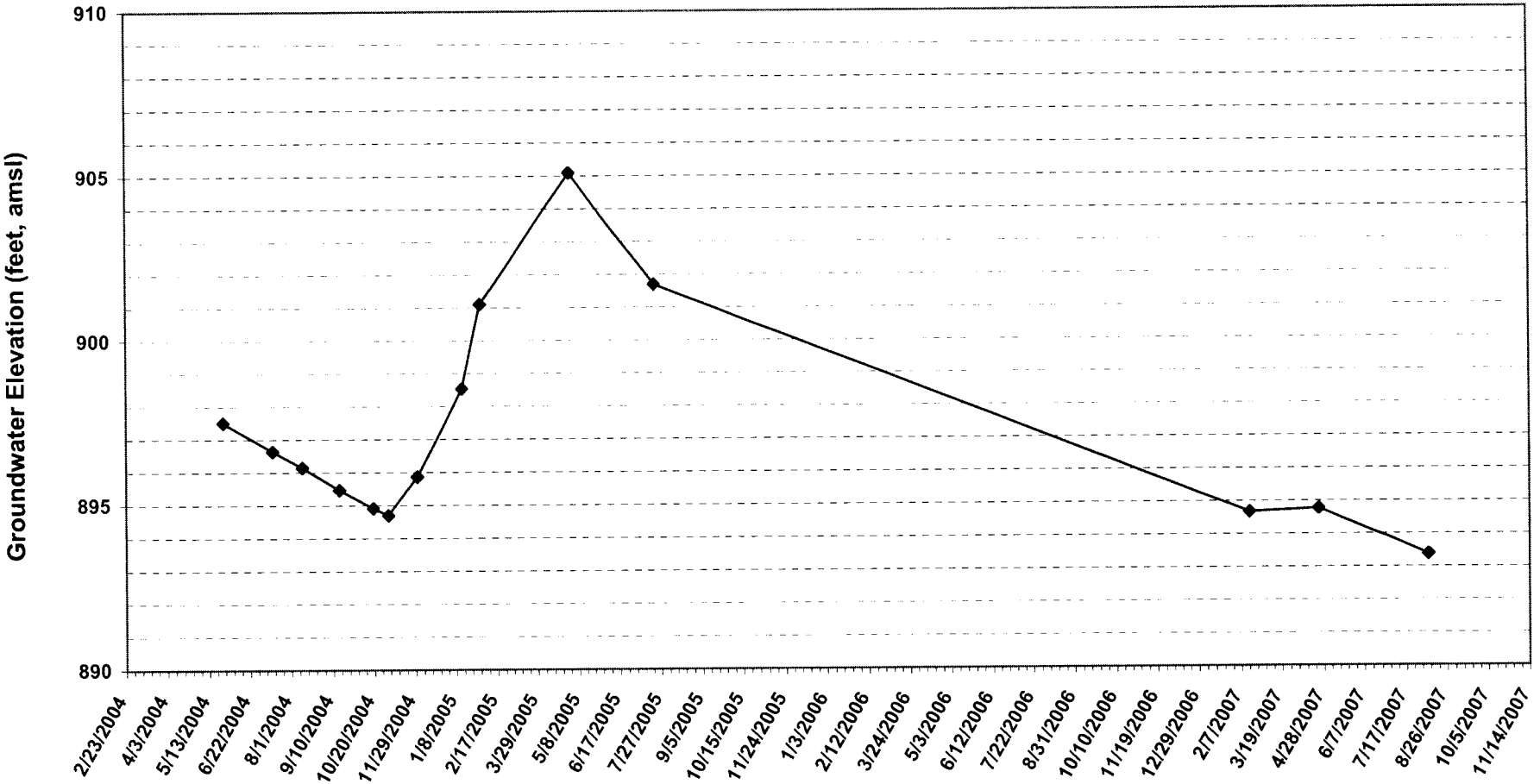


FIGURE 1-26
PV-201A Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

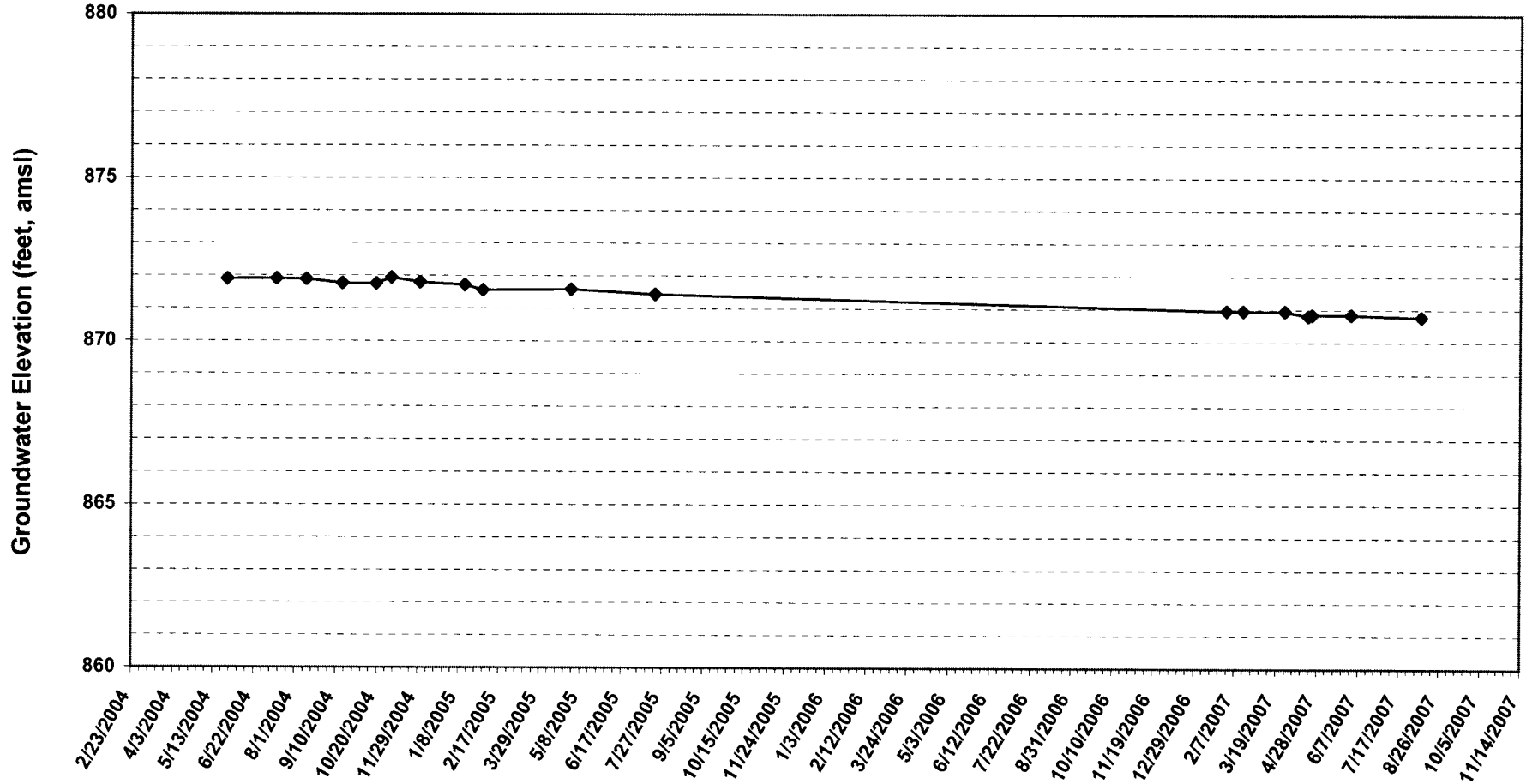


FIGURE 1-27
PV-202A Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

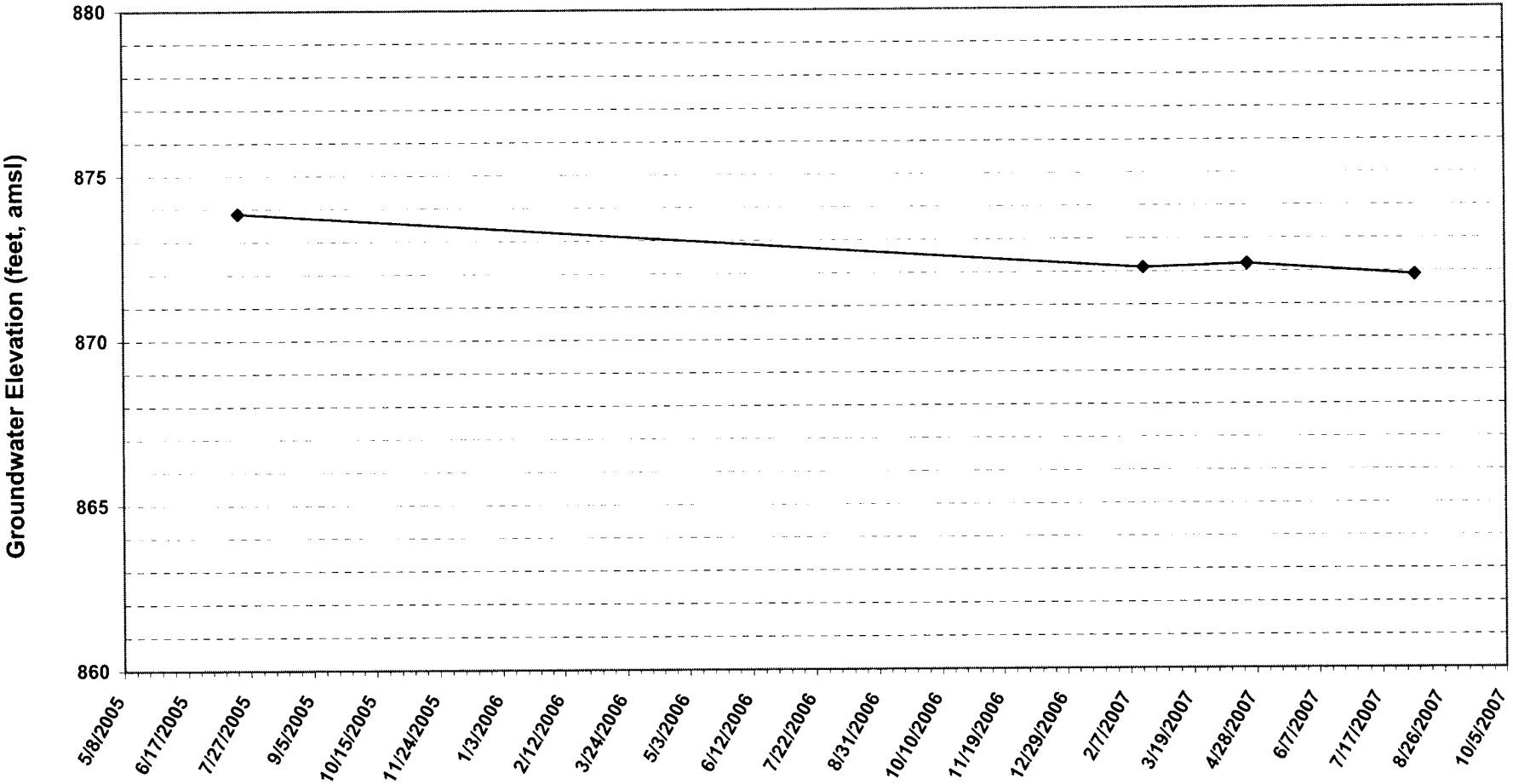


FIGURE 1-28
PV-203A Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

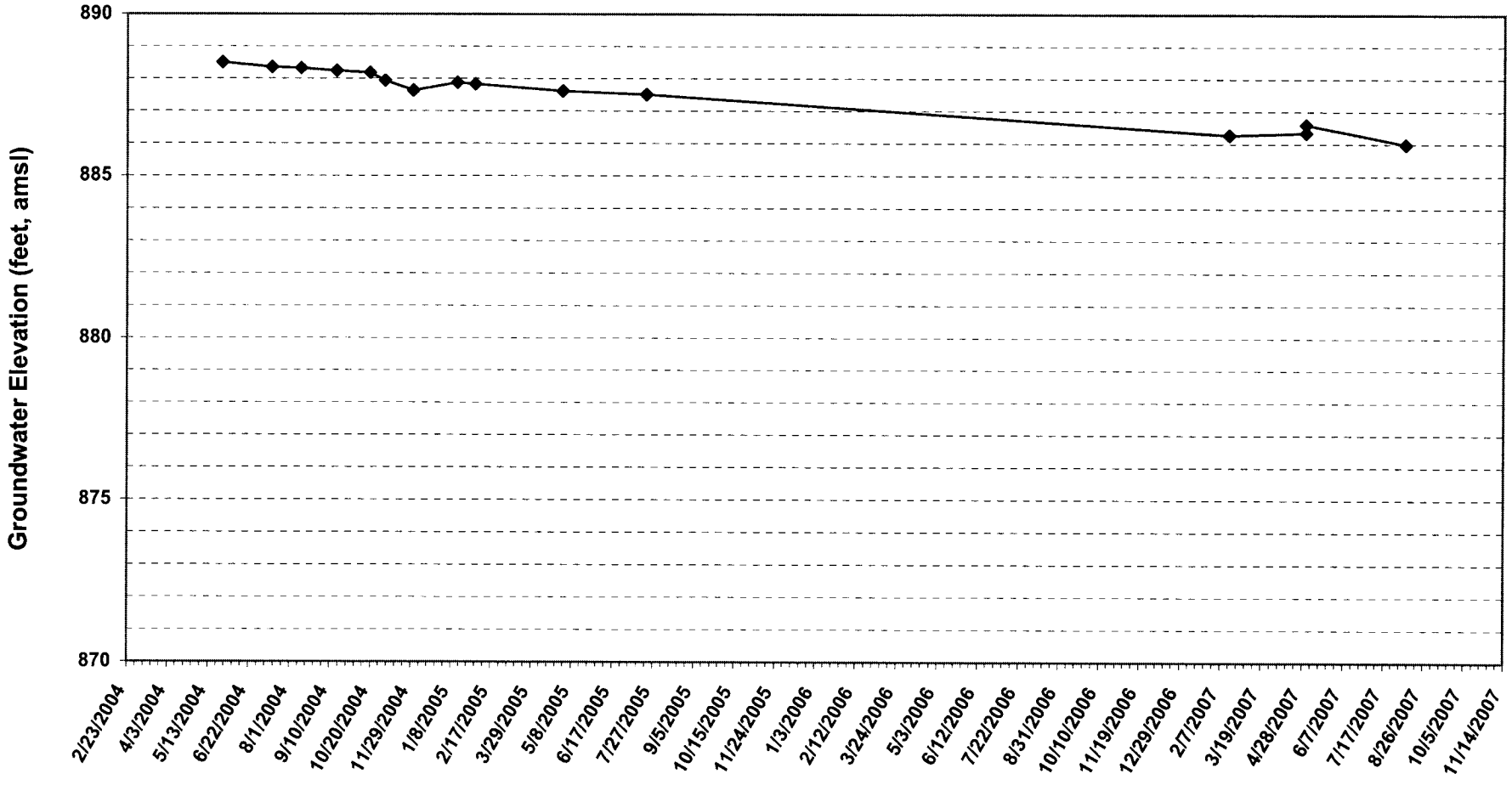


FIGURE 1-29
PV-204A Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

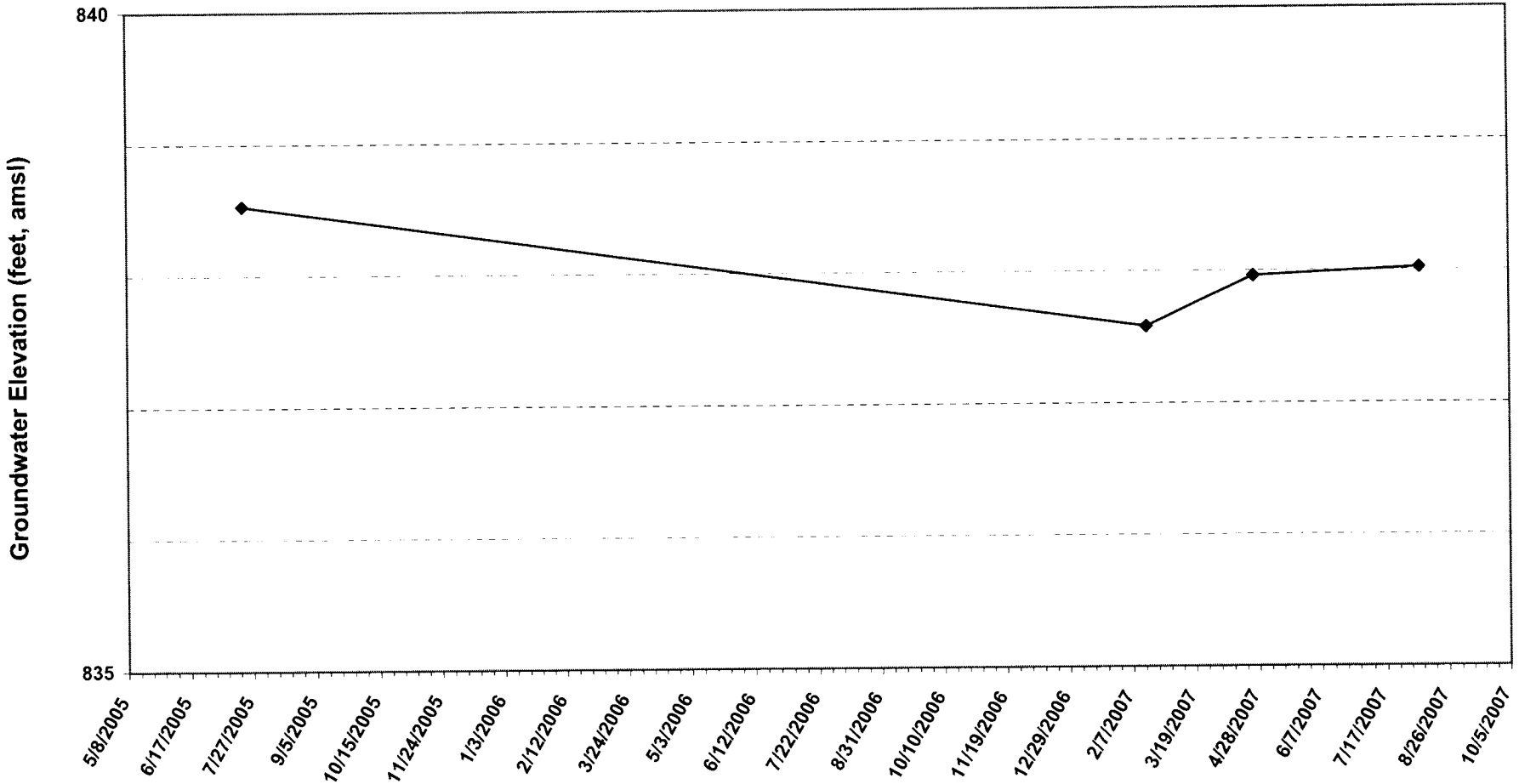


FIGURE 1-30
PV-205A Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

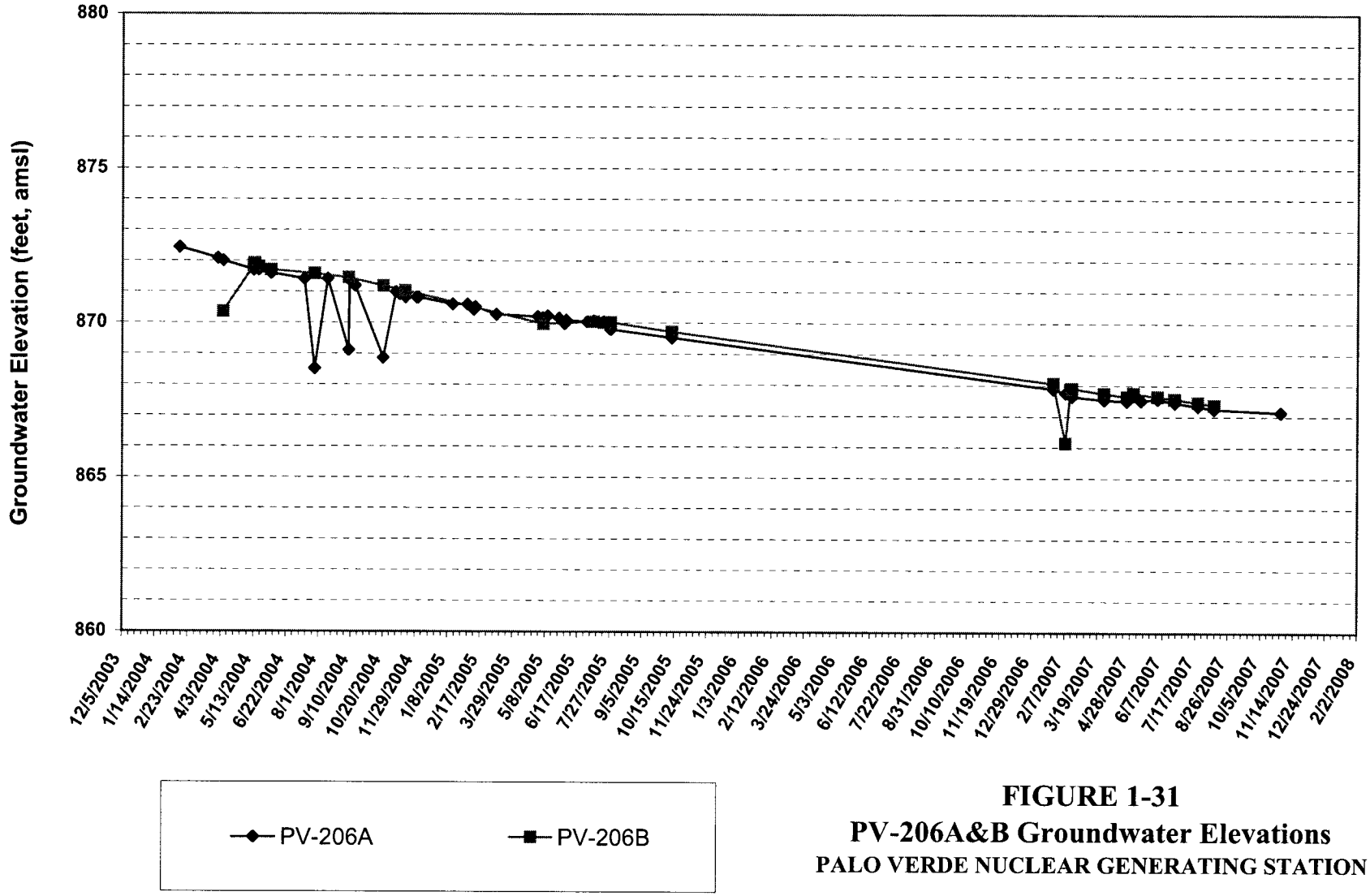


FIGURE 1-31
PV-206A&B Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

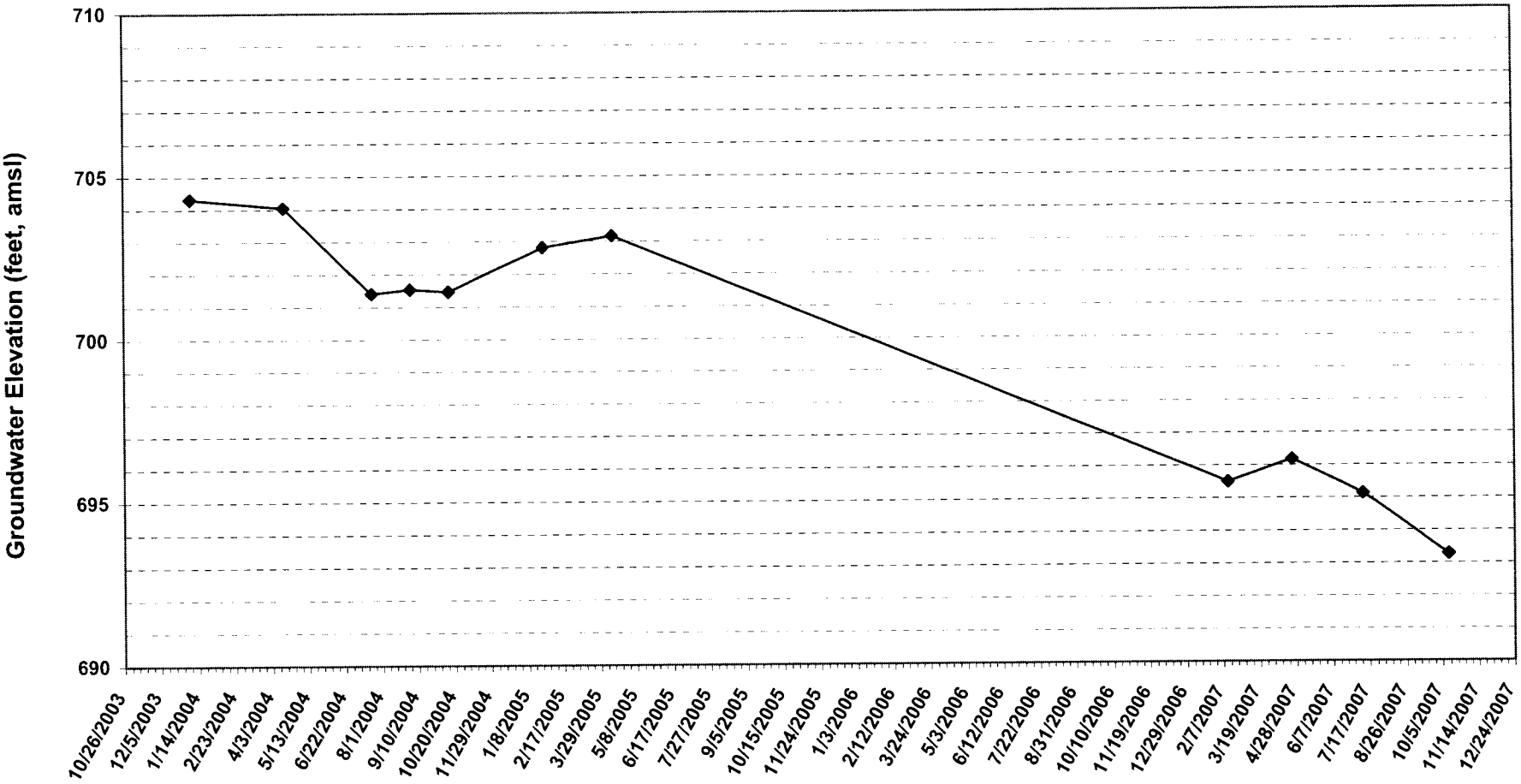


FIGURE 1-32
PV-216R Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

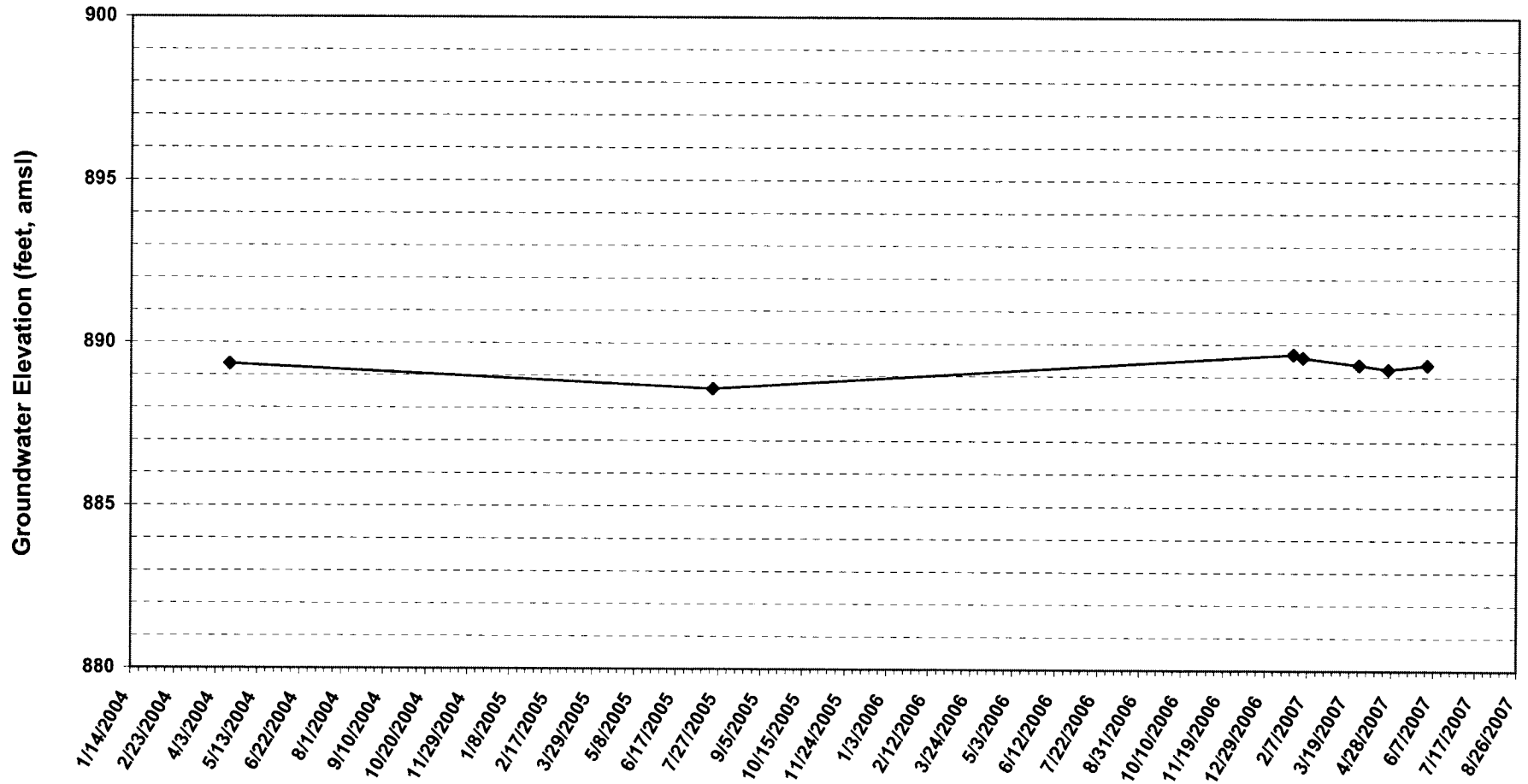


FIGURE 1-33
PV-21H Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

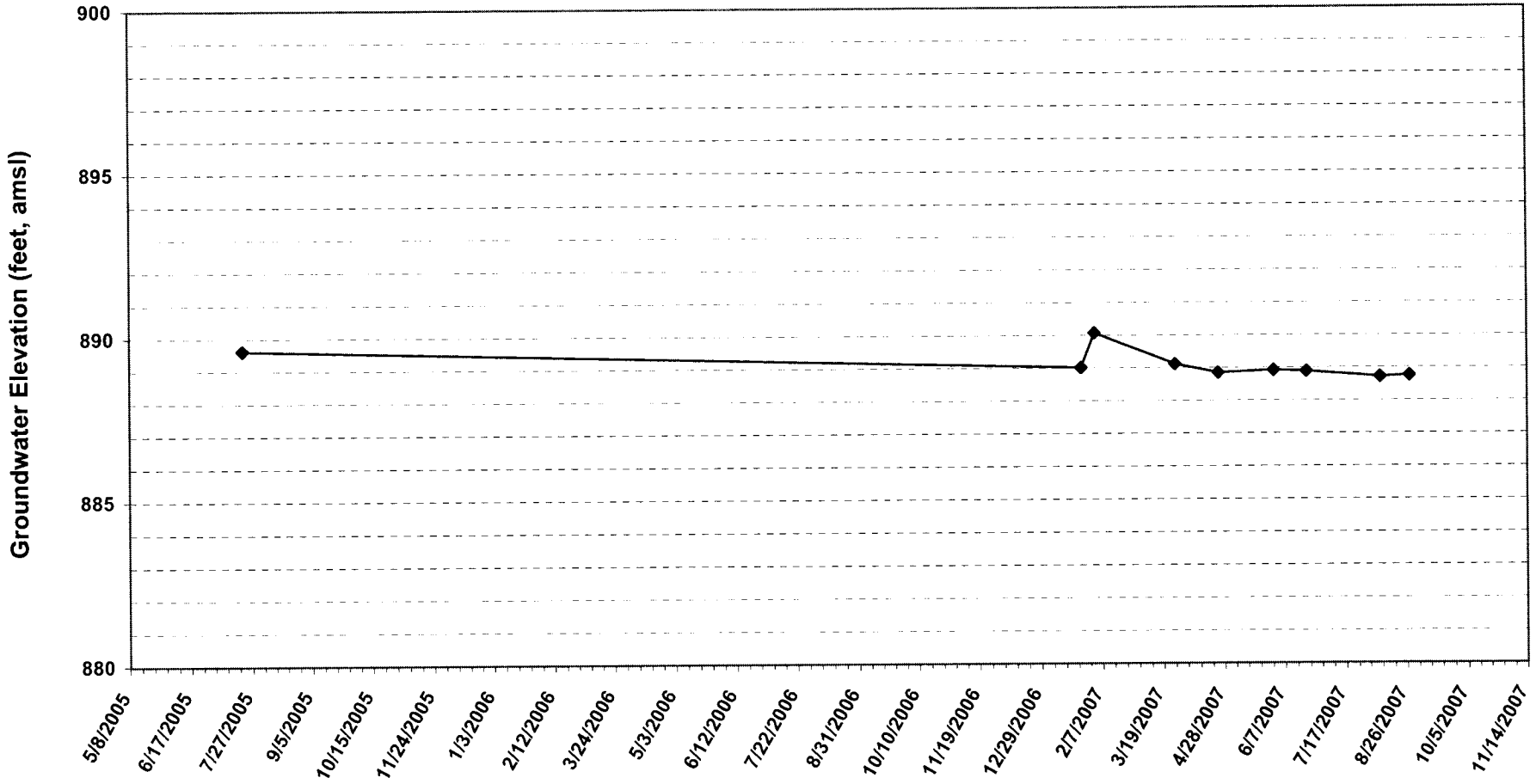


FIGURE 1-34
PV-24H Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

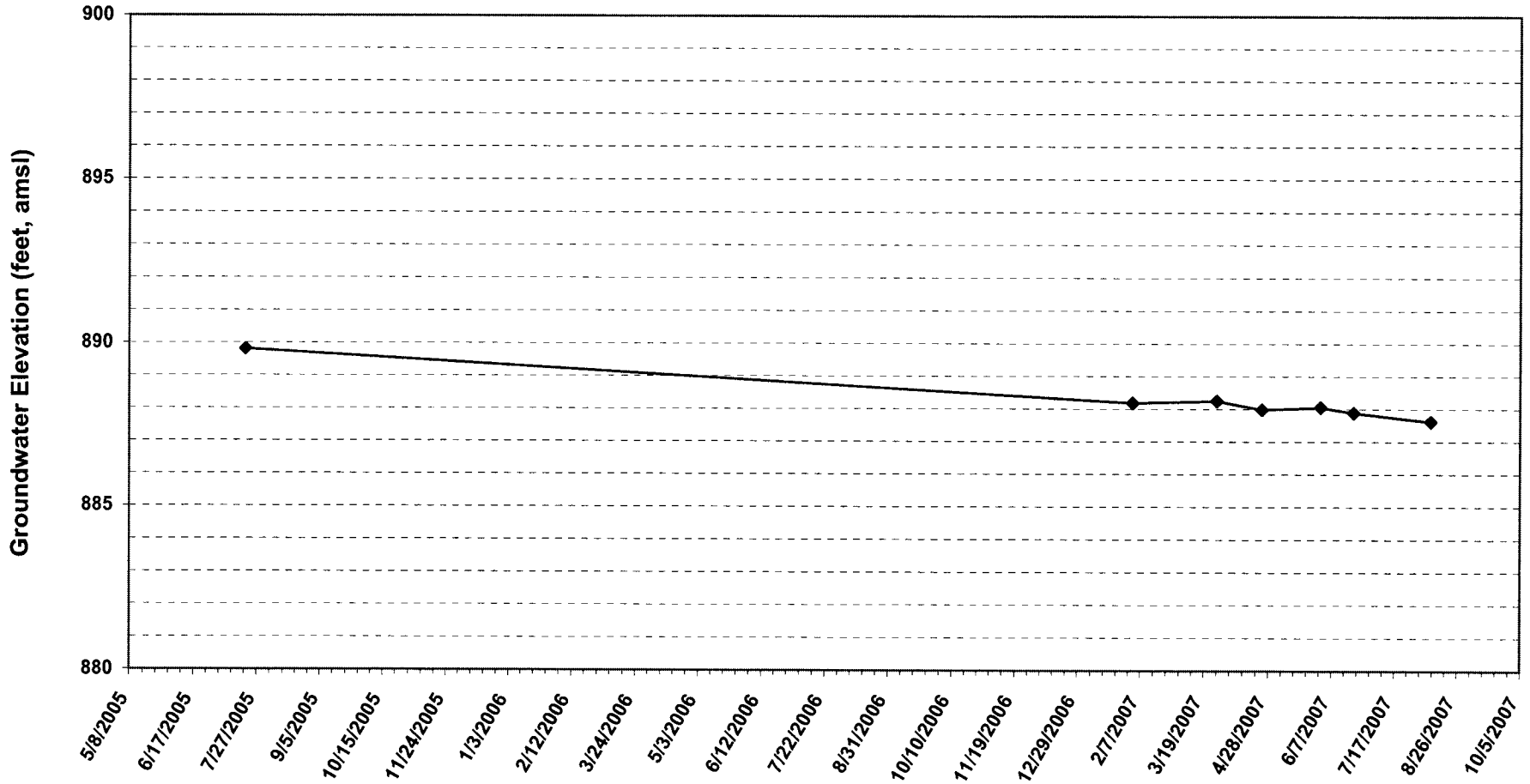


FIGURE 1-35
PV-24HB Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

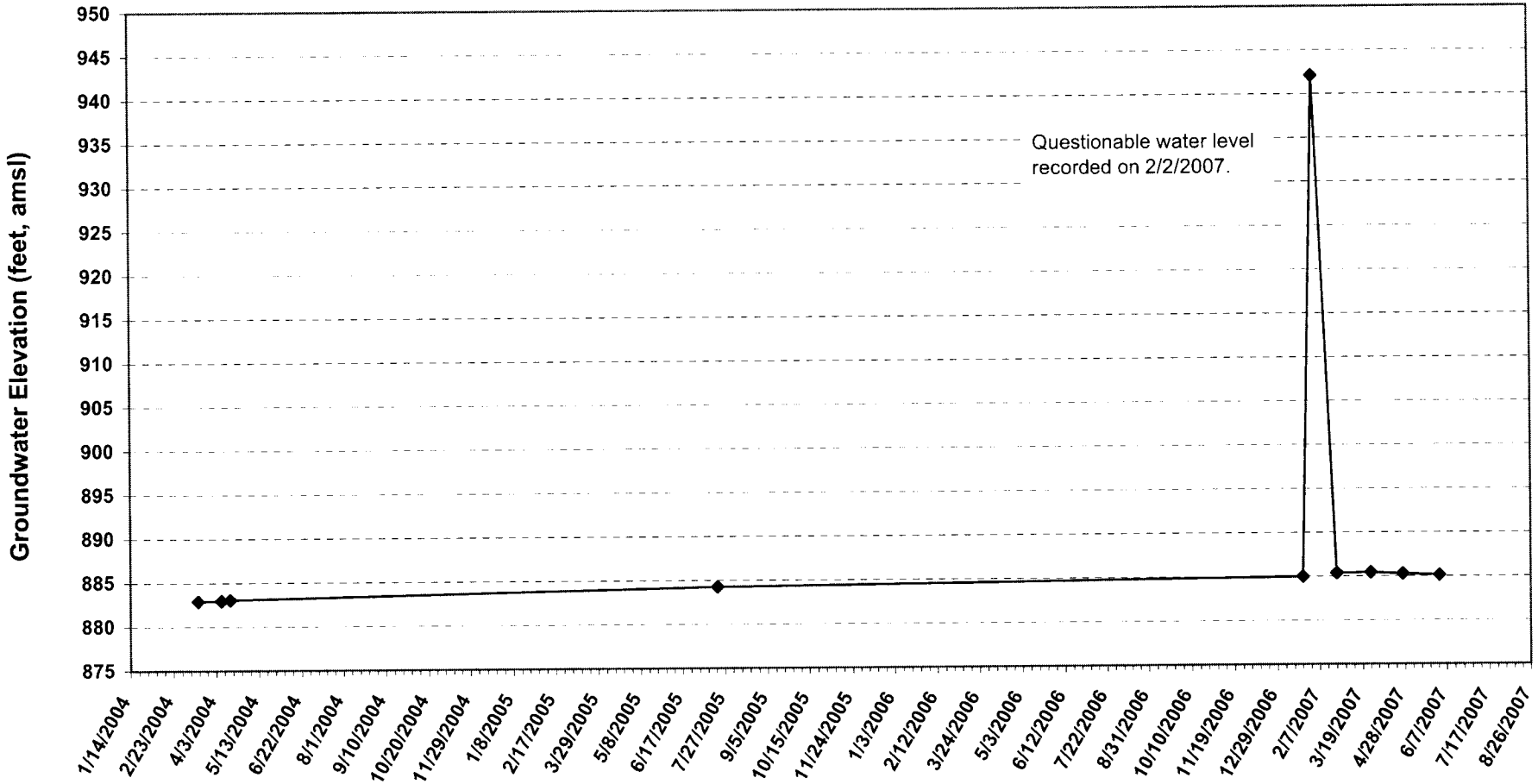


FIGURE 1-36
PV-25HA Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

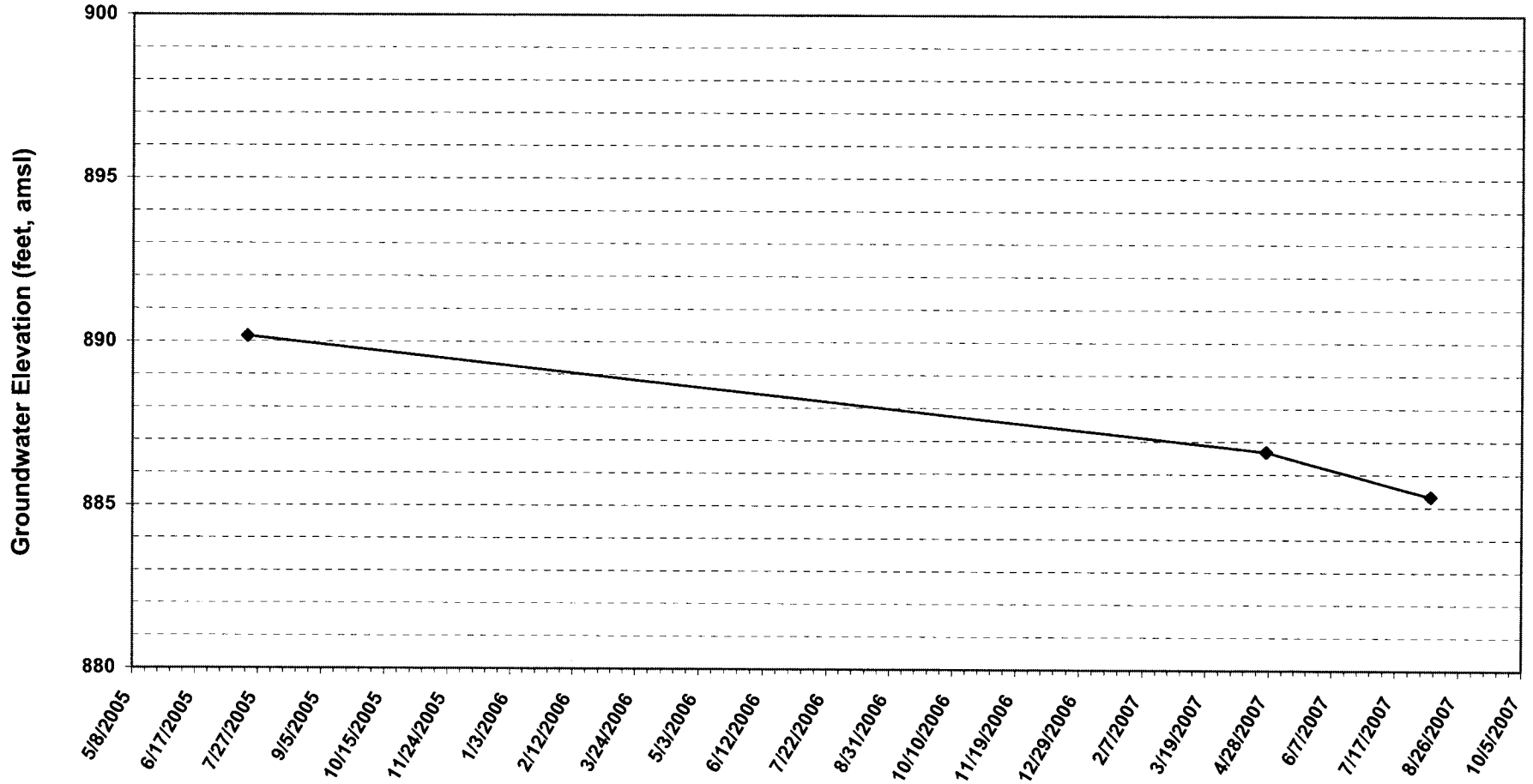


FIGURE 1-37
PV-28HB Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

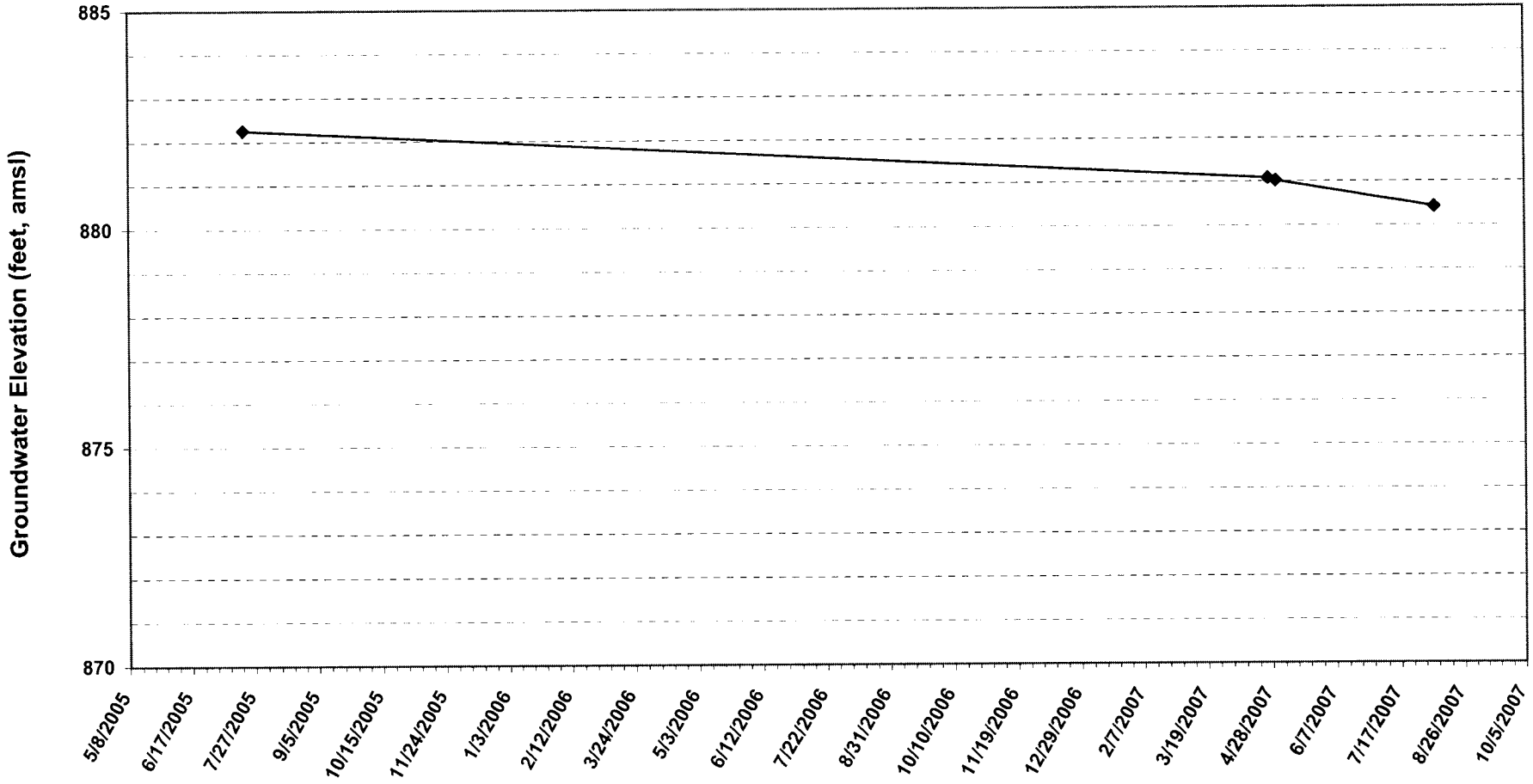


FIGURE 1-38
PV-29HB Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

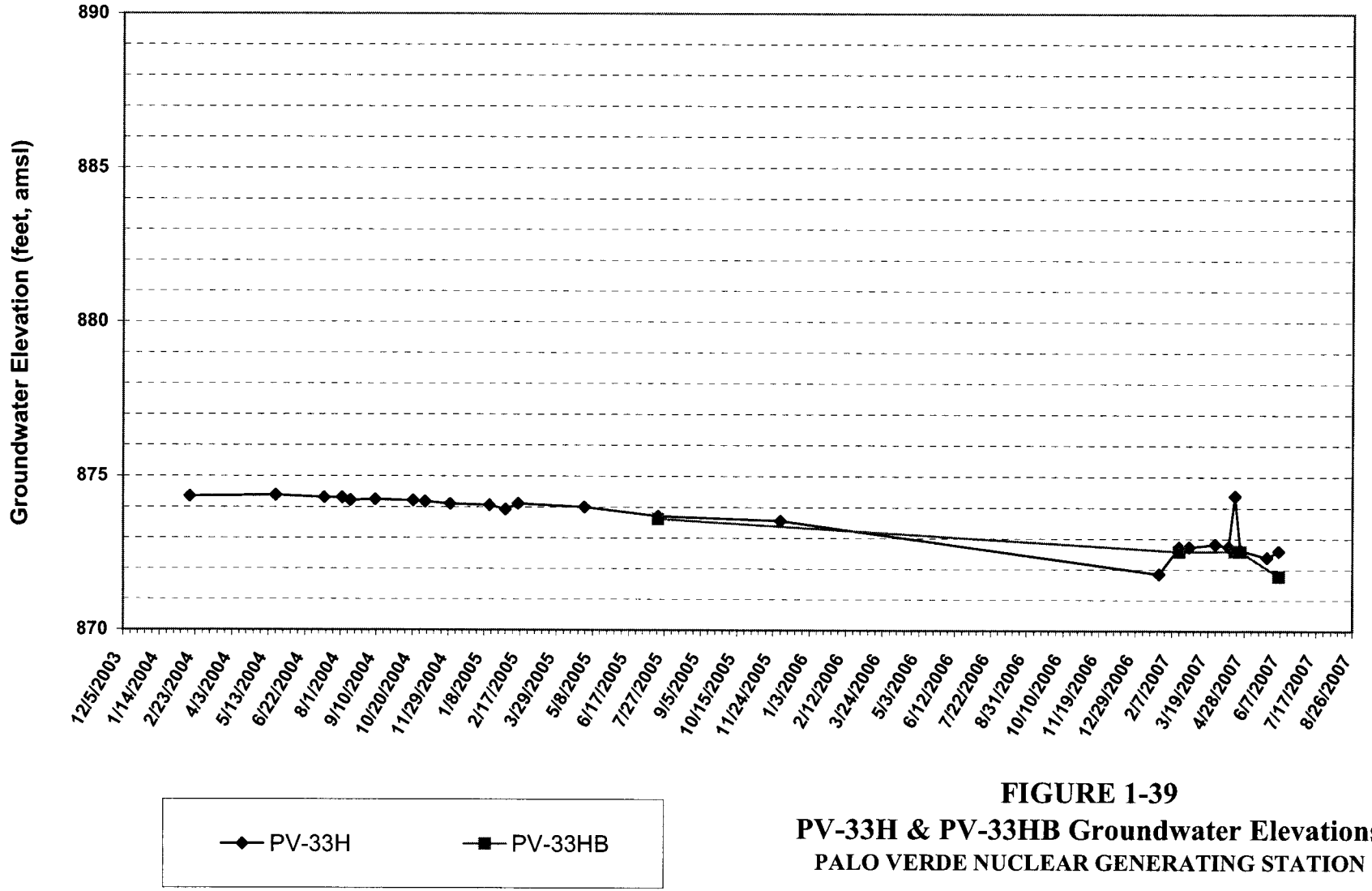


FIGURE 1-39
PV-33H & PV-33HB Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

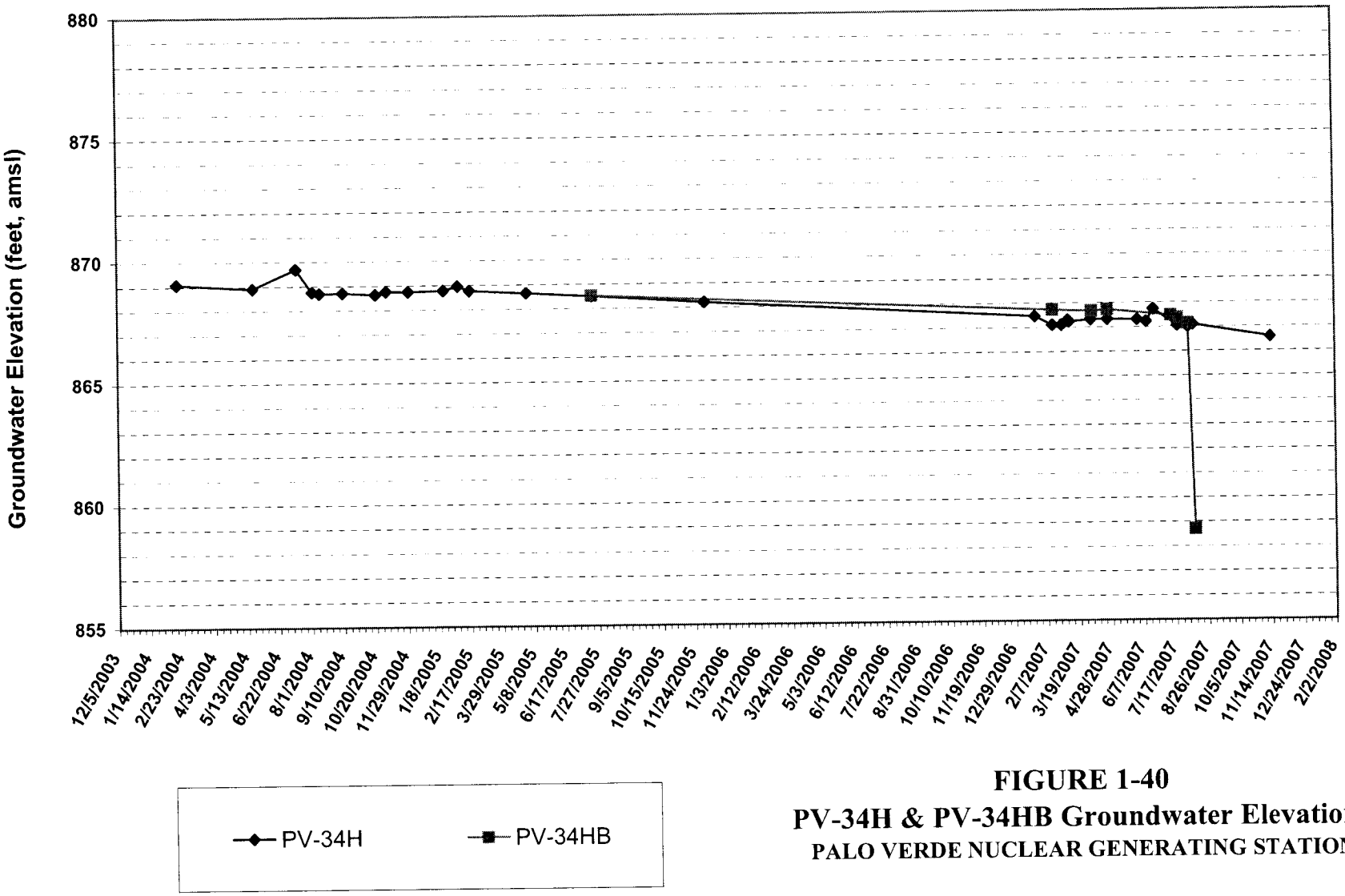


FIGURE 1-40
PV-34H & PV-34HB Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

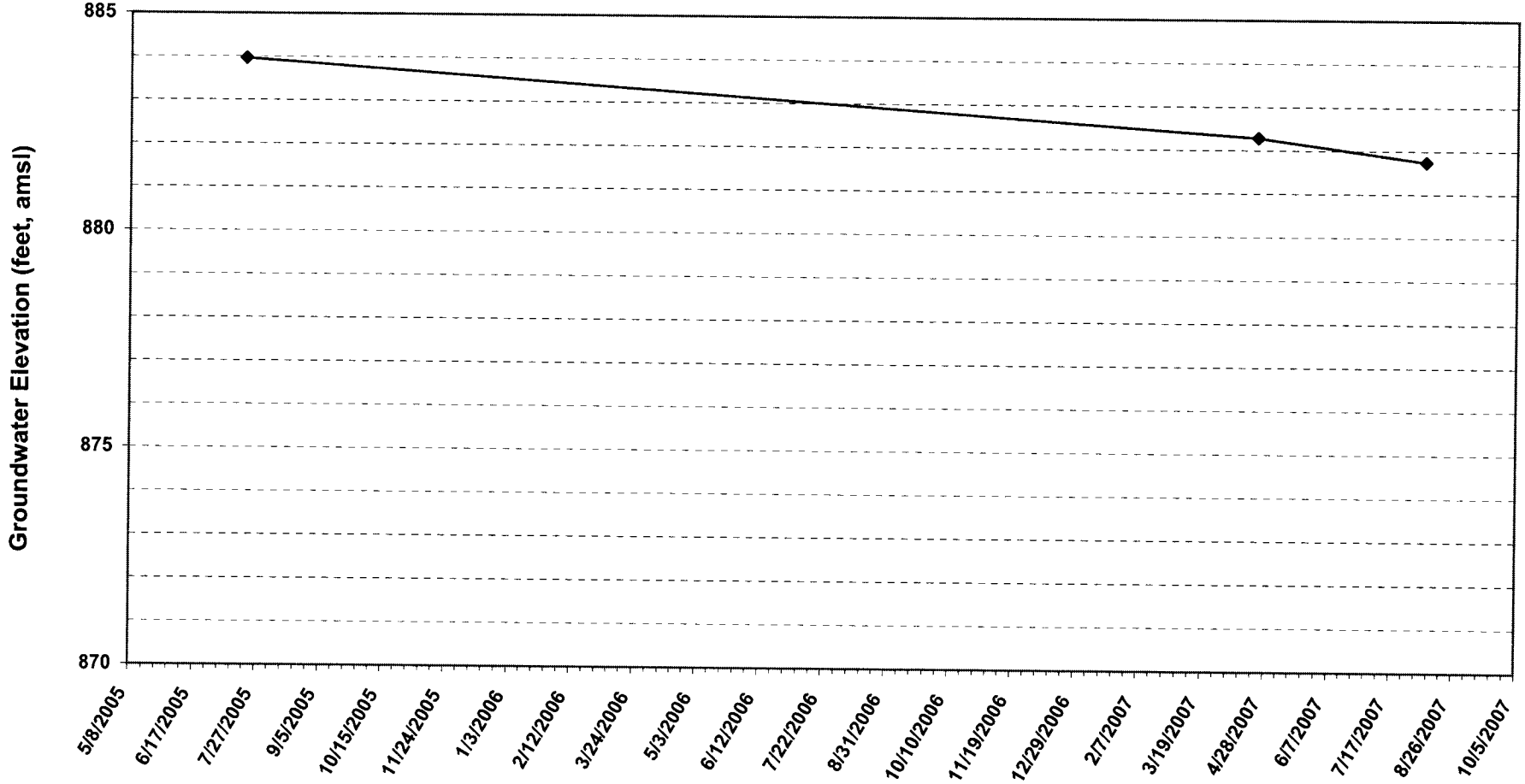


FIGURE 1-41
PV-Q5 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

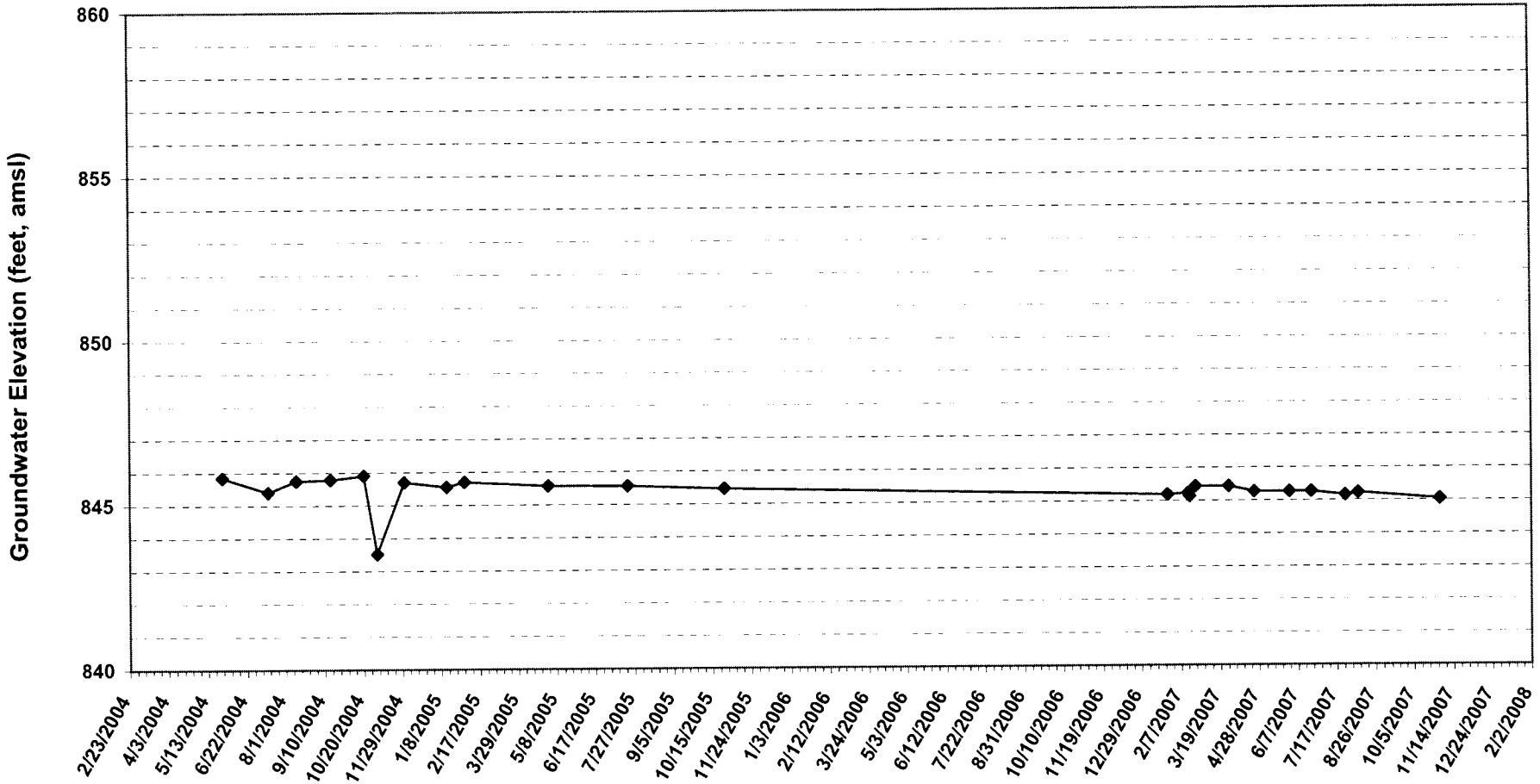


FIGURE 1-42
PV-Q8 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

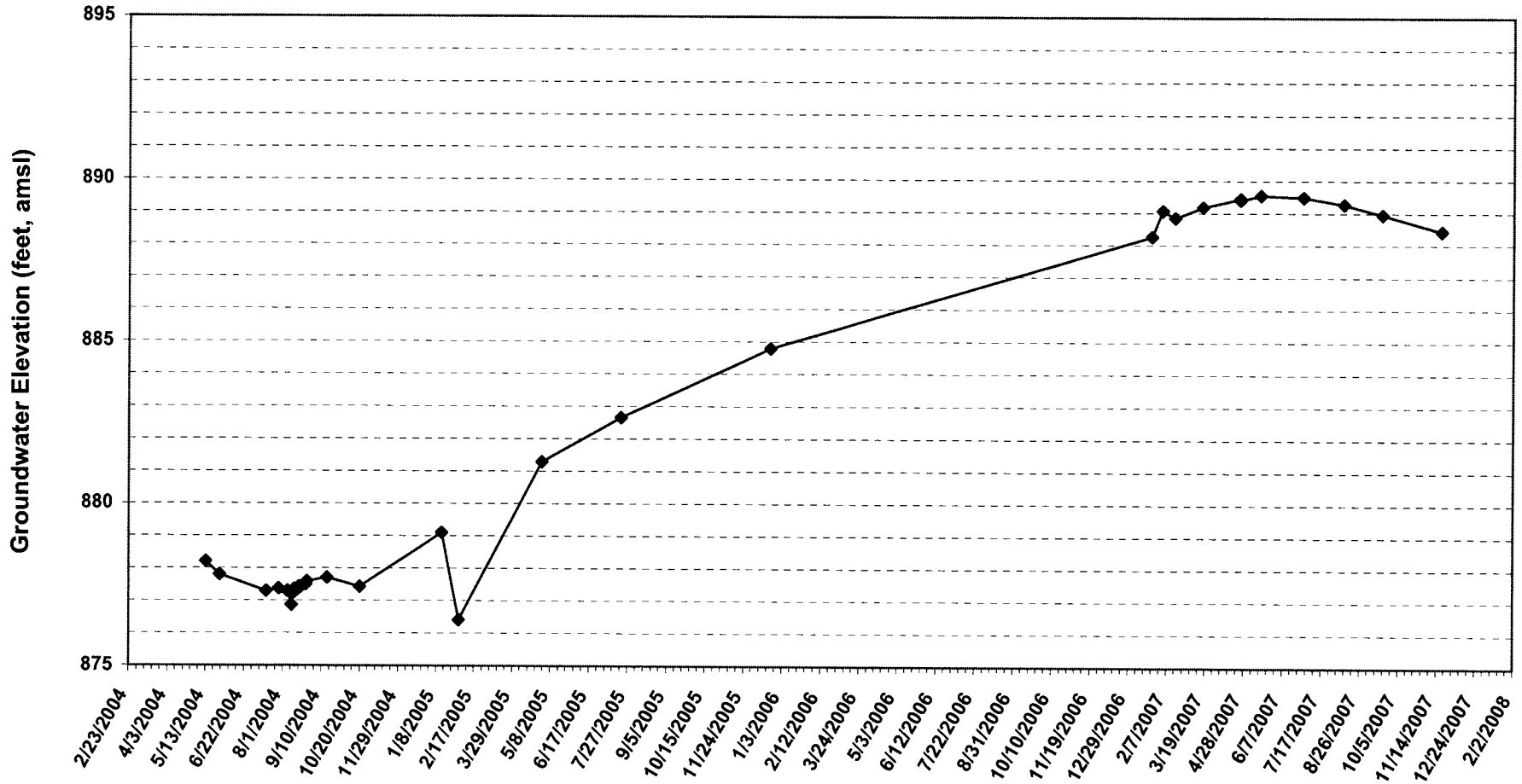


FIGURE 1-43
PV-R2AR Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

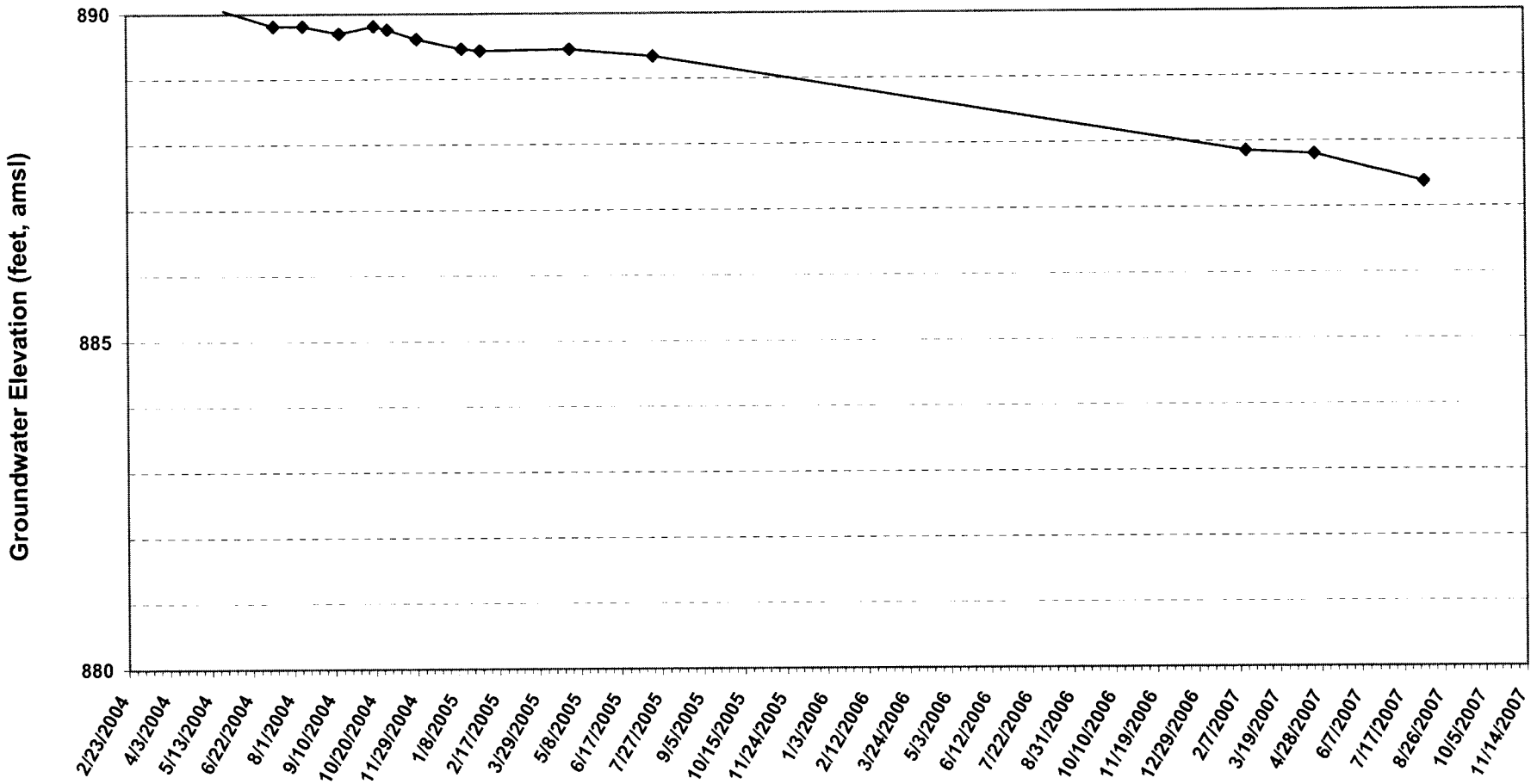


FIGURE 1-44
U5-PTWB Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

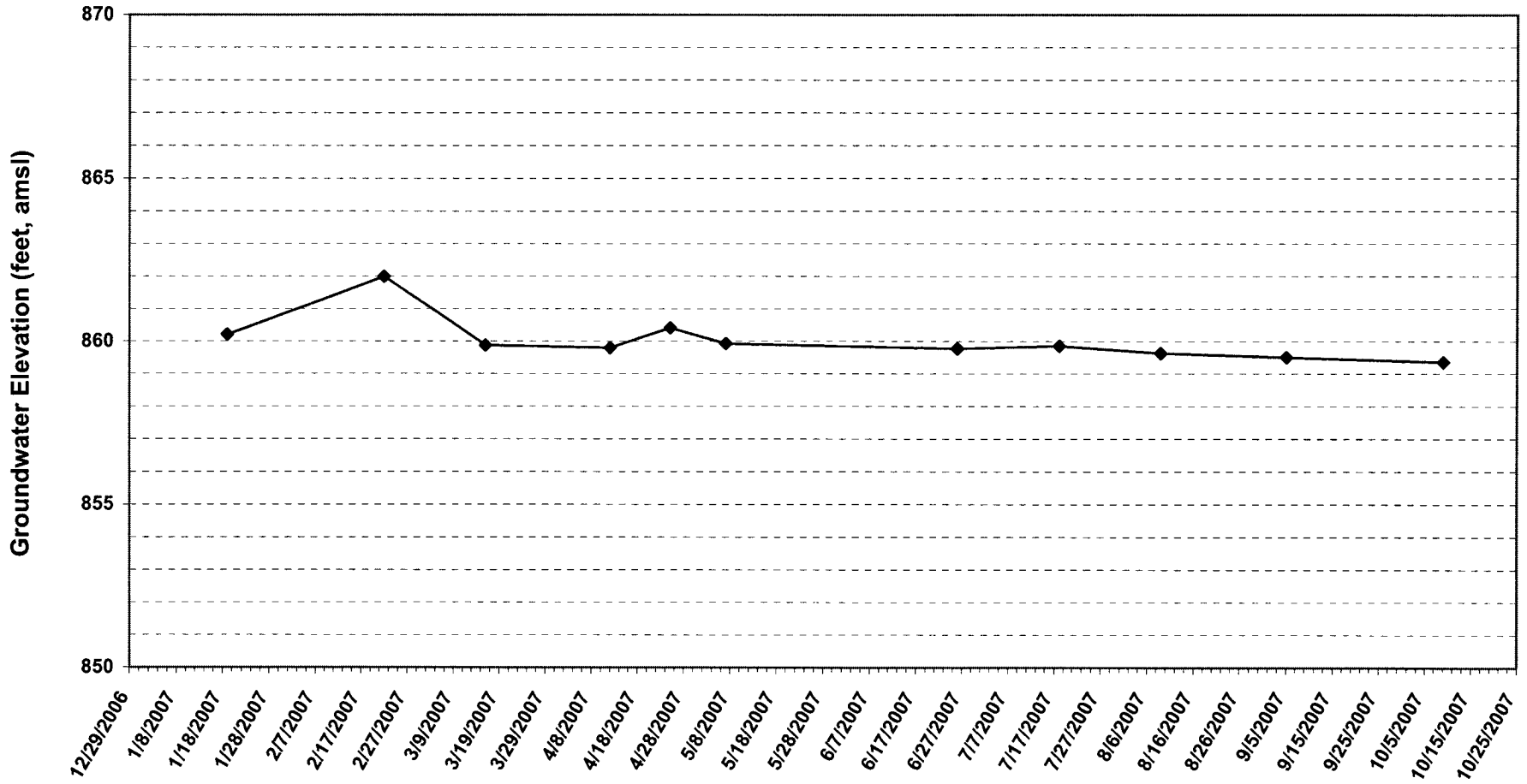


FIGURE 1-45
APP-9 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

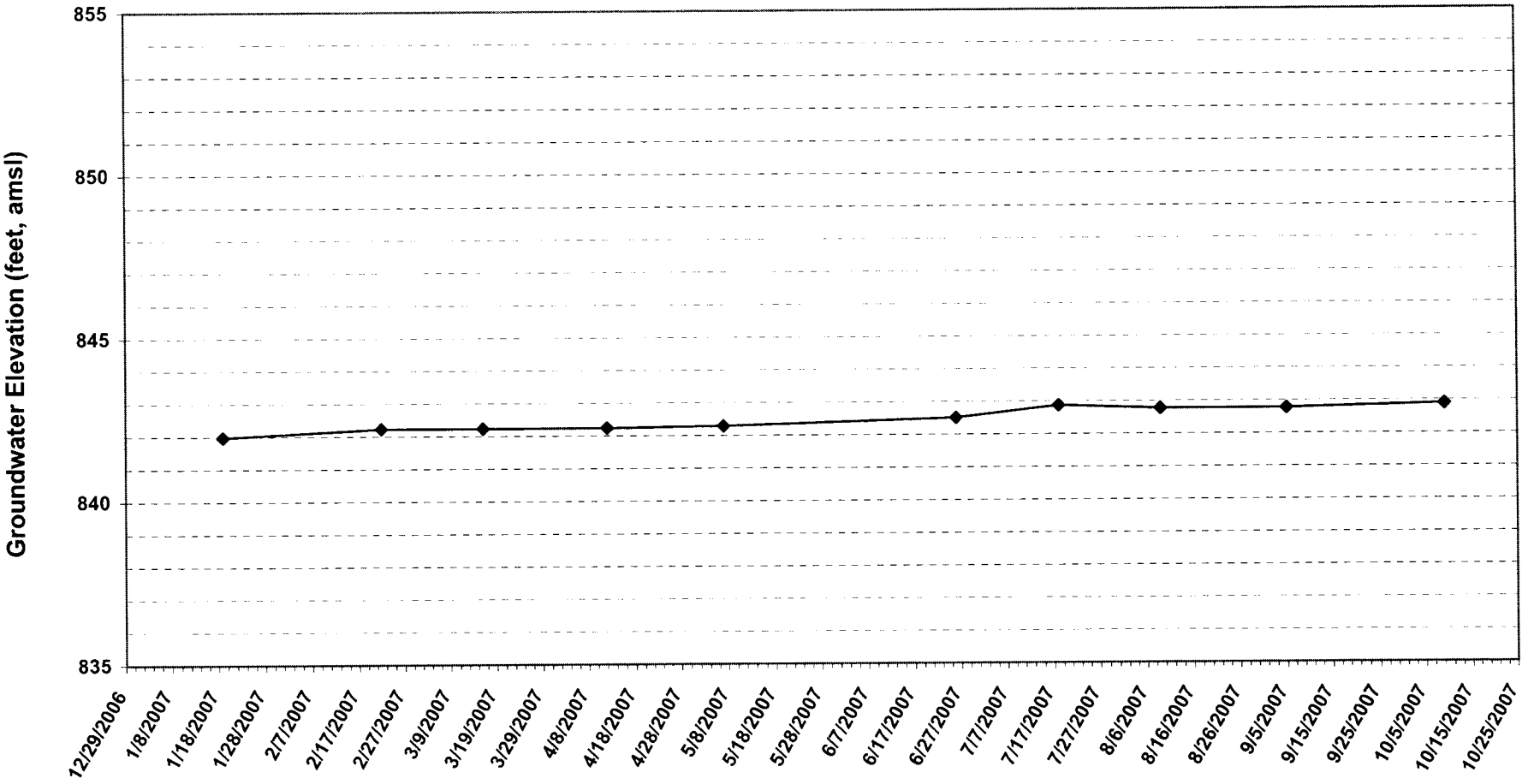


FIGURE 1-46
APP-10 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

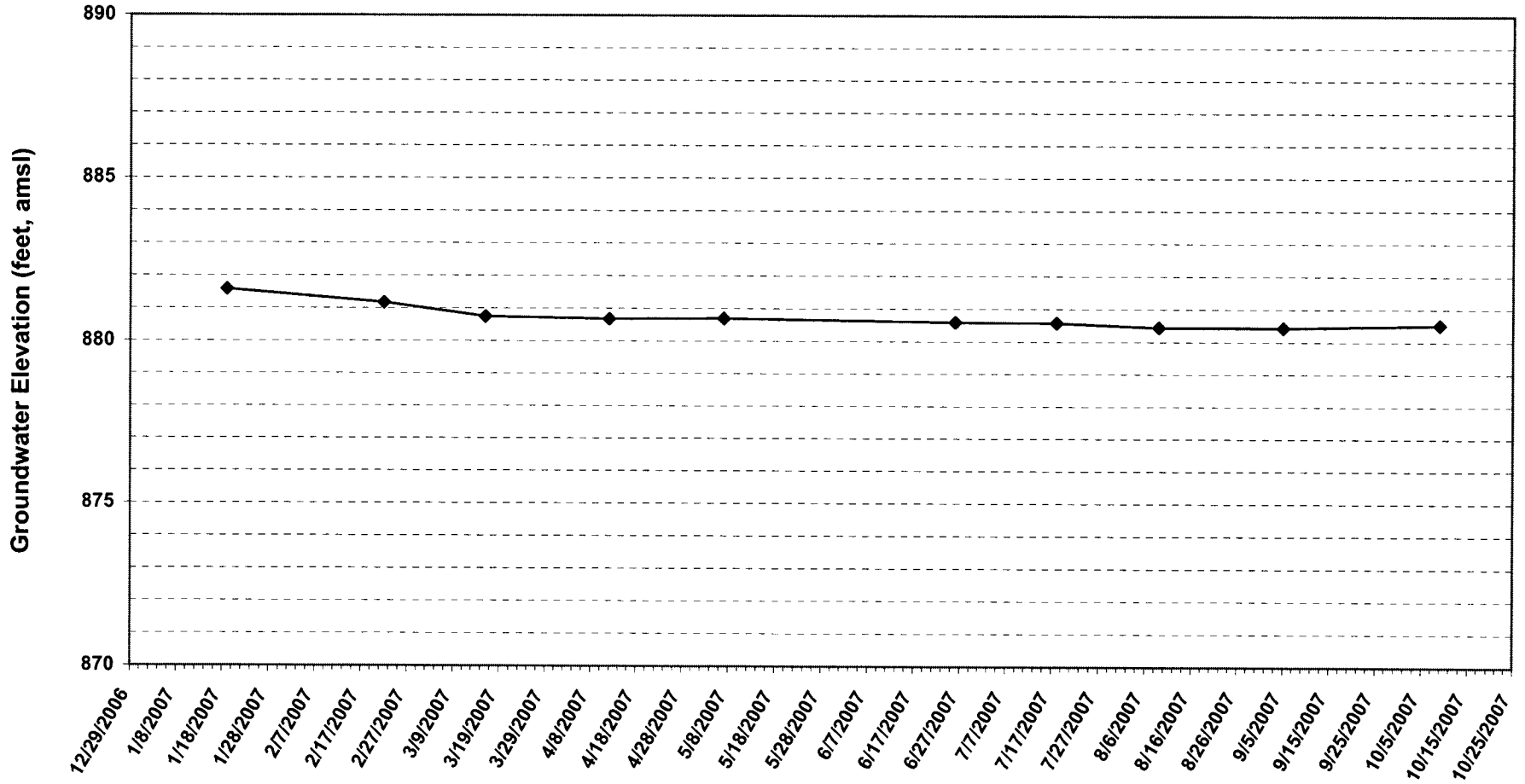


FIGURE 1-47
APP-11 Groundwater Elevations
PALO VERDE NUCLEAR GENERATING STATION

APPENDIX A

ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

NUCLEAR GENERATING STATION

ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT 2007

(Reference: RCTSAI 1643, Legacy Item No. 036843.01)

Prepared by:_____

Reviewed by:_____

Approved by:_____
Director, Radiation Protection

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ABSTRACT

The Radiological Environmental Monitoring Program (REMP) is an ongoing program conducted by Arizona Public Service Company (APS) for the Palo Verde Nuclear Generating Station (PVNGS). Various types of environmental samples are collected near PVNGS and analyzed for plant related radionuclide concentrations.

During 2007, the following categories of samples were collected by APS:

- Broad leaf vegetation
- Groundwater
- Drinking water
- Surface water
- Airborne particulate and radioiodine
- Goat milk
- Sludge and sediment

Thermoluminescent dosimeters (TLDs) were used to measure environmental gamma radiation. The Environmental TLD program is also conducted by APS.

The Arizona Radiation Regulatory Agency (ARRA) performs radiochemistry analyses on various duplicate samples provided to them by APS. Samples analyzed by ARRA include onsite samples from the Reservoir, two (2) Evaporation Ponds, and two (2) deep wells. Offsite samples analyzed by ARRA include two (2) local resident wells. ARRA also performs air sampling at seven (7) offsite locations identical to APS and maintains approximately fifty (50) environmental TLD monitoring locations, eighteen (18) of which are duplicates of APS locations.

A comparison of pre-operational and operational data indicates no changes to environmental radiation levels.

Low level tritium was discovered in subsurface water onsite (not considered potable) in February 2006 at Unit 3. A significant investigation was initiated to determine the source of the water, the extent of the condition, and corrective actions to protect groundwater. See Section 2.4 for a detailed description of this event.

(NOTE: Reference to APS throughout this report refers to PVNGS personnel)

OPERATIONAL RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

1. Introduction

This report presents the results of the operational radiological environmental monitoring program conducted by Arizona Public Service Company (APS). The Radiological Environmental Monitoring Program (REMP) was established for the Palo Verde Nuclear Generating Station (PVNGS) by APS in 1979. The REMP is performed in accordance with the federal requirements to provide a complete environmental monitoring program for nuclear reactors, and with concern for maintaining the quality of the local environment. The program complies with the requirements of 10 CFR 50, Appendix I, PVNGS Technical Specifications, and with the guidance provided by the US Nuclear Regulatory Commission (USNRC) in their Radiological Assessment Branch Technical Position on Environmental Monitoring, Revision 1, November 1979.

This report contains the measurements and findings for 2007. All references are specifically identified in Section 12.

The objectives of the REMP are as follows: 1) to determine baseline radiation levels in the environs prior to plant operation and to compare the findings with measurements obtained during reactor operations; 2) to monitor potential critical pathways of radio-effluent to the public; and 3) to determine radiological impacts on the environment caused by the operation of PVNGS.

Results from the REMP help to evaluate sources of elevated levels of radioactivity in the environment (e.g., atmospheric nuclear detonations or abnormal plant releases).

Results of the PVNGS pre-operational environmental monitoring program are presented in Reference 1.

The initial criticality of Unit 1 occurred May 25, 1985. Initial criticality for Units 2 and 3 were April 18, 1986, and October 25, 1987, respectively. PVNGS operational findings (historical) are presented in Reference 2.

2. Description of the Monitoring Program

APS and vendor organizations performed the pre-operational radiological environmental monitoring program, which began in 1979. APS and vendors continued the program into the operational phase.

2.1. 2007 PVNGS Radiological Environmental Monitoring Program

The assessment program consists of routine measurements of background gamma radiation and of radionuclide concentrations in media such as air, groundwater, drinking water, surface water, vegetation, milk, sludge, and sediment.

Samples were collected by APS at the monitoring sites shown in Figures 2.1 and 2.2. The specific sample types, sampling locations, and sampling frequencies, as set forth in the PVNGS Offsite Dose Calculation Manual (ODCM), Reference 4, are presented in Tables 2.1, 2.2 and 9.1. Additional onsite sampling (outside the scope of the ODCM) is performed to supplement the REMP. All results are included in this report. Sample analyses were performed by APS at the PVNGS Central Chemistry Laboratory.

Background gamma radiation measurements were performed by APS using TLDs at fifty (50) locations near PVNGS.

In addition to monitoring environmental media, a land use census is performed annually to identify the nearest milk animals, residents, and gardens. This information is used to evaluate the potential dose to members of the public for those exposure pathways that are indicated.

2.2. Radiological Environmental Monitoring Program Changes for 2007

- The control goat milk sample location (Site #53) was changed in June. The previous sample location became permanently unavailable.
- The two indicator vegetation sample locations (Site #47, 52) were changed in June. The previous sample locations no longer meet the garden criteria.
- A new 45 acre Reservoir was constructed at the Water Reclamation Facility and was added to the REMP (Site #61).
- A TLD was placed at a new school (Site #43) in the 4th quarter.

Refer to Table 2.1 for a description of all current sample locations (except TLDs).

2.3. REMP Deviations/Abnormal Events Summary

During calendar year 2007, there were eight (8) deviations/abnormal events with regard to the monitoring program. Refer to Table 2.3 for more detail and any corrective actions taken.

- The Water Reclamation Facility influent I-131 concentration exceeded 100 pCi/liter the week of 1-16-07.
- The goat milk sample from 4-13-07 did not meet the required I-131 LLD.
- The air sample from Site #21 for particulate gross beta analysis was invalidated the week of 1/9-1/16.
- The air sample from Site #14A for particulate gross beta and radioiodine analysis was invalid the week of 3/13-3/19.
- The air sample from Site #15 for particulate gross beta and radioiodine analysis was invalid the week of 8/28-9/4.
- The air sample from Site #6A for particulate gross beta and radioiodine analysis was invalid the week of 9/18-9/24.
- The air sample from Site #4 for particulate gross beta analysis was invalidated the week of 9/24-10/2.
- The air sample from Site #40 for particulate gross beta and radioiodine analysis was invalid the two-week period of 10/29-11/13.

2.4. Significant Investigation Regarding Groundwater Protection (Follow-Up from 2006 AREOR)

NOTE: Although not part of the REMP, this information is being provided due to the identification of measurable licensed radioactive material in the onsite environs (within the Radiological Controlled Area) and heightened sensitivity to communicate the potential to affect groundwater.

On February 15, 2006 Palo Verde personnel observed water leakage into the Unit 2 Essential Pipe Density Tunnel through the 'B' Spray Pond (SP) supply line penetration seal (documented on Significant CRDR No. 2869959).

The direct root cause of the elevated levels of tritium in subsurface water samples from Unit 3 cannot be identified. The sources of the tritium come from washout and localized small volume spills. There is no evidence at this time that supports the presence of a system leak.

The washout described in the preceding paragraph is historical. It is due to past operations of the Boric Acid Concentrator (BAC) during rain and wash down of roofs or washout from rain during times when tritium condensation from the ventilation system was present.

Atmospheric modeling, conducted as part of the investigation, does not support that rain washout of tritium is the source of the subsurface tritiated water accumulation at identified concentrations, with **current** operating conditions (not allowing BAC operations during periods of rain).

Contributing causes of the condition in Unit 3 are the composition of the backfill and above ground grading and paving of the Unit 3 RCA yard.

There is no indication that tritiated water has reached any aquifer. No Technical Specification effluent limits have been exceeded nor have any Offsite Dose Calculation Manual (ODCM) effluent limits been exceeded. Federal effluent limits have not been exceeded. Palo Verde has not identified any increased health or safety risk to the public or onsite personnel due to this condition. The condition report is classified as significant by management direction due to recent industry events and public trust issues.

Corrective actions are ongoing and include the installation of several monitoring wells in the RCA at all three Units. These monitoring wells are routinely sampled for radiological analyses.

Table 2.1 SAMPLE COLLECTION LOCATIONS

SAMPLE SITE #	*SAMPLE TYPE*	*LOCATION (a)*	*LOCATION DESCRIPTION*
4	air	E16	APS Office
6A*	air	SSE13	Old US 80
7A	air	ESE3	Arlington School
14A	air	NNE2	371st Ave. and Buckeye-Salome Rd.
15	air	NE2	NE Site Boundary
17A	air	E3	351st Ave.
21	air	S3	S Site Boundary
29	air	W1	W Site Boundary
35	air	NNW8	Tonopah
40	air	N2	Transmission Rd
46	drinking water	NNW8	Wirth residence
47	vegetation	NNE3 **(b)**	Garden of Eatin **(replaced McCoy residence as of June)**
48	drinking water	SW1	Berryman residence
49	drinking water	N2	Sandoval residence
51	milk	NE4	Painter residence-goats
52	vegetation	ENE3 **(b)**	Wright residence **(replaced Branch residence as of June)**
53*	milk	NE30 **(b)**	Martin residence- goats **(replaced Adams residence as of June)**
54	milk	NNE4	Hernandez residence-goats
55	drinking water (supplemental)	SW3	Gavette residence
57	groundwater	ONSITE	Well 27ddc
58	groundwater	ONSITE	Well 34abb
59	surface water	ONSITE	Evaporation Pond #1
60	surface water	ONSITE	80 acre Reservoir
61	surface water	ONSITE**(b)**	45 acre Reservoir **(new location)**
62*	vegetation	ENE26	Duncan Family Farms
63	surface water	ONSITE	Evaporation Pond #2

NOTES:

* Designates a control site

(a) Distances and direction are from the center-line of Unit 2 containment and rounded to the nearest mile

(b) Denotes a change in location or a new sample location

Air sample sites designated with the letter 'A' are sites that have the same site number as a TLD location, but are not in the same location (e.g. site #**6** TLD location is different from site #**6A** air sample location; site #**4** TLD location is the same as site #**4** air sample location)

Table 2.2 SAMPLE COLLECTION SCHEDULE

SAMPLE SITE #	*AIR PARTICULATE*	*MILK*	*AIRBORNE RADIOIODINE*	*VEGETATION*	*GROUND WATER*	*DRINKING WATER*	*SURFACE WATER*
4	W		W				
6A	W		W				
7A	W		W				
14A	W		W				
15	W		W				
17A	W		W				
21	W		W				
29	W		W				
35	W		W				
40	W		W				
46						W	
47				M/AA			
48						W	
49						W	
51		M/AA					
52				M/AA			
53		M/AA					
54		M/AA					
55						W	
57					Q		
58					Q		
59							W
60							W
61							W
62				M/AA			
63							W

W = WEEKLY M/AA = MONTHLY AS AVAILABLE Q = QUARTERLY

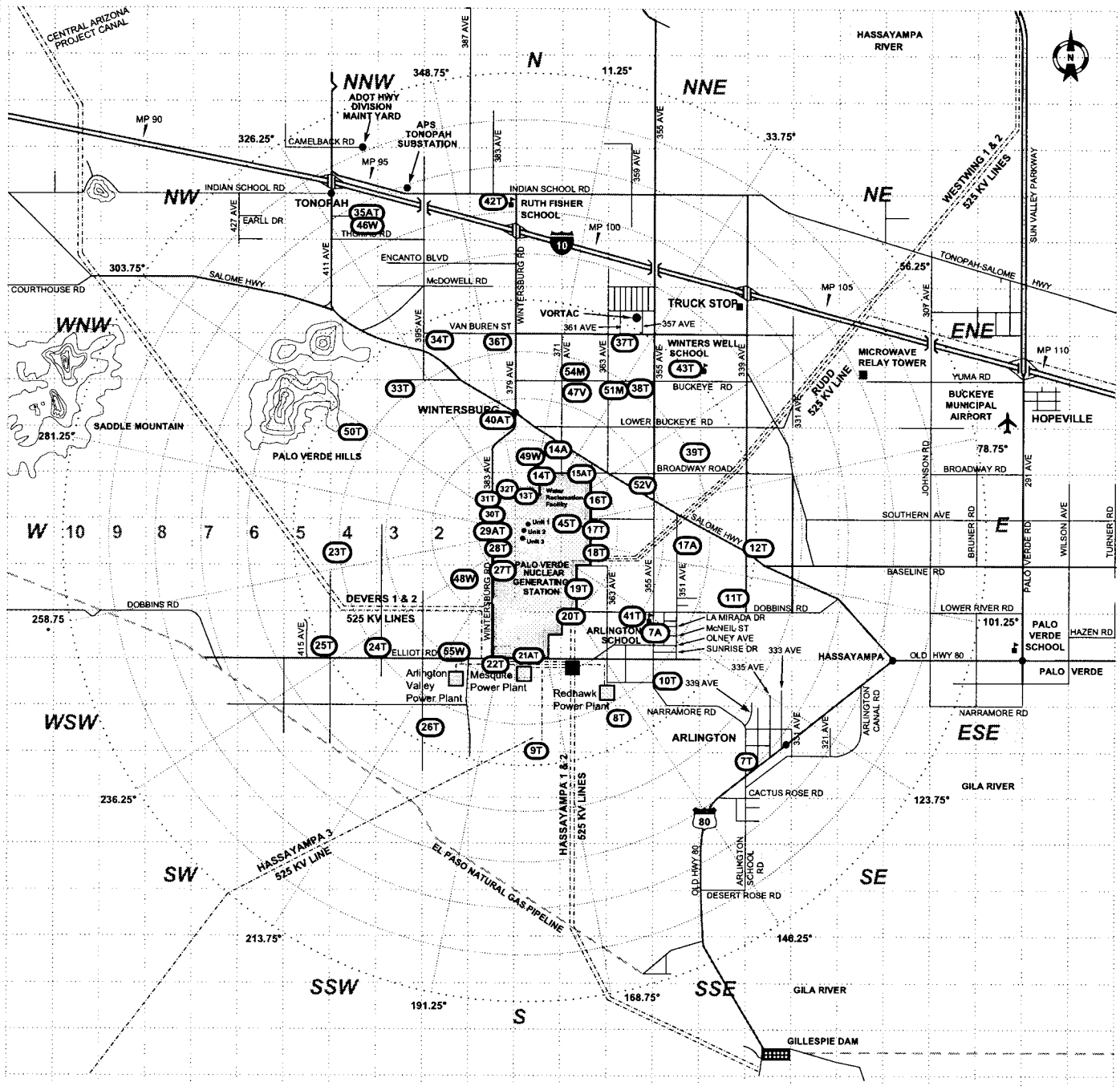
TABLE 2.3 SUMMARIES OF REMP DEVIATIONS/ABNORMAL EVENTS

Deviation/Abnormal Event	Actions taken
1. The Water Reclamation Facility influent I-131 concentration exceeded 100 pCi/liter (actual concentration was 108 pCi/liter) the week of 1-16-07.	1. Phoenix sewage effluent is the supply for this water and is known to contain radiopharmaceutical I-131. The Arizona Radiation Regulatory Agency is notified when this source of water exceeds an I-131 concentration of 100 pCi/liter (the threshold is exceeded on an infrequent basis). This is considered a courtesy notification (not regulatory) and no further action is required.
2. The goat milk sample from 4-13-07 did not meet the required I-131 LLD.	2. The available sample volume was one-half the volume required to meet the I-131 LLD of 1.0 pCi/liter (actual volume was 500 ml and the MDA was 2 pCi/liter). The decision was made to analyze the available sample because the other required LLDs for gamma emitting radionuclides could be met (the alternative would have been to *not* analyze the sample due to inadequate volume, resulting in no data for this sample period). This is not an adverse condition and no further actions are required.
3. The air sample from Site #21 for particulate gross beta analysis was invalidated the week of 1/9-1/16.	3. There was a verified power outage during the week. The sample result at this location was abnormally high when compared to all other sample locations. The sample result was invalidated due to the anomalous result. Data from this location both the week prior to and after this sample period were acceptable. No further actions are required.
4. The air sample from Site #14A for particulate gross beta and radioiodine analysis was invalid the week of 3/13-3/19.	4. Power to this sample location had been disconnected on 3/9. The local utility office was contacted and power was restored. Subsequent sample results were acceptable. No further actions are required.

TABLE 2.3 SUMMARIES OF REMP DEVIATIONS/ABNORMAL EVENTS

Deviation/Abnormal Event	Actions taken
5. The air sample from Site #15 for particulate gross beta and radioiodine analysis was invalid the week of 8/28-9/4.	5. The air sample pump failed so the samples were invalidated as it was not possible to determine the sample volume. Subsequent sample results were acceptable. No further actions are required.
6. The air sample from Site #6A for particulate gross beta and radioiodine analysis was invalid the week of 9/18-9/24.	6. A power outage resulted in the inability to determine the sample volume so the samples were invalidated. Subsequent sample results were acceptable. No further actions are required.
7. The air sample from Site #4 for particulate gross beta analysis was invalidated the week of 9/24-10/2.	7. The sample result was 0.020 pCi/m^3 (nearly 50% less than the other nine sample locations) with a RSD of 15.2 % for the week. The cause of the lower value was indeterminate, so the sample result was invalidated. Subsequent sample results were acceptable. No further actions are required.
8. The air sample from Site #40 for particulate gross beta and radioiodine analysis was invalid the two-week period of 10/29-11/13.	8. A power outage resulted in the inability to determine the sample volume so the samples were invalidated. Subsequent sample results were acceptable. No further actions are required

FIGURE 2.1



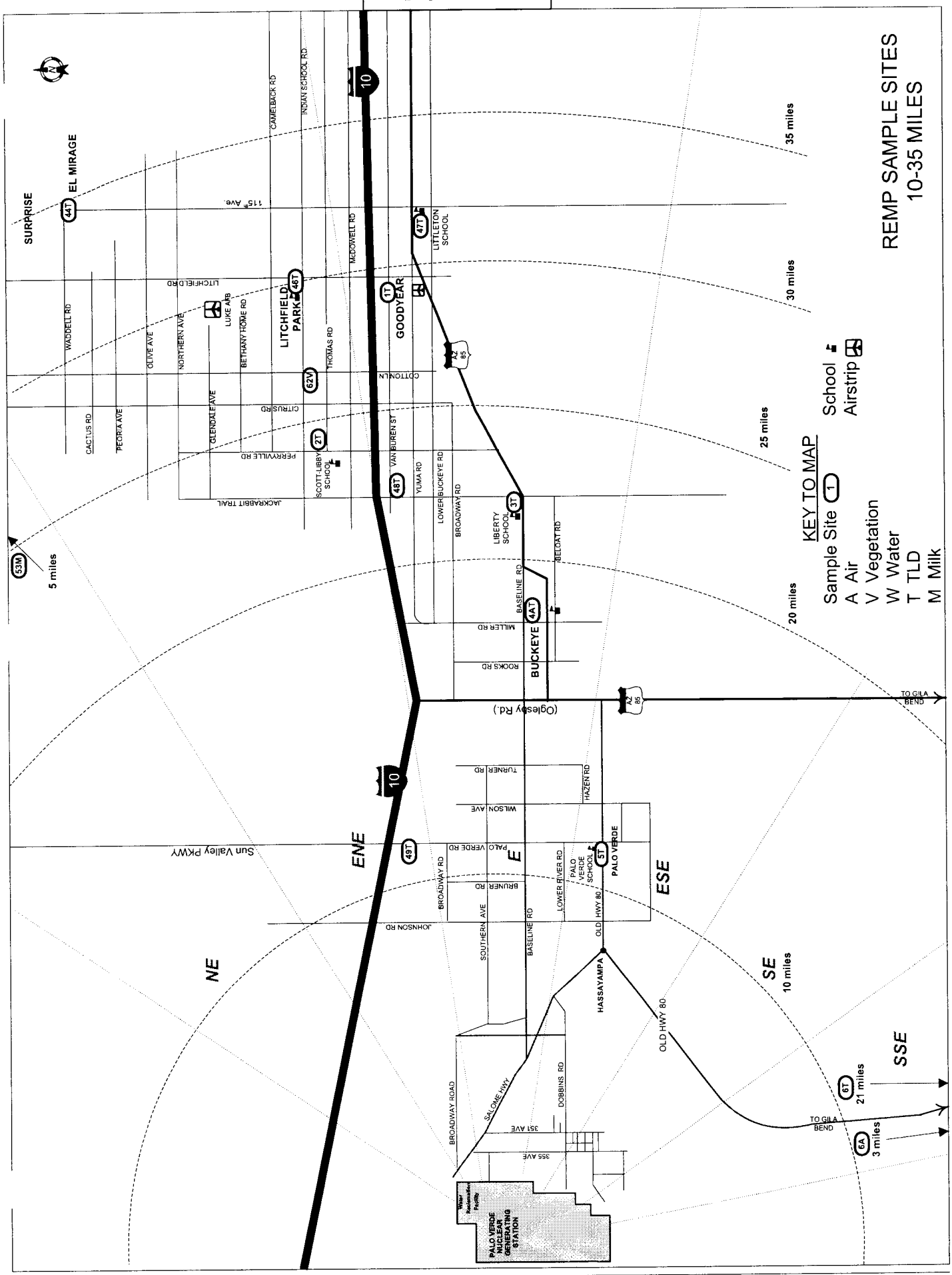
KEY TO MAP

Sample Site (1)
A Air
V Vegetation
W Water
T TLD
M Milk

School
Airstrip

REMP SAMPLE SITES
0-10 MILES

FIGURE 2.2


REMP SAMPLE SITES
10-35 MILES
KEY TO MAP
Sample Site
A Air
V Vegetation
W Water
T TLD
M Milk
School
Airstrip
35 miles
30 miles
25 miles
20 miles
10 miles
5 miles
21 miles
3 miles
SURPRISE
EL MIRAGE
LITCHFIELD PARK
GOODYEAR
LITTLETON SCHOOL
LIBERTY SCHOOL
BUCKEYE
PALO VERDE
HASSAYAMPA
SCOTT-LIBBY SCHOOL
PALO VERDE SCHOOL
LUKE AFB
PALO VERDE NUCLEAR GENERATING STATION
Sun Valley PKWY
(Oglesby Rd.)
TO GILA BEND
NE
ENE
E
ESE
SE
SSE
115th Ave.
LITCHFIELD RD
WADDELL RD
CACTUS RD
PEORIA AVE
OLIVE AVE
NORTHERN AVE
GLENDALE AVE
BETHANY HOME RD
THOMAS RD
McDOWELL RD
CAMELBACK RD
INDIAN SCHOOL RD
CITRUS RD
PERRYVILLE RD
JACKRABBIT TRAIL
COTTON LN
VAN BUREN ST
YUMA RD
LOWER BUCKEYE RD
BROADWAY RD
BASELINE RD
BELOAT RD
MILLER RD
ROOKS RD
TURNER RD
WILSON AVE
HAZEN RD
PALO VERDE RD
BRUNER RD
LOWER RIVER RD
OLD HWY 80
JOHNSON RD
SOUTHERN AVE
BROADWAY ROAD
SALOME HWY
DOBBINS RD
351 AVE
355 AVE
10
10
A2 85
A2 85
44T
46T
47T
1T
62V
2T
48T
3T
4AT
49T
5T
6T
6A
53M

3. Sample Collection Program

APS personnel using PVNGS procedures collected all samples.

3.1. Water

Weekly samples were collected from the in-service (45 or 80 acre) Reservoir, Evaporation Pond #1, Evaporation Pond #2, and four (4) residence wells. Samples were collected in one-gallon containers and 500 ml glass bottles. One liter from each weekly one-gallon sample was added to a monthly composite, which is preserved with nitric acid (HNO_3). The composite samples were then analyzed for gamma emitting radionuclides. Residence wells were also analyzed for gross beta activity. Weekly grab samples in glass bottles were composited quarterly and analyzed for tritium.

Quarterly grab samples were collected from onsite wells 34abb and 27ddc. Samples were collected in one-gallon containers and 500 ml glass bottles. Samples were analyzed for gamma emitting radionuclides and tritium.

Treated sewage effluent from the City of Phoenix was sampled as a weekly composite at the onsite Water Reclamation Facility (WRF), and analyzed for gamma emitting radionuclides. A monthly composite was analyzed for tritium.

3.2. Vegetation

Vegetation samples were collected monthly, as available, and were analyzed for gamma emitting radionuclides.

3.3. Milk

Goat milk samples were collected monthly, as available, and were analyzed for gamma emitting radionuclides, including low level I-131.

3.4. Air

Air particulate filters and charcoal cartridges were collected at ten (10) sites on a weekly basis. Particulate filters were analyzed for gross beta. Charcoal cartridges were analyzed for I-131. Particulate filters were composited quarterly, by location, and analyzed for gamma emitting radionuclides.

3.5. Sludge and Sediment

Sludge samples were obtained weekly from the WRF waste centrifuge (whenever the plant was operational) and analyzed for gamma emitting radionuclides. Samples were collected using 1 liter containers.

Cooling tower sludge was analyzed for gamma emitting radionuclides prior to disposal in the WRF sludge landfill.

Bottom sediment/sludge samples were obtained from Evaporation Pond #1 and Evaporation Pond #2 and analyzed for gamma emitting radionuclides.

4. Analytical Procedures

The procedures described in this report are those used by APS to routinely analyze samples.

4.1. Air Particulate

4.1.1. Gross Beta

A glass fiber filter sample is placed in a stainless steel planchet and counted for gross beta activity utilizing a low background gas flow proportional counter.

4.1.2. Gamma Spectroscopy

The glass fiber filters are counted on a multichannel analyzer equipped with an HPGe detector. The resulting spectrum is analyzed by a computer for specific radionuclides.

4.2. Airborne Radioiodine

The charcoal cartridge is counted on a multichannel analyzer equipped with an HPGe detector. The resulting spectrum is analyzed by a computer for I-131.

4.3. Milk

4.3.1. Gamma Spectroscopy

The sample is placed in a plastic marinelli beaker and counted on a multichannel analyzer equipped with an HPGe detector. The resulting spectrum is analyzed by a computer for specific radionuclides.

4.4. Vegetation

4.4.1. Gamma Spectroscopy

The sample is pureed in a food processor, placed in a one liter plastic marinelli beaker, weighed, and counted on a multichannel analyzer equipped with an HPGe detector. The resulting spectrum is analyzed by a computer for specific radionuclides.

4.5. Sludge/Sediment

4.5.1. Gamma Spectroscopy

The wet sample is placed in a one-liter plastic marinelli beaker, weighed, and counted on a multichannel analyzer equipped with an HPGe detector. The resulting spectrum is analyzed by a computer for specific radionuclides.

4.6. Water

4.6.1. Gamma Spectroscopy

The sample is placed in a one-liter plastic marinelli beaker and counted on a multichannel analyzer equipped with an HPGe detector. The resulting spectrum is analyzed by a computer for specific radionuclides.

4.6.2. Tritium

The sample is evaluated to determine the appropriate method of preparation prior to counting. If the sample contains suspended solids or is turbid, it may be filtered, distilled, and/or de-ionized, as appropriate. Eight (8) milliliters of sample are mixed with fifteen (15) milliliters of liquid scintillation cocktail. The mixture is dark adapted and counted for tritium activity using a liquid scintillation counting system.

4.6.3. Gross Beta

A 200-250 milliliter sample is placed in a beaker. Five (5) milliliters of concentrated nitric (HNO_3) acid is added and the sample is evaporated down to about twenty (20) milliliters. The remaining sample is transferred to a stainless steel planchet. The sample is heated to dryness and counted for gross beta in a gas flow proportional counter.

4.7. Soil

4.7.1. Gamma Spectroscopy

The samples are sieved, placed in a one-liter plastic marinelli beaker, and weighed. The samples are then counted on a multichannel analyzer equipped with an HPGe detector. The resulting spectrum is analyzed by a computer for specific radionuclides.

5. Nuclear Instrumentation

5.1. Gamma Spectrometer

The Canberra Gamma Spectrometer consists of a Canberra System equipped with HPGe detectors having resolutions of 1.73 keV and 1.88 keV (as determined by full width half max with an energy of 0.5 keV per channel) and respective efficiencies of 21.5% and 38.4% (as determined by the manufacturer with Co-60). The Canberra System is used for all gamma counting. The system uses Canberra developed software to search, identify, and quantify the peaks of interest.

5.2. Liquid Scintillation Spectrometer

A Beckman LS-6500 Liquid Scintillation Counter is used for tritium determinations. The system background averages approximately 15-17 cpm with a counting efficiency of approximately 40% using a quenched standard.

5.3. Gas Flow Proportional Counter

The Tennelec S5E is a low background gas flow proportional counter for gross beta analysis. The system contains an automatic sample changer capable of counting 50 samples in succession. Average beta background count rate is about 1-2 cpm with a beta efficiency of approximately 30% for Cs-137.

6. Isotopic Detection Limits and Reporting Criteria

6.1. Lower Limits of Detection

The lower limits of detection (LLD) and the method for calculation are specified in the PVNGS ODCM, Reference 4. The ODCM required *a priori* LLDs are presented in Table 6.1. For reference, *a priori* LLDs are indicated at the top of data tables for samples having required LLD values.

6.2. Data Reporting Criteria

All results that are greater than the Minimum Detectable Activity (MDA) (a posteriori LLD) are reported as positive activity with its associated 2σ counting error. All results that are less than the MDA are reported as less than values at the associated MDA. For example, if the MDA is 12 pCi/liter, the value is reported as <12.

Typical MDA values are presented in Table 6.3.

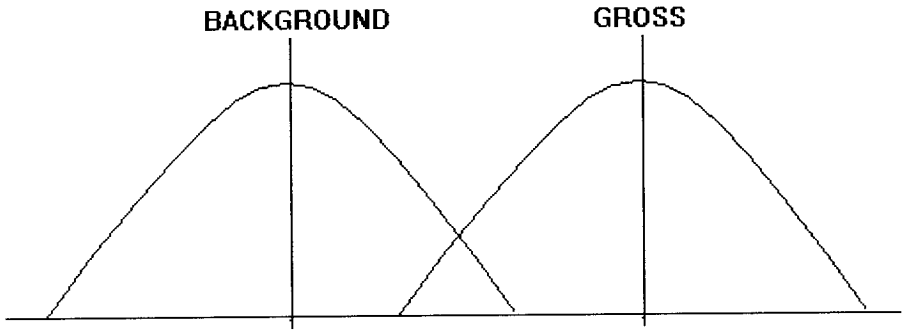
Occasionally, the PVNGS ODCM *a priori* LLDs may not be achieved as a result of:

- Background fluctuations
- Unavoidably small sample sizes
- The presence of interfering radionuclides
- Self absorption corrections
- Decay corrections for short half-life radionuclides
- Other uncontrollable circumstances

In these instances, the contributing factors will be noted in the table where the data are presented. A summary of deviations/abnormal events is presented in Table 2.3 and includes a description of any sample results that did not meet *a priori* LLD requirements.

6.3. LLD and Reporting Criteria Overview

Making a reasonable estimate of the limits of detection for a counting procedure or a radiochemical method is usually complicated by the presence of significant background. It must be considered that the background or blank is not a fixed value but that a series of replicates would be normally distributed. The desired net activity is the difference between the gross and background activity distributions. The interpretation of this difference becomes a problem if the two distributions intersect as indicated in the diagram.



If a sufficient number of replicate analyses are run, it is expected that the results would fall in a normal Gaussian distribution. Standard statistics allow an estimate of the probability of any particular deviation from the mean value. It is common practice to report the mean ± one or two standard deviations as the result. In routine analysis, such replication is not carried out, and it is not possible to report a Gaussian standard deviation. With counting procedures, however, it is possible to estimate a Poisson standard deviation directly from the count. Data are commonly reported as the measured value ± one or two Poisson standard deviations. The reported values are then considered to give some indication of the range in which the true value might be expected to occur.

A LLD is the smallest amount of sample activity that will yield a net count for which there is confidence at a predetermined level that activity is present. LLDs are calculated values for individual radionuclides based on a number of different factors including sample size, counting efficiency and background count rate of the instrument, the background and sample counting time, the decay time, and the chemical recovery of the analytical procedures. A minimum detectable activity value (MDA) is the smallest amount of activity that can be detected in an actual sample and uses the values obtained from the instrument and outcome of the analytical process. Therefore, the MDA values may differ from the calculated LLD values if the sample size and chemical recovery, decay values, or the instrument efficiency, background, or count time differed from those used in the LLD calculation.

The factors governing the calculation of the LLD and MDA values are discussed below:

1. Sample Size

2. Counting Efficiency

The fundamental quantity in the measurement of a radioactive substance is the number of disintegrations per unit time. As with most physical measurements in analytical chemistry, an absolute measurement of the disintegration rate is seldom possible, rather it is necessary to compare the sample with one or more standards. The standards determine the counter efficiency that may then be used to convert sample counts per minute (cpm) to disintegrations per minute (dpm).

3. Background Count Rate

Any counter will show a certain counting rate without a sample in position. This background counting rate comes from several sources: 1) natural environmental radiation from the surrounding materials, 2) cosmic radiation, and 3) the natural radioactivity in the counter material itself. The background counting rate will depend on the amounts of these types of radiation and the sensitivity of the counter to the radiation.

4. Background and Sample Counting Time

The amount of time devoted to the counting of the background depends on the level of activity being measured. In general, with low level samples, this time should be about equal to that devoted to counting a sample.

5. Time Interval between Sample Collection and Counting

Decay measurements are useful in identifying certain short-lived nuclides. The disintegration constant is one of the basic characteristics of a specific radionuclide and is readily determined, if the half-life is sufficiently short. To ensure the required LLDs are achieved, appropriate decay correction values are used to account for radioactive decay during transit time and sample processing.

Table 6.1 ODCM REQUIRED LOWER LIMITS OF DETECTION (*a priori*)

ANALYSIS/ NUCLIDE	WATER (pCi/liter)	AIRBORNE PARTICULATE or GAS (pCi/m^3)	MILK (pCi/liter)	VEGETATION (pCi/kg, wet)
Gross Beta	4	0.01		
H-3	2000*			
Mn-54	15			
Fe-59	30			
Co-58, 60	15			
Zn-65	30			
Zr-95	30			
Nb-95	15			
I-131	1**	0.07	1	60
Cs-134	15	0.05	15	60
Cs-137	18	0.06	18	80
Ba-140	60		60	
La-140	15		15	

NOTES:

* If no drinking water pathway exists, a value of 3000 pCi/liter may be used.
** If no drinking water pathway exists, a value of 15 pCi/liter may be used.

This list does not mean that only these nuclides are to be detected and reported. Other peaks that are measurable and identifiable, together with the above nuclides, shall also be identified and reported.

Table 6.2 ODCM REQUIRED REPORTING LEVELS

ANALYSIS/ NUCLIDE	WATER (pCi/liter)	AIRBORNE PARTICULATE or GAS (pCi/m^3)	MILK (pCi/liter)	VEGETATION (pCi/kg, wet)
H-3	20,000*			
Mn-54	1,000			
Fe-59	400			
Co-58	1,000			
Co-60	300			
Zn-65	300			
Zr/Nb-95	400			
I-131	2**	0.9	3	100
Cs-134	30	10	60	1,000
Cs-137	50	20	70	2,000
Ba/La-140	200		300	

NOTES:

* For drinking water samples. This is a 40CFR141 value. If no drinking water pathway exists, a value of 30,000 pCi/liter may be used.

** If no drinking water pathway exists, a reporting level of 20 pCi/liter may be used.

The values in this table are (calendar) quarterly average values, as stated in the ODCM.

Table 6.3 TYPICAL MDA VALUES

ANALYSIS/ NUCLIDE	WATER (pCi/liter)	MILK (pCi/liter)	AIRBORNE PARTICULATE or GAS (pCi/m^3)	VEGETATION (pCi/kg, wet)
Gross Beta	2.2		0.003	
H-3	277			
Mn-54	15			
Fe-59	25			
Co-58	13			
Co-60	13			
Zn-65	27			
Zr-95	23			
Nb-95	14			
I-131	11 [a]	1	0.05 [b]	39
Cs-134	13	1	0.02 [b]	33
Cs-137	13	1	0.02 [b]	59
Ba-140	45	4		
La-140	15	1		

NOTES:

a - low level I-131 is not required since there is no drinking water pathway
b - Based on 433 m^3 volume

7. Interlaboratory Comparison Program

7.1. Quality Control Program

APS maintains an extensive QA/QC Program to provide assurance that samples are collected, handled, tracked, and analyzed to specified requirements. This program includes appropriate elements of USNRC Regulatory Guide 4.15, Quality Assurance for Radiological Monitoring Programs (Normal Operations) - Effluent Streams and the Environment, Rev. 1. Included in the program are procedures for sample collection, preparation and tracking, sample analysis, equipment calibration and checks, and ongoing participation in an interlaboratory comparison program. Duplicate/replicate samples are analyzed to verify analytical precision and sample methodology. Comprehensive data reviews are performed including trending of data where appropriate.

During 2007, APS analyzed the following sample types under the interlaboratory comparison program;

- Beta/Gamma/ in Air Filter
- I-131 in Air
- Beta in Water
- Gamma in Water
- Tritium in Water
- Gamma in Milk

7.2. Intercomparison Results

APS participates in a crosscheck program using vendor supplied blind radionuclide samples. Results for the interlaboratory comparison program are presented in Table 7.1.

TABLE 7.1 INTERLABORATORY COMPARISON RESULTS

Sample Type	Analysis Type	Nuclide	Known Value	PVNGS Value	1 sigma Error	Resolution *	Ratio	Accept/Reject
Water	Mixed Gamma E5393-111	Ce-141	160	161	7	23	1.01	Accept
		Cr-51	411	417	34	12	1.01	Accept
		Cs-134	194	166	5	33	0.86	Accept
		Cs-137	135	141	4	35	1.04	Accept
		Co-58	159	149	5	30	0.94	Accept
		Mn-54	133	131	4	33	0.98	Accept
		Fe-59	134	165	11	15	1.23	Accept
		Zn-65	268	297	9	33	1.11	Accept
		Co-60	191	174	5	35	0.91	Accept
	Tritium E5397-111	H-3	9040	7620	134	57	0.84	Accept
	Gross Beta E5392-111	gbeta	199	237	3	79	1.19	Accept
Air	Gross Beta E5394-111	gbeta	76.1	91	1.13	81	1.20	Accept
	Iodine Cart E5395-111	I-131	79.1	80	2.4	33	1.01	Accept
	Mixed Gamma E5396-111	Ce-141	102	106	2	53	1.04	Accept
		Cr-51	262	282	10	28	1.08	Accept
		Cs-134	124	118	4	30	0.95	Accept
		Cs-137	86.6	99	3	33	1.14	Accept
		Co-58	102	113	4	28	1.11	Accept
		Mn-54	85	100	3	33	1.18	Accept
		Fe-59	85.5	101	4	25	1.18	Accept
		Zn-65	171	199	6	33	1.16	Accept
		Co-60	122	133	3	44	1.09	Accept

TABLE 7.1 INTERLABORATORY COMPARISON RESULTS

Sample Type	Analysis Type	Nuclide	Known Value	PVNGS Value	1 sigma Error	Resolution *	Ratio	Accept/Reject
Milk	Mixed Gamma E5398-111	I-131	34.7	33	2	17	0.95	Accept
		Ce-141	36.1	26	2	13	0.72	Accept
		Cr-51	92.5	73	9	8	0.79	Accept
		Cs-134	43.7	42	3	14	0.96	Accept
		Cs-137	30.5	30	2	15	0.98	Accept
		Co-58	35.8	35	2	18	0.98	Accept
		Mn-54	30	24	2	12	0.80	Accept
		Fe-59	30.1	26	3	9	0.86	Accept
		Zn-65	60.3	53	3	18	0.88	Accept
		Co-60	43	41	2	21	0.95	Accept

* calculated from PVNGS value/1 sigma error value

Acceptance Criteria **

Resolution	Ratio
<4	
4-7	0.5-2.0
8-15	0.6-1.66
16-50	0.75-1.33
51-200	0.80-1.25
>200	0.85-1.18

**From NRC Inspection Manual, Inspection Procedure 84750, "Radioactive Waste Treatment, And Effluent And Environmental Monitoring"

Sample Type	Analysis Type	Nuclide	PVNGS Value	Certified Value [1]	PT Acceptance Limit [2]	Results
Water 8/14/2007	Mixed gamma	Co-60	128	119	109 - 129	Accept
		Zn-65	96.7	88.6	73.3 - 104	Accept
		Ba-133	28.5	29.3	20.6 - 38	Accept
		Cs-134	46	54.3	45.6 - 63	Accept
		Cs-137	51	50.3	41.6 - 59	Accept
	Tritium	H-3	6840	8060	6660 - 9450	Accept
	Gross Beta		30.9	25.3	16.6 - 34.0	Accept
ERA RAD-69 PT Mixed Gamma Study Results						
Water 12/18/2007	Gross beta		16.3	9.73	4.26 - 18.2	Accept
ERA RAD-71 Beta PT Study Results						

[1] The certified values are verified to meet criteria as established by NIST NVLAP in Handbooks 150 and 150-19 and the USEPA in National Standards for Water Proficiency Testing Studies Criteria Document (December 30, 1998).

[2] "Acceptance Limits" have been calculated per the requirements of the USEPA in National Standards for Water Proficiency Testing Studies Criteria Document (December 30, 1998).

8. Data Interpretations and Conclusions

Associated with the analytical process are potential random and systematic errors. Systematic errors can be caused by instrument malfunctions, incomplete precipitation, back scattering, and self-absorption. Random errors are beyond the control of the analyst.

Efforts are made to minimize both systematic and random errors in the data reported. Systematic errors are minimized by performing reviews throughout the analysis. For example, instruments are checked routinely with radioactive sources, and recovery and self-absorption factors based on individual sample analyses are incorporated into the calculation equations where necessary. Random errors are reduced by comparing all data to historical data for the same site and performing comparisons between analytical results when available. In addition, when data do not appear to match historical results, analyses may be rerun on a separate aliquot of the sample to verify the presence of the activity. The acceptance of data is dependent upon the results of quality control samples and is part of the data review process for all analytical results.

The "plus or minus value" reported with each analytical result represents the counting error associated with the result and gives the 95% confidence (2σ) interval around the data.

Most samples contain radioactivity associated with natural background/cosmic radioactivity (e.g. K-40, Th-234, and Be-7). Gross beta results for drinking water and air are due to natural background. Gamma emitting radionuclides, which can be attributed to natural background sources, are not indicated in this report.

Results and interpretation of the data for all of the samples analyzed during 2007 are presented in the following sections. Assessment of pre-operational and operational data revealed no changes to environmental radiation levels. ***The only measurable impact on the environment in 2007 was the low level tritium discovered in subsurface water onsite in the RCA in 2006. See Section 2.4 for specific information.***

8.1. Air Particulates

Weekly gross beta results, in quarterly format, are presented in Tables 8.1 and 8.2. Gross beta activity at indicator locations ranged from 0.016 to 0.061 pCi/m^3. The associated counting error ranged from 0.001 to 0.004 pCi/m^3. Mean quarterly activity is calculated using weekly activity over a thirteen (13) week period. Also presented in the tables are the weekly mean values of all the sites as well as the percent relative standard deviation (RSD %) for the data. The findings are consistent with pre-operational baseline and previous operational results. The results are summarized in Table 11.1.

Table 8.3 displays the results of gamma spectroscopy on the quarterly composites. No Cs-134 or Cs-137 was observed.

8.2. Airborne Radioiodine

Tables 8.4 and 8.5 present the quarterly radioiodine results. No airborne radioiodine was observed in any of the samples.

8.3. Vegetation

Table 8.6 presents gamma isotopic data for the vegetation samples. No gamma emitting radionuclides were observed in any of the samples.

8.4. Milk

Table 8.7 presents gamma isotopic data for the goat milk samples. No gamma emitting radionuclides were observed in any of the samples.

8.5. Drinking Water

Samples were analyzed for gross beta, tritium, and gamma emitting radionuclides. Results of these analyses are presented in Table 8.8. No tritium or gamma emitting radionuclides were detected in any samples. Gross beta activity ranged from less than detectable to a high of 5.6 pCi/liter (Berryman residence, April composite).

8.6. Groundwater

Groundwater samples were analyzed for tritium and gamma emitting radionuclides. Results obtained from the analysis of the samples are presented in Table 8.9.

No tritium or gamma emitting radionuclides were observed in any of the samples.

8.7. Surface Water

Surface water samples from the Reservoirs and Evaporation Ponds were analyzed for tritium and gamma emitting radionuclides. The two Reservoirs contain processed sewage water from the City of Phoenix and are approximately 45 and 80 acres in size. The 45 acre Reservoir was constructed to allow for re-lining of the 80 acre Reservoir. The two Evaporation Ponds receive mostly circulating water from main turbine condenser cooling and are about 250 acres each. A third pond is currently under construction. Results are presented in Table 8.10. I-131 was observed in the Evaporation Ponds in five (5) of the monthly composite samples (9-23 pCi/liter) and five (5) of the Reservoir monthly composite samples (11 to 23 pCi/liter). I-131 is a result of radiopharmaceutical I-131 in the Phoenix sewage effluent.

Tritium was routinely observed in Evaporation Ponds 1 and 2. The highest concentration in Evaporation Pond #1 was 1496 pCi/liter and the highest concentration in Evaporation Pond #2 was also 2323 pCi/liter. Tritium was not identified in the

Reservoir. The tritium identified in the Evaporation Ponds has been attributed to plant gaseous effluent releases and secondary plant liquid discharges.

WRF Influent (Phoenix sewage effluent) samples collected by the WRF were analyzed for gamma emitting radionuclides and tritium. The results, presented in Table 8.10, demonstrate that I-131 was observed routinely. The highest I-131 concentration was 108 pCi/liter (week of Jan. 16th). None of the samples analyzed indicated the presence of tritium.

Table 8.10 also presents gamma spectroscopy and tritium measurements of samples collected from Sedimentation Basin #2. This basin collects rain water from site runoff and was dry for most of the year. Neither gamma emitting radionuclides nor tritium were detected in any of the three (3) samples taken in 2007.

8.8. Sludge and Sediment

8.8.1. WRF Centrifuge waste sludge

Sludge samples were obtained from the WRF centrifuge and analyzed by gamma spectroscopy. I-131 in the WRF waste centrifuge sludge is consistent with historical values and, as previously discussed, is due to radiopharmaceuticals in the WRF influent. I-131 was present in all fifty-two (52) samples ranging from 459 to 2117 pCi/kg.

In-111 was also identified in the sludge in four (4) samples. The highest concentration was 81 pCi/kg. It was previously established that In-111 is in use in the Phoenix area as a radiopharmaceutical.

Results for WRF centrifuge waste sludge can be found in Table 8.11.

8.8.2. Evaporation Ponds #1 and #2 sediment

A set of eight (8) Evaporation Pond sediment samples indicated low levels of Cs-137 ranging from <MDA to 34 pCi/kg. These results are consistent with previous samples. Sample results can be found in Table 8.11.

8.8.3. Cooling Tower sludge

Sludge/sediment originating from the Unit 1 and Unit 2 Cooling Towers and/or Circulating Water canals was disposed of in the WRF sludge landfill during 2007. Sample results can be found in Table 8.11.

8.9. Data Trends

Figures 8.1-8.4 present data in graphical format. Historical data are displayed for comparison where practical.

TABLE 8.1 PARTICULATE GROSS BETA IN AIR 1st - 2nd QUARTER

ODCM required samples denoted by *

units are pCi/m^3

1st Quarter

Week #	START DATE	STOP DATE	Site 4	Site 6A*	Site 7A	Site 14A*	Site 15*	Site 17A	Site 21	Site 29*	Site 35	Site 40*	Mean	RSD (%)
1	26-Dec-06	2-Jan-07	0.040	0.043	0.040	0.033	0.036	0.037	0.035	0.038	0.035	0.038	0.038	7.9
2	2-Jan-07	9-Jan-07	0.041	0.042	0.042	0.039	0.040	0.039	0.041	0.038	0.042	0.038	0.040	4.0
3	9-Jan-07	16-Jan-07	0.037	0.039	0.037	0.032	0.036	0.033	invalid[a]	0.035	0.034	0.033	0.035	6.6
4	16-Jan-07	23-Jan-07	0.051	0.052	0.051	0.048	0.052	0.047	0.049	0.050	0.052	0.051	0.050	3.5
5	23-Jan-07	29-Jan-07	0.043	0.045	0.041	0.038	0.042	0.042	0.038	0.041	0.038	0.04	0.041	5.8
6	29-Jan-07	5-Feb-07	0.051	0.054	0.048	0.046	0.050	0.046	0.044	0.048	0.049	0.043	0.048	6.9
7	5-Feb-07	12-Feb-07	0.045	0.049	0.047	0.043	0.044	0.045	0.044	0.043	0.042	0.044	0.045	4.6
8	12-Feb-07	20-Feb-07	0.021	0.020	0.022	0.020	0.019	0.021	0.019	0.019	0.020	0.017	0.020	7.1
9	20-Feb-07	26-Feb-07	0.019	0.019	0.020	0.018	0.019	0.018	0.018	0.017	0.017	0.016	0.018	6.6
10	26-Feb-07	5-Mar-07	0.023	0.021	0.021	0.019	0.020	0.023	0.019	0.020	0.021	0.021	0.021	6.7
11	5-Mar-07	13-Mar-07	0.041	0.045	0.042	0.045[b]	0.042	0.040	0.039	0.041	0.039	0.038	0.041	5.8
12	13-Mar-07	19-Mar-07	0.046	0.046	0.045	invalid[c]	0.044	0.043	0.041	0.043	0.044	0.044	0.044	3.6
13	19-Mar-07	26-Mar-07	0.023	0.024	0.022	0.021	0.022	0.021	0.022	0.024	0.023	0.024	0.023	5.2
Mean			0.037	0.038	0.037	0.032	0.036	0.035	0.034	0.035	0.035	0.034	0.035	4.7

2nd Quarter

Week #	START DATE	STOP DATE	Site 4	Site 6A*	Site 7A	Site 14A*	Site 15*	Site 17A	Site 21	Site 29*	Site 35	Site 40*	Mean	RSD (%)
14	26-Mar-07	2-Apr-07	0.026	0.031	0.024	0.022	0.026	0.025	0.025	0.026	0.026	0.025	0.026	8.9
15	2-Apr-07	9-Apr-07	0.033	0.044	0.030	0.033	0.036	0.035	0.032	0.036	0.035	0.032	0.035	11.1
16	9-Apr-07	16-Apr-07	0.026	0.024	0.024	0.026	0.027	0.028	0.023	0.024	0.027	0.024	0.025	6.7
17	16-Apr-07	23-Apr-07	0.027	0.024	0.023	0.023	0.023	0.025	0.024	0.024	0.029	0.023	0.025	8.2
18	23-Apr-07	1-May-07	0.032	0.033	0.032	0.028	0.032	0.032	0.029	0.026	0.032	0.029	0.031	7.6
19	1-May-07	8-May-07	0.030	0.030	0.026	0.027	0.029	0.026	0.027	0.027	0.031	0.031	0.028	7.1
20	8-May-07	15-May-07	0.041	0.044	0.041	0.038	0.042	0.041	0.038	0.042	0.041	0.036	0.040	5.9
21	15-May-07	22-May-07	0.038	0.039	0.033	0.033	0.039	0.036	0.038	0.037	0.037	0.039	0.037	6.2
22	22-May-07	29-May-07	0.028	0.029	0.029	0.026	0.030	0.028	0.026	0.029	0.029	0.028	0.028	4.7
23	29-May-07	5-Jun-07	0.034	0.035	0.037	0.035	0.037	0.035	0.032	0.035	0.037	0.033	0.035	4.9
24	5-Jun-07	12-Jun-07	0.029	0.030	0.030	0.026	0.029	0.031	0.028	0.029	0.028	0.031	0.029	5.2
25	12-Jun-07	18-Jun-07	0.034	0.038	0.038	0.035	0.037	0.038	0.035	0.035	0.037	0.038	0.037	4.3
26	18-Jun-07	25-Jun-07	0.029	0.037	0.033	0.031	0.033	0.032	0.033	0.033	0.035	0.035	0.033	6.7
Mean			0.031	0.034	0.031	0.029	0.032	0.032	0.030	0.031	0.033	0.031	0.031	4.0

[a] Power loss during this week caused abnormally high result (0.051 pCi/m3) with %RSD of 14.9. Sample invalidated due to anomalous result.

[b] Sample pump only ran from 3-5 to 3-9 due to power disconnect. Sample volume was calculated using actual run time. [c] OOS due to no power.

TABLE 8.2 PARTICULATE GRO. 3ETA IN AIR 3rd - 4th QUARTER

ODCM required samples denoted by *

units are pCi/m^3

3rd Quarter

Week #	START DATE	STOP DATE	Site 4	Site 6A*	Site 7A	Site 14A*	Site 15*	Site 17A	Site 21	Site 29*	Site 35	Site 40*	Mean	RSD (%)
27	25-Jun-07	2-Jul-07	0.044	0.041	0.039	0.037	0.042	0.041	0.036	0.040	0.039	0.040	0.040	5.8
28	2-Jul-07	10-Jul-07	0.041	0.042	0.038	0.038	0.041	0.043	0.037	0.041	0.040	0.037	0.040	5.4
29	10-Jul-07	17-Jul-07	0.044	0.042	0.041	0.038	0.045	0.042	0.041	0.042	0.043	0.042	0.042	4.5
30	17-Jul-07	25-Jul-07	0.031	0.030	0.030	0.029	0.030	0.032	0.028	0.028	0.024	0.028	0.029	7.6
31	25-Jul-07	30-Jul-07	0.026	0.028	0.023	0.022	0.023	0.024	0.020	0.023	0.024	0.022	0.024	9.5
32	30-Jul-07	7-Aug-07	0.031	0.034	0.031	0.029	0.029	0.031	0.028	0.033	0.036	0.031	0.031	7.8
33	7-Aug-07	14-Aug-07	0.033	0.040	0.039	0.033	0.036	0.036	0.036	0.037	0.035	0.035	0.036	6.3
34	14-Aug-07	21-Aug-07	0.037	0.041	0.034	0.033	0.039	0.034	0.036	0.039	0.039	0.035	0.037	7.4
35	21-Aug-07	28-Aug-07	0.033	0.037	0.036	0.035	0.037	0.038	0.034	0.035	0.036	0.034	0.036	4.5
36	28-Aug-07	4-Sep-07	0.037	0.034	0.032	0.035	invalid[a]	0.037	0.036	0.033	0.038	0.032	0.035	6.5
37	4-Sep-07	11-Sep-07	0.034	0.036	0.032	0.031	0.034	0.033	0.035	0.038	0.036	0.029	0.034	7.9
38	11-Sep-07	18-Sep-07	0.038	0.040	0.039	0.034	0.040	0.036	0.036	0.038	0.039	0.034	0.037	6.1
39	18-Sep-07	24-Sep-07	0.022	invalid[b]	0.024	0.020	0.024	0.022	0.021	0.025	0.024	0.022	0.023	7.3
Mean			0.035	0.037	0.034	0.032	0.035	0.035	0.033	0.035	0.035	0.032	0.034	4.5

4th Quarter

Week #	START DATE	STOP DATE	Site 4	Site 6A*	Site 7A	Site 14A*	Site 15*	Site 17A	Site 21	Site 29*	Site 35	Site 40*	Mean	RSD (%)
40	24-Sep-07	2-Oct-07	invalid[c]	0.037	0.036	0.031	0.034	0.036	0.035	0.035	0.036	0.031	0.035	6.3
41	2-Oct-07	9-Oct-07	0.026	0.031	0.024	0.023	0.029	0.028	0.026	0.027	0.026	0.025	0.027	8.9
42	9-Oct-07	16-Oct-07	0.038	0.041	0.040	0.039	0.042	0.037	0.038	0.040	0.037	0.036	0.039	5.0
43	16-Oct-07	23-Oct-07	0.022	0.027	0.024	0.022	0.024	0.023	0.024	0.024	0.024	0.024	0.024	5.9
44	23-Oct-07	29-Oct-07	0.035	0.035	0.030	0.032	0.033	0.031	0.029	0.032	0.035	0.031	0.032	6.7
45	29-Oct-07	6-Nov-07	0.053	0.069	0.058	0.052	0.059	0.054	0.055	0.056	0.057	invalid[b]	0.057	8.9
46	6-Nov-07	13-Nov-07	0.059	0.061	0.056	0.051	0.060	0.058	0.055	0.057	0.056	invalid[b]	0.057	5.3
47	13-Nov-07	19-Nov-07	0.053	0.062	0.052	0.053	0.061	0.054	0.052	0.056	0.060	0.048	0.055	8.3
48	19-Nov-07	27-Nov-07	0.051	0.061	0.054	0.049	0.055	0.057	0.050	0.055	0.056	0.049	0.054	7.3
49	27-Nov-07	4-Dec-07	0.036	0.046	0.038	0.036	0.038	0.036	0.040	0.039	0.042	0.036	0.039	8.4
50	4-Dec-07	11-Dec-07	0.033	0.036	0.036	0.031	0.035	0.033	0.032	0.034	0.033	0.034	0.034	4.9
51	11-Dec-07	18-Dec-07	0.039	0.045	0.042	0.040	0.044	0.041	0.041	0.042	0.041	0.040	0.042	4.4
52	18-Dec-07	26-Dec-07	0.036	0.037	0.034	0.033	0.035	0.034	0.033	0.034	0.034	0.032	0.034	4.3
Mean			0.040	0.045	0.040	0.038	0.042	0.040	0.039	0.041	0.041	0.035	0.040	6.6
Annual Average			***0.036***	***0.039***	***0.036***	***0.033***	***0.037***	***0.036***	***0.034***	***0.036***	***0.036***	***0.033***	***0.036***	***4.5***

[a] Sample pump failed, sample invalidated [b] Power out at sample location. Unable to determine sample volume, sample invalidated. [c] Sample result was 0.020 with a RSD of 15.2 %. Result suspect and unable to determine cause, so sample result was invalidated

TABLE 8.3 GAMMA IN AIR FILTER COMPOSITES

ODCM required samples denoted by *

units are pCi/m^3

QUARTER ENDPOINT	NUCLIDE	Site 4	Site 6A*	Site 7A	Site 14A*	Site 15*	Site 17A	Site 21	Site 29*	Site 35	Site 40*
26-Mar-07	Cs-134	<0.0019	<0.0023	<0.0035	<0.0035	<0.0038	<0.0024	<0.0018	<0.0020	<0.0021	<0.0023
	Cs-137	<0.0024	<0.0042	<0.0039	<0.0027	<0.0030	<0.0029	<0.0025	<0.0025	<0.0025	<0.0023
25-Jun-07	Cs-134	<0.0025	<0.0013	<0.0030	<0.0027	<0.0034	<0.0016	<0.0041	<0.0023	<0.0045	<0.0026
	Cs-137	<0.0026	<0.0029	<0.0047	<0.0028	<0.0030	<0.0028	<0.0037	<0.0025	<0.0039	<0.0028
24-Sep-07	Cs-134	<0.0034	<0.0041	<0.0023	<0.0044	<0.0036	<0.0035	<0.0029	<0.0030	<0.0029	<0.0018
	Cs-137	<0.0048	<0.0050	<0.0028	<0.0052	<0.0064	<0.0036	<0.0043	<0.0047	<0.0039	<0.0031
26-Dec-07	Cs-134	<0.0034	<0.0029	<0.0033	<0.0029	<0.0037	<0.0038	<0.0033	<0.0041	<0.0041	<0.0034
	Cs-137	<0.0017	<0.0029	<0.0035	<0.0057	<0.0035	<0.0036	<0.0010	<0.0044	<0.0047	<0.0068

TABLE 8.4 RADIOIODINE IN AIR 1st - 2nd QUARTER

ODCM required samples denoted by *

units are pCi/m^3

1st Quarter

Week #	START DATE	STOP DATE	Site 4	Site 6A*	Site 7A	Site 14A*	Site 15*	Site 17A	Site 21	Site 29*	Site 35	Site 40*
1	26-Dec-06	2-Jan-07	<0.066	<0.036	<0.044	<0.030	<0.050	<0.025	<0.034	<0.030	<0.065	<0.030
2	2-Jan-07	9-Jan-07	<0.035	<0.064	<0.037	<0.043	<0.026	<0.042	<0.036	<0.049	<0.036	<0.059
3	9-Jan-07	16-Jan-07	<0.042	<0.048	<0.037	<0.063	<0.021	<0.033	<0.053	<0.033	<0.041	<0.063
4	16-Jan-07	23-Jan-07	<0.034	<0.064	<0.050	<0.028	<0.049	<0.042	<0.043	<0.032	<0.043	<0.035
5	23-Jan-07	29-Jan-07	<0.036	<0.050	<0.049	<0.038	<0.046	<0.039	<0.040	<0.051	<0.047	<0.048
6	29-Jan-07	5-Feb-07	<0.039	<0.013	<0.012	<0.041	<0.048	<0.036	<0.049	<0.041	<0.012	<0.031
7	5-Feb-07	12-Feb-07	<0.068	<0.056	<0.067	<0.027	<0.061	<0.033	<0.034	<0.041	<0.056	<0.037
8	12-Feb-07	20-Feb-07	<0.035	<0.036	<0.038	<0.028	<0.048	<0.033	<0.055	<0.031	<0.043	<0.034
9	20-Feb-07	26-Feb-07	<0.040	<0.032	<0.030	<0.056	<0.044	<0.064	<0.027	<0.048	<0.033	<0.039
10	26-Feb-07	5-Mar-07	<0.034	<0.031	<0.042	<0.030	<0.049	<0.027	<0.054	<0.039	<0.049	<0.039
11	5-Mar-07	13-Mar-07	<0.032	<0.045	<0.051	<0.069[a]	<0.027	<0.055	<0.030	<0.024	<0.049	<0.032
12	13-Mar-07	19-Mar-07	<0.061	<0.067	<0.061	invalid[b]	<0.043	<0.053	<0.043	<0.062	<0.045	<0.069
13	19-Mar-07	26-Mar-07	<0.037	<0.056	<0.032	<0.064	<0.030	<0.050	<0.036	<0.056	<0.026	<0.029

2nd Quarter

Week #	START DATE	STOP DATE	Site 4	Site 6A*	Site 7A	Site 14A*	Site 15*	Site 17A	Site 21	Site 29*	Site 35	Site 40*
14	26-Mar-07	2-Apr-07	<0.034	<0.041	<0.040	<0.056	<0.040	<0.052	<0.031	<0.050	<0.033	<0.028
15	2-Apr-07	9-Apr-07	<0.050	<0.069	<0.044	<0.035	<0.034	<0.037	<0.055	<0.022	<0.043	<0.037
16	9-Apr-07	16-Apr-07	<0.064	<0.043	<0.049	<0.050	<0.065	<0.055	<0.066	<0.069	<0.050	<0.040
17	16-Apr-07	23-Apr-07	<0.049	<0.043	<0.042	<0.033	<0.035	<0.050	<0.029	<0.034	<0.038	<0.012
18	23-Apr-07	1-May-07	<0.028	<0.049	<0.048	<0.031	<0.044	<0.036	<0.030	<0.034	<0.039	<0.033
19	1-May-07	8-May-07	<0.027	<0.049	<0.067	<0.036	<0.043	<0.022	<0.064	<0.038	<0.052	<0.038
20	8-May-07	15-May-07	<0.032	<0.056	<0.055	<0.037	<0.049	<0.043	<0.038	<0.035	<0.049	<0.046
21	15-May-07	22-May-07	<0.040	<0.039	<0.030	<0.034	<0.034	<0.069	<0.029	<0.043	<0.031	<0.051
22	22-May-07	29-May-07	<0.034	<0.035	<0.034	<0.033	<0.049	<0.032	<0.055	<0.029	<0.056	<0.035
23	29-May-07	5-Jun-07	<0.043	<0.061	<0.051	<0.035	<0.056	<0.037	<0.050	<0.029	<0.051	<0.030
24	5-Jun-07	12-Jun-07	<0.031	<0.041	<0.034	<0.023	<0.034	<0.034	<0.065	<0.036	<0.036	<0.031
25	12-Jun-07	18-Jun-07	<0.070	<0.052	<0.051	<0.061	<0.066	<0.061	<0.066	<0.049	<0.038	<0.046
26	18-Jun-07	25-Jun-07	<0.060	<0.038	<0.034	<0.025	<0.050	<0.030	<0.034	<0.033	<0.013	<0.028

[a] Sample pump only ran from 3-5 to 3-9 due to power disconnect. Sample volume was calculated using actual run time. [b] OOS due to no power.

TABLE 8.5 RADIOIODINE IN AIR 3rd - 4th QUARTER

ODCM required samples denoted by *

units are pCi/m^3

1st Quarter

Week #	START DATE	STOP DATE	Site 4	Site 6A*	Site 7A	Site 14A*	Site 15*	Site 17A	Site 21	Site 29*	Site 35	Site 40*
27	25-Jun-07	2-Jul-07	<0.035	<0.048	<0.048	<0.028	<0.059	<0.035	<0.058	<0.046	<0.038	<0.036
28	2-Jul-07	10-Jul-07	<0.037	<0.040	<0.031	<0.031	<0.062	<0.033	<0.030	<0.032	<0.061	<0.025
29	10-Jul-07	17-Jul-07	<0.033	<0.055	<0.055	<0.042	<0.061	<0.034	<0.035	<0.034	<0.057	<0.038
30	17-Jul-07	25-Jul-07	<0.029	<0.048	<0.038	<0.027	<0.049	<0.038	<0.027	<0.037	<0.046	<0.033
31	25-Jul-07	30-Jul-07	<0.047	<0.051	<0.058	<0.050	<0.048	<0.046	<0.068	<0.045	<0.064	<0.055
32	30-Jul-07	7-Aug-07	<0.024	<0.037	<0.034	<0.031	<0.032	<0.031	<0.041	<0.031	<0.034	<0.034
33	7-Aug-07	14-Aug-07	<0.043	<0.045	<0.058	<0.036	<0.069	<0.038	<0.070	<0.034	<0.046	<0.035
34	14-Aug-07	21-Aug-07	<0.035	<0.028	<0.033	<0.043	<0.059	<0.037	<0.043	<0.039	<0.060	<0.042
35	21-Aug-07	28-Aug-07	<0.039	<0.043	<0.045	<0.045	<0.036	<0.036	<0.065	<0.036	<0.066	<0.045
36	28-Aug-07	4-Sep-07	<0.047	<0.037	<0.064	<0.042	invalid[a]	<0.060	<0.050	<0.054	<0.049	<0.061
37	4-Sep-07	11-Sep-07	<0.039	<0.046	<0.065	<0.040	<0.068	<0.037	<0.065	<0.025	<0.054	<0.036
38	11-Sep-07	18-Sep-07	<0.047	<0.030	<0.030	<0.042	<0.041	<0.034	<0.039	<0.028	<0.040	<0.044
39	18-Sep-07	24-Sep-07	<0.049	invalid[b]	<0.057	<0.067	<0.042	<0.067	<0.059	<0.068	<0.058	<0.067

2nd Quarter

Week #	START DATE	STOP DATE	Site 4	Site 6A*	Site 7A	Site 14A*	Site 15*	Site 17A	Site 21	Site 29*	Site 35	Site 40*
40	24-Sep-07	2-Oct-07	<0.044	<0.031	<0.038	<0.052	<0.047	<0.052	<0.040	<0.057	<0.057	<0.040
41	2-Oct-07	9-Oct-07	<0.050	<0.059	<0.063	<0.063	<0.046	<0.037	<0.060	<0.064	<0.064	<0.065
42	9-Oct-07	16-Oct-07	<0.063	<0.036	<0.054	<0.037	<0.047	<0.055	<0.058	<0.040	<0.063	<0.070
43	16-Oct-07	23-Oct-07	<0.058	<0.054	<0.069	<0.063	<0.034	<0.054	<0.043	<0.036	<0.063	<0.047
44	23-Oct-07	29-Oct-07	<0.055	<0.063	<0.069	<0.062	<0.055	<0.062	<0.069	<0.064	<0.056	<0.067
45	29-Oct-07	6-Nov-07	<0.048	<0.055	<0.046	<0.046	<0.039	<0.052	<0.050	<0.051	<0.053	invalid[b]
46	6-Nov-07	13-Nov-07	<0.069	<0.065	<0.054	<0.066	<0.047	<0.063	<0.060	<0.061	<0.069	invalid[b]
47	13-Nov-07	19-Nov-07	<0.067	<0.069	<0.070	<0.048	<0.060	<0.061	<0.069	<0.047	<0.068	<0.062
48	19-Nov-07	27-Nov-07	<0.047	<0.031	<0.051	<0.046	<0.064	<0.041	<0.047	<0.057	<0.033	<0.053
49	27-Nov-07	4-Dec-07	<0.068	<0.055	<0.053	<0.036	<0.046	<0.069	<0.037	<0.045	<0.053	<0.046
50	4-Dec-07	11-Dec-07	<0.042	<0.065	<0.041	<0.049	<0.049	<0.041	<0.041	<0.063	<0.054	<0.033
51	11-Dec-07	18-Dec-07	<0.027	<0.062	<0.056	<0.046	<0.039	<0.036	<0.069	<0.039	<0.050	<0.062
52	18-Dec-07	26-Dec-07	<0.042	<0.056	<0.029	<0.028	<0.051	<0.038	<0.039	<0.033	<0.042	<0.031

[a] Sample pump failed, sample invalidated [b] Power out at sample location. Unable to determine sample volume, sample invalidated.

TABLE 8.6 VEGETATION

ODCM required samples denoted by *
units are pCi/kg, wet

LOCATION	TYPE	DATE COLLECTED	I-131	Cs-134	Cs-137
			<60	<60	<80
BRANCH RESIDENCE (Site #52)*	NO SAMPLES AVAILABLE Wright Residence replaced Branch as of June				
DUNCAN FAMILY FARMS (Site #62)*	green cabbage	12-Jan-07	<35	<46	<76
	red cabbage	12-Jan-07	<40	<36	<65
	savoy cabbage	12-Jan-07	<54	<46	<47
	green cabbage	16-Feb-07	<46	<10	<62
	red cabbage	16-Feb-07	<36	<36	<34
	green cabbage	16-Mar-07	<43	<32	<47
	red cabbage	16-Mar-07	<58	<45	<50
	green cabbage	11-May-07	<47	<47	<52
	green cabbage	12-Oct-07	<55	<55	<42
	green cabbage	16-Nov-07	<42	<51	<75
	green cabbage	14-Dec-07	<36	<14	<42
MCCOY RESIDENCE (Site #47)*	NO SAMPLES AVAILABLE Garden of Eatin' replaced McCoy as of June				

TABLE 8.7 MILK

MILK

ODCM required samples denoted by *
units are pCi/liter

SAMPLE LOCATION	DATE COLLECTED	<1 I-131	<15 Cs-134	<18 Cs-137	<60 Ba-140	<15 La-140
PAINTER GOATS (Site #51)*	NO SAMPLES AVAILABLE					
ADAMS GOATS (Site #53)*	NO SAMPLES AVAILABLE					
	Martin replaced Adams as of June					
HERNANDEZ GOATS (Site #54)	12-Jan-07	<1	<1	<1	<3	<1
	13-Apr-07	<2[a]	<2	<2	<7	<2
	11-May-07	<1	<1	<1	<3	<1
	17-Aug-07	<1	<1	<1	<3	<1
	14-Sep-07	<1	<1	<1	<3	<1
	12-Oct-07	<1	<1	<1	<3	<1
	16-Nov-07	<1	<1	<1	<3	<1
	14-Dec-07	<1	<1	<1	<3	<1

Notes: [a] Sample volume was too low to obtain the required I-131 LLD of 1.0 pCi/liter. Sample was analyzed anyway and met all other LLDs.

TABLE 8.8 DRI ING WATER

ODCM required samples denoted by *
units are pCi/liter

SAMPLE LOCATION	MONTH ENDPOINT	<15 Mn-54	<15 Co-58	<30 Fe-59	<15 Co-60	<30 Zn-65	<15 Nb-95	<30 Zr-95	<15 I-131	<15 Cs-134	<18 Cs-137	<60 Ba-140	<15 La-140	<2000 QTRLY H-3	<4.0 Gross Beta
BERRYMAN RESIDENCE (SITE #48)*	29-Jan-07	<10	<12	<27	<12	<22	<12	<14	<9	<9	<11	<34	<10		<3.3
	26-Feb-07	<11	<11	<29	<13	<28	<15	<22	<11	<12	<12	<40	<15		<3.2
	26-Mar-07	<11	<13	<30	<15	<26	<14	<21	<11	<10	<12	<38	<13	<269	<2.8
	23-Apr-07	<13	<8	<26	<14	<24	<12	<18	<9	<11	<12	<41	<15		5.6 ± 2.1
	29-May-07	<13	<13	<22	<14	<29	<13	<23	<9	<12	<13	<40	<15		<3.1
	25-Jun-07	<12	<11	<27	<15	<23	<14	<22	<12	<13	<13	<42	<12	<272	<2.9
	30-Jul-07	<11	<10	<20	<12	<24	<10	<16	<9	<8	<9	<34	<15		4.0 ± 1.8
	28-Aug-07	<12	<10	<25	<15	<28	<11	<18	<10	<11	<13	<42	<14		3.9 ± 1.8
	24-Sep-07	<10	<9	<20	<12	<30	<12	<19	<10	<9	<10	<37	<12	<275	<2.7
	29-Oct-07	<13	<14	<28	<15	<27	<15	<23	<13	<10	<15	<48	<13		<3.1
	27-Nov-07	<8	<9	<20	<11	<20	<9	<16	<8	<7	<10	<32	<12		<2.9
	26-Dec-07	<13	<11	<23	<12	<29	<13	<21	<12	<10	<11	<44	<15	<270	4.3 ± 1.8
GAVETTE RESIDENCE (SITE #55)	29-Jan-07	<13	<12	<26	<13	<26	<13	<18	<12	<12	<13	<41	<15		3.2 ± 1.7
	26-Feb-07	<10	<11	<23	<12	<24	<12	<19	<11	<11	<11	<39	<15		2.6 ± 1.7
	26-Mar-07	<13	<13	<22	<15	<30	<13	<18	<12	<10	<14	<41	<14	<270	3.7 ± 1.5
	23-Apr-07	<12	<12	<24	<14	<25	<14	<19	<12	<12	<14	<39	<15		3.0 ± 1.6
	29-May-07	<13	<12	<24	<14	<30	<13	<22	<12	<11	<13	<34	<8		4.2 ± 1.7
	25-Jun-07	<13	<12	<22	<13	<26	<11	<19	<9	<9	<11	<41	<13	<273	3.4 ± 1.6
	30-Jul-07	<13	<12	<24	<12	<29	<14	<19	<13	<11	<14	<43	<15		4.8 ± 1.5
	28-Aug-07	<13	<15	<26	<15	<27	<13	<20	<13	<12	<15	<49	<14		3.8 ± 1.5
	24-Sep-07	<12	<13	<28	<13	<30	<14	<22	<12	<11	<14	<43	<13	<275	4.0 ± 1.5
	29-Oct-07	<13	<13	<28	<14	<29	<13	<24	<12	<13	<13	<49	<14		<2.5
	27-Nov-07	<10	<9	<21	<10	<23	<12	<18	<10	<9	<11	<36	<14		5.2 ± 1.6
	26-Dec-07	<12	<12	<24	<13	<27	<14	<23	<12	<11	<13	<39	<15	<270	4.5 ± 1.5

TABLE 8.8 DRINKING WATER

ODCM required samples denoted by *
units are pCi/liter

SAMPLE LOCATION	MONTH ENDPOINT	<15 Mn-54	<15 Co-58	<30 Fe-59	<15 Co-60	<30 Zn-65	<15 Nb-95	<30 Zr-95	<15 I-131	<15 Cs-134	<18 Cs-137	<60 Ba-140	<15 La-140	<2000 QTRLY H-3	<4.0 Gross Beta
WIRTH RESIDENCE (SITE #46)*	29-Jan-07	<12	<14	<26	<12	<27	<12	<23	<12	<10	<13	<39	<15		3.2 ± 1.7
	26-Feb-07	<13	<12	<22	<15	<29	<13	<24	<12	<10	<12	<40	<12		<2.6
	26-Mar-07	<10	<10	<24	<14	<23	<13	<22	<10	<9	<10	<40	<15	<268	3.8 ± 1.5
	23-Apr-07	<13	<11	<25	<15	<22	<11	<18	<10	<10	<12	<40	<13		<2.6
	29-May-07	<13	<11	<21	<14	<26	<11	<16	<11	<11	<12	<43	<15		<2.5
	25-Jun-07	<8	<10	<21	<14	<30	<12	<20	<10	<8	<12	<41	<9	<270	3.0 ± 1.6
	30-Jul-07	<11	<13	<24	<14	<22	<13	<18	<11	<11	<13	<40	<12		5.0 ± 1.6
	28-Aug-07	<9	<9	<17	<13	<23	<10	<19	<8	<10	<11	<32	<12		2.8 ± 1.5
	24-Sep-07	<13	<12	<22	<12	<30	<12	<21	<13	<12	<12	<37	<14	<275	4.0 ± 1.5
	29-Oct-07	<14	<11	<28	<13	<28	<13	<24	<11	<12	<13	<41	<12		<2.5
	27-Nov-07	<13	<13	<26	<13	<27	<12	<22	<12	<10	<14	<42	<15		<2.3
	26-Dec-07	<11	<12	<24	<15	<25	<14	<22	<12	<10	<15	<38	<15	<269	4.3 ± 1.5
SANDOVAL RESIDENCE (SITE #49) *	29-Jan-07	<11	<11	<21	<10	<29	<12	<20	<11	<9	<12	<42	<14		<2.4
	26-Feb-07	<12	<13	<28	<12	<30	<10	<20	<12	<12	<14	<47	<14		<2.4
	26-Mar-07	<13	<10	<27	<13	<29	<13	<20	<12	<11	<12	<44	<15	<266	<2.0
	23-Apr-07	<12	<11	<22	<13	<29	<13	<23	<13	<12	<11	<42	<15		<2.4
	29-May-07	<12	<11	<21	<13	<29	<11	<22	<12	<10	<12	<41	<11		<2.4
	25-Jun-07	<11	<10	<22	<13	<30	<11	<21	<11	<11	<12	<41	<12	<272	<2.3
	30-Jul-07	<15	<12	<24	<12	<25	<13	<27	<13	<14	<13	<40	<14		<2.0
	28-Aug-07	<11	<12	<20	<12	<30	<11	<17	<9	<10	<11	<43	<15		<2.1
	24-Sep-07	<11	<10	<21	<13	<30	<10	<20	<7	<11	<12	<41	<11	<274	<2.1
	29-Oct-07	<12	<13	<24	<13	<27	<14	<24	<13	<12	<13	<48	<10		<2.3
	27-Nov-07	<11	<10	<21	<10	<23	<10	<19	<9	<10	<13	<35	<14		<2.2
	26-Dec-07	<13	<11	<26	<12	<30	<13	<22	<12	<12	<14	<48	<13	<267	<2.0

TABLE 8.9 GR NDWATER

ODCM required samples denoted by *
units are pCi/liter

SAMPLE LOCATION	DATE COLLECTED	<15 Mn-54	<15 Co-58	<30 Fe-59	<15 Co-60	<30 Zn-65	<15 Nb-95	<30 Zr-95	<15 I-131	<15 Cs-134	<18 Cs-137	<60 Ba-140	<15 La-140	<2000 H-3
WELL 27ddc (Site #57)*	29-Jan-07	<9	<8	<17	<10	<20	<10	<14	<8	<8	<9	<29	<11	<283
	23-Apr-07	<9	<11	<22	<12	<22	<13	<18	<11	<9	<10	<34	<15	<262
	30-Jul-07	<12	<13	<29	<14	<30	<15	<21	<12	<11	<14	<43	<12	<276
	29-Oct-07	<11	<9	<25	<13	<30	<12	<18	<11	<9	<12	<35	<14	<264
WELL 34abb (Site #58)*	29-Jan-07	<11	<10	<23	<13	<28	<13	<19	<11	<9	<11	<39	<14	<279
	23-Apr-07	<14	<12	<27	<13	<27	<14	<28	<15	<13	<14	<53	<15	<262
	30-Jul-07	<9	<9	<18	<10	<23	<12	<16	<9	<9	<9	<31	<15	<276
	29-Oct-07	<11	<11	<24	<12	<28	<13	<19	<13	<11	<12	<44	<15	<261

TABLE 8.10 SURFACE WATER

ODCM required samples denoted by *
units are pCi/liter

SAMPLE LOCATION	MONTH ENDPOINT	<15 Mn-54	<15 Co-58	<30 Fe-59	<15 Co-60	<30 Zn-65	<15 Nb-95	<30 Zr-95	<15 I-131	<15 Cs-134	<18 Cs-137	<60 Ba-140	<15 La-140	<3000 H-3
	29-Jan-07	<14	<13	<24	<13	<27	<13	<25	20 ± 13	<13	<15	<48	<15	
	26-Feb-07	<11	<12	<24	<12	<28	<11	<19	23 ± 11	<11	<11	<39	<15	
	26-Mar-07	<14	<12	<26	<14	<21	<13	<19	<15	<11	<13	<40	<13	<270
80 ACRE	23-Apr-07	<9	<11	<22	<13	<26	<11	<18	16 ± 9	<10	<12	<40	<12	
RESERVOIR	29-May-07	<11	<12	<22	<11	<27	<12	<20	<15	<11	<13	<41	<12	
(Site #60) *	25-Jun-07	<12	<12	<25	<13	<25	<11	<20	<15	<11	<11	<41	<14	<281
	30-Jul-07	<9	<10	<22	<12	<22	<11	<21	<11	<8	<12	<34	<15	
	28-Aug-07	<12	<11	<21	<13	<30	<14	<20	<14	<11	<13	<41	<13	
45 ACRE	24-Sep-07	<6	<7	<11	<7	<14	<8	<12	11 ± 9	<6	<8	<23	<7	<272
RESERVOIR	29-Oct-07	<14	<11	<24	<13	<30	<11	<18	<13	<12	<12	<42	<14	
(Site #61) *	27-Nov-07	<12	<11	<24	<11	<26	<13	<19	<15	<10	<13	<45	<13	
	26-Dec-07	<11	<12	<24	<13	<28	<11	<19	14 ± 12	<11	<12	<46	<15	<270
	29-Jan-07	<12	<12	<22	<13	<29	<10	<20	23 ± 10	<10	<13	<37	<12	
	26-Feb-07	<11	<13	<28	<14	<29	<11	<21	<14	<11	<15	<44	<14	
	26-Mar-07	<12	<11	<22	<15	<28	<10	<19	<12	<9	<10	<40	<12	1496 ± 160
	23-Apr-07	<12	<12	<24	<13	<30	<10	<18	<10	<10	<13	<36	<13	
EVAP POND 1	29-May-07	<12	<10	<25	<12	<30	<11	<20	<12	<11	<13	<40	<12	
(Site #59) *	25-Jun-07	<11	<12	<24	<12	<30	<12	<20	<10	<11	<13	<37	<10	945 ± 181
	30-Jul-07	<11	<10	<28	<13	<30	<11	<22	<10	<11	<14	<31	<15	
	28-Aug-07	<11	<10	<25	<13	<30	<11	<19	<10	<11	<13	<40	<12	
	24-Sep-07	<13	<13	<30	<15	<28	<14	<23	<12	<12	<14	<45	<15	1001 ± 179
	29-Oct-07	<12	<10	<28	<14	<27	<10	<24	<13	<8	<13	<40	<15	
	27-Nov-07	<12	<13	<27	<13	<27	<13	<20	10 ± 8	<11	<13	<38	<15	
	26-Dec-07	<13	<13	<30	<10	<30	<13	<22	<15	<12	<13	<41	<11	749 ± 177
	29-Jan-07	<11	<12	<26	<15	<29	<11	<19	<11	<10	<14	<40	<10	
	26-Feb-07	<11	<11	<28	<11	<30	<12	<20	<11	<10	<14	<38	<11	
	26-Mar-07	<11	<11	<24	<15	<27	<12	<21	18 ± 17	<11	<14	<41	<12	2323 ± 166
	23-Apr-07	<10	<10	<23	<14	<30	<10	<17	<12	<10	<13	<39	<12	
EVAP POND 2	29-May-07	<10	<10	<24	<11	<28	<10	<19	9 ± 10	<10	<13	<35	<11	
(Site #63) *	25-Jun-07	<13	<11	<26	<14	<30	<12	<22	<14	<12	<13	<44	<12	1095 ± 182
	30-Jul-07	<13	<13	<24	<11	<30	<13	<20	<11	<11	<14	<39	<7	
	28-Aug-07	<12	<12	<27	<13	<29	<12	<22	<15	<11	<14	<44	<14	
	24-Sep-07	<11	<11	<25	<15	<30	<11	<22	19 ± 8	<11	<12	<41	<15	1126 ± 182
	29-Oct-07	<12	<13	<26	<12	<30	<12	<21	<12	<11	<14	<43	<11	
	27-Nov-07	<11	<11	<24	<14	<29	<10	<21	<10	<9	<13	<38	<11	
	26-Dec-07	<13	<14	<28	<14	<29	<13	<21	<13	<10	<14	<50	<12	1047 ± 181

Note: The 80-acre Reservoir was out of service for most of the year for re-lining. Both Reservoirs have the same supply from the WRF.

TABLE 8.10 SU 'ACE WATER

ODCM required samples denoted by *

units are pCi/liter

SAMPLE LOCATION	DATE COLLECTED	Mn-54	Co-58	Fe-59	Co-60	Zn-65	Nb-95	Zr-95	I-131	Cs-134	Cs-137	Ba-140	La-140	Tritium
WRF INFLUENT	2-Jan-07	<13	<12	<25	<12	<28	<12	<20	27 ± 12	<13	<12	<40	<14	
	9-Jan-07	<11	<12	<24	<15	<29	<11	<23	31 ± 13	<12	<14	<39	<14	
	16-Jan-07	<11	<12	<24	<14	<30	<13	<21	108 ± 21	<11	<11	<45	<12	
	23-Jan-07	<12	<13	<28	<14	<28	<13	<20	47 ± 17	<12	<14	<35	<15	
	29-Jan-07	<12	<10	<27	<7	<30	<10	<21	50 ± 15	<12	<14	<42	<13	<296
	5-Feb-07	<12	<12	<24	<15	<25	<11	<22	42 ± 12	<11	<11	<34	<14	
	12-Feb-07	<13	<14	<27	<12	<29	<15	<21	40 ± 14	<12	<14	<41	<14	
	19-Feb-07	<13	<10	<23	<12	<29	<11	<22	54 ± 19	<10	<12	<43	<14	
	26-Feb-07	<12	<11	<26	<13	<28	<11	<20	97 ± 17	<11	<13	<42	<14	<287
	6-Mar-07	<13	<13	<27	<13	<24	<13	<21	59 ± 14	<11	<14	<39	<15	
	13-Mar-07	<13	<12	<24	<10	<30	<10	<19	53 ± 13	<12	<11	<35	<15	
	19-Mar-07	<12	<11	<22	<15	<21	<11	<22	53 ± 14	<11	<12	<40	<11	
	26-Mar-07	<13	<11	<20	<15	<26	<12	<19	46 ± 15	<11	<12	<38	<12	<278
	2-Apr-07	<11	<11	<20	<12	<24	<13	<19	47 ± 12	<10	<11	<42	<13	
	9-Apr-07	<12	<11	<26	<11	<28	<12	<20	<15	<11	<11	<36	<14	
	16-Apr-07	<12	<10	<27	<11	<22	<12	<20	91 ± 17	<11	<11	<37	<15	
	23-Apr-07	<11	<9	<23	<12	<24	<11	<20	60 ± 15	<9	<11	<34	<15	<275
	1-May-07	<12	<11	<24	<13	<24	<13	<19	32 ± 12	<11	<12	<37	<14	
	7-May-07	<10	<12	<22	<13	<30	<11	<17	41 ± 12	<8	<10	<36	<12	
	15-May-07	<12	<12	<27	<13	<28	<13	<22	26 ± 12	<11	<14	<33	<15	
	21-May-07	<10	<10	<22	<12	<20	<10	<19	33 ± 11	<8	<11	<33	<15	
	28-May-07	<13	<12	<30	<12	<27	<13	<23	69 ± 16	<11	<14	<37	<15	<291
	4-Jun-07	<12	<10	<23	<12	<25	<12	<22	36 ± 13	<10	<13	<46	<12	
	11-Jun-07	<11	<11	<24	<15	<29	<12	<22	19 ± 13	<11	<13	<43	<15	
	18-Jun-07	<11	<10	<20	<15	<22	<12	<18	31 ± 11	<11	<11	<33	<12	
	25-Jun-07	<10	<13	<23	<15	<26	<13	<21	32 ± 16	<11	<14	<41	<13	<284
	2-Jul-07	<11	<12	<29	<14	<25	<12	<22	18 ± 13	<11	<14	<43	<12	
	9-Jul-07	<12	<11	<21	<13	<19	<12	<21	22 ± 12	<10	<11	<39	<15	
	16-Jul-07	<13	<13	<23	<14	<28	<12	<19	<15	<11	<12	<46	<11	

TABLE 8.10 SURFACE WATER

ODCM required samples denoted by *

units are pCi/liter

SAMPLE LOCATION	DATE COLLECTED	Mn-54	Co-58	Fe-59	Co-60	Zn-65	Nb-95	Zr-95	I-131	Cs-134	Cs-137	Ba-140	La-140	Tritium
WRF INFLUENT	23-Jul-07	<13	<12	<20	<14	<24	<10	<10	41 ± 11	<11	<10	<32	<15	
	30-Jul-07	<13	<12	<25	<12	<30	<14	<22	<14	<12	<13	<41	<11	<285
	7-Aug-07	<11	<10	<20	<12	<27	<11	<21	14 ± 11	<10	<10	<40	<13	
	14-Aug-07	<14	<11	<23	<13	<26	<11	<22	38 ± 14	<11	<13	<42	<10	
	20-Aug-07	<11	<12	<21	<12	<26	<12	<19	<15	<9	<11	<38	<12	
	27-Aug-07	<10	<9	<19	<9	<24	<9	<20	<15	<9	<11	<38	<10	<282
	3-Sep-07	<11	<12	<25	<14	<30	<10	<20	54 ± 14	<11	<12	<42	<13	
	10-Sep-07	<10	<11	<18	<13	<21	<10	<16	25 ± 10	<8	<11	<29	<9	
	17-Sep-07	<10	<10	<21	<13	<22	<12	<21	32 ± 15	<13	<12	<42	<12	
	24-Sep-07	<15	<13	<26	<15	<28	<13	<26	34 ± 14	<13	<14	<45	<13	<282
	2-Oct-07	<13	<13	<20	<13	<30	<10	<21	27 ± 11	<12	<12	<43	<15	
	9-Oct-07	<12	<11	<26	<15	<28	<12	<16	24 ± 10	<10	<11	<33	<10	
	15-Oct-07	<13	<12	<27	<13	<29	<13	<23	70 ± 18	<11	<11	<41	<15	
	22-Oct-07	<13	<13	<30	<11	<23	<14	<23	73 ± 16	<12	<15	<47	<15	
	29-Oct-07	<12	<12	<22	<14	<30	<11	<22	31 ± 12	<10	<12	<39	<14	<267
	06-Nov-07	<12	<9	<20	<11	<30	<12	<20	<12	<10	<11	<36	<14	
	13-Nov-07	<11	<11	<22	<14	<30	<14	<21	25 ± 13	<11	<12	<37	<11	
	19-Nov-07	<10	<9	<21	<11	<25	<12	<18	41 ± 10	<10	<12	<37	<13	
	27-Nov-07	<12	<12	<25	<11	<29	<12	<19	27 ± 11	<11	<12	<40	<14	<279
	4-Dec-07	<10	<10	<24	<11	<27	<11	<19	14 ± 10	<10	<11	<35	<15	
	11-Dec-07	<12	<10	<21	<13	<25	<12	<17	25 ± 10	<10	<11	<36	<15	
	17-Dec-07	<10	<9	<20	<9	<25	<11	<18	95 ± 17	<9	<10	<38	<15	
	25-Dec-07	<15	<12	<27	<14	<25	<14	<21	44 ± 15	<12	<12	<50	<12	<276
SEDIMENT. BASIN #2	4-Dec-07	<10	<13	<24	<15	<30	<11	<22	<9	<12	<15	<40	<14	<310
	11-Dec-07	<12	<14	<23	<10	<27	<13	<20	<12	<10	<12	<42	<15	<287
	26-Dec-07	<12	<11	<29	<15	<20	<15	<23	<11	<10	<15	<39	<13	<289

TABLE 8.11 SLUDGE/SEDIMENT

ODCM required samples denoted by *
units are pCi/kg, wet

SAMPLE LOCATION	DATE COLLECTED	I-131	Cs-134	Cs-137	In-111
WRF CENTRIFUGE WASTE SLUDGE	2-Jan-07	1531 ± 174	<19	<26	
	9-Jan-07	1003 ± 121	<18	<28	
	16-Jan-07	1477 ± 169	<19	<28	
	23-Jan-07	2117 ± 232	<19	<16	
	29-Jan-07	1130 ± 152	<17	<23	
	5-Feb-07	1418 ± 178	<38	<33	81 ± 47
	12-Feb-07	974 ± 132	<33	<29	
	19-Feb-07	1636 ± 184	<22	<26	
	26-Feb-07	1158 ± 147	<28	<32	
	6-Mar-07	1765 ± 214	<34	<42	
	13-Mar-07	1223 ± 161	<38	<38	
	19-Mar-07	995 ± 26	<25	<22	
	26-Mar-07	1434 ± 177	<35	<37	34 ± 25
	2-Apr-07	1202 ± 150	<28	<35	38 ± 22
	9-Apr-07	1307 ± 152	<20	<23	
	16-Apr-07	860 ± 122	<26	<7	38 ± 35
	23-Apr-07	1139 ± 135	<28	<27	
	1-May-07	1006± 132	<28	<20	
	7-May-07	861 ± 118	<20	<43	
	15-May-07	826 ± 111	<20	<32	
	21-May-07	826 ± 104	<24	<21	
	28-May-07	1377 ± 175	<32	<22	
	4-Jun-07	850 ± 110	<20	<25	
	11-Jun-07	728 ± 96	<21	<27	
	18-Jun-07	1182 ± 146	<22	<33	
	25-Jun-07	820 ± 101	<18	<25	
	2-Jul-07	605 ± 82	<23	<26	
	9-Jul-07	476 ± 71	<17	<25	
	16-Jul-07	459 ± 69	<26	<31	
	23-Jul-07	643 ± 93	<26	<34	
	30-Jul-07	606 ± 83	<20	<30	
	7-Aug-07	466 ± 77	<25	<19	
	14-Aug-07	671 ± 95	<18	<17	

TABLE 8.11 SLUDGE/SEDIMENT

ODCM required samples denoted by *
units are pCi/kg, wet

SAMPLE LOCATION	DATE COLLECTED	I-131	Cs-134	Cs-137	In-111
WRF CENTRIFUGE WASTE SLUDGE	20-Aug-07	770 ± 100	<20	<23	
	27-Aug-07	789 ± 100	<21	<22	
	3-Sep-07	1079 ± 131	<25	<20	
	10-Sep-07	1274 ± 149	<20	<29	
	17-Sep-07	957 ± 121	<18	<18	
	24-Sep-07	927 ± 116	<27	<18	
	2-Oct-07	1087 ± 142	<20	<32	
	9-Oct-07	660 ± 95	<18	<30	
	15-Oct-07	844 ± 138	<32	<40	
	22-Oct-07	1060 ± 160	<26	<36	
	29-Oct-07	1460 ± 180	<26	<31	
	6-Nov-07	772 ± 109	<26	<35	
	13-Nov-07	532 ± 85	<26	<32	
	19-Nov-07	843 ± 134	<32	<35	
	27-Nov-07	804 ± 112	<24	<26	
	4-Dec-07	1019 ± 150	<39	<8	
	11-Dec-07	634 ± 104	<21	<37	
	17-Dec-07	622 ± 123	<35	<35	
	24-Dec-07	1566 ± 229	<37	<28	

TABLE 8.11 SLI GE/SEDIMENT

ODCM required samples denoted by *
Units are pCi/kg, wet

SAMPLE LOCATION	DATE COLLECTED	Cs-134	Cs-137
(N)	5-Dec-07	<9	13 ± 9
(E)	5-Dec-07	<11	<14
EVAP POND 1 (S)	5-Dec-07	<8	13 ± 9
(W)	5-Dec-07	<9	<16
(C)	N/A	N/A	N/A
(N)	5-Dec-07	<10	<16
(E)	5-Dec-07	<11	<15
EVAP POND 2 (S)	5-Dec-07	<10	22 ± 14
(W)	5-Dec-07	<10	34 ± 11
(C)	N/A	N/A	N/A

COOLING TOWER SLUDGE

UNIT CYCLE	APPROXIMATE VOLUME (yd^3)	ISOTOPE	ACTIVITY RANGE (uCi/ml)	SAMPLE TYPE	FRACTION OF SAMPLES ABOVE MDA
U2R13	449	Co-60 Cs-137	<MDA to 5.65E-07 <MDA to 1.14E-07	tower/canal sludge	31 of 32 17 of 32
U1R13	105	Cs-137	<MDA to 7.93E-08	tower/canal sludge	6 of 32

FIGURE 8.1 HISTORICAL GROSS BETA IN AIR (WEEKLY SYSTEM AVERAGES)

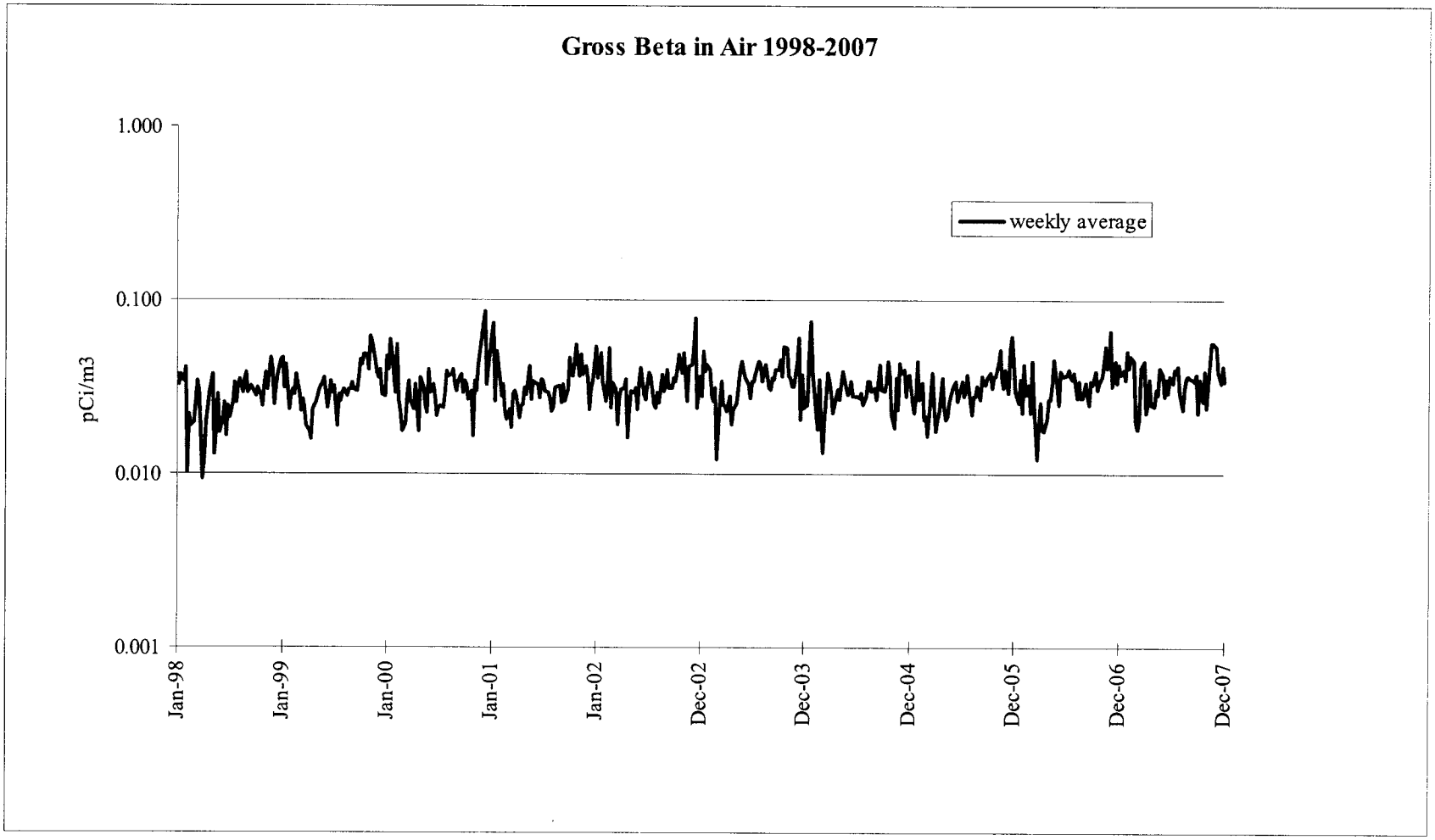
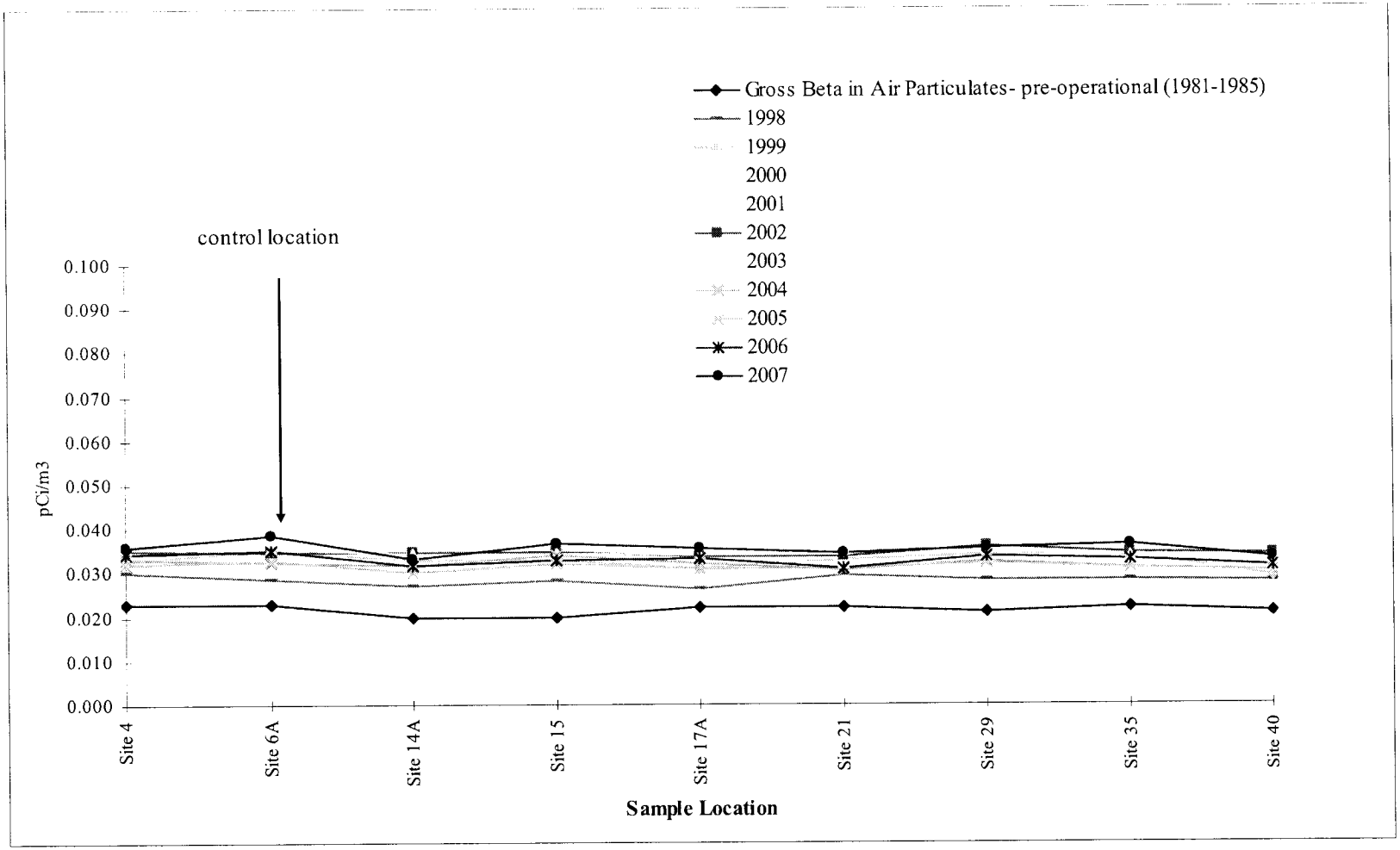
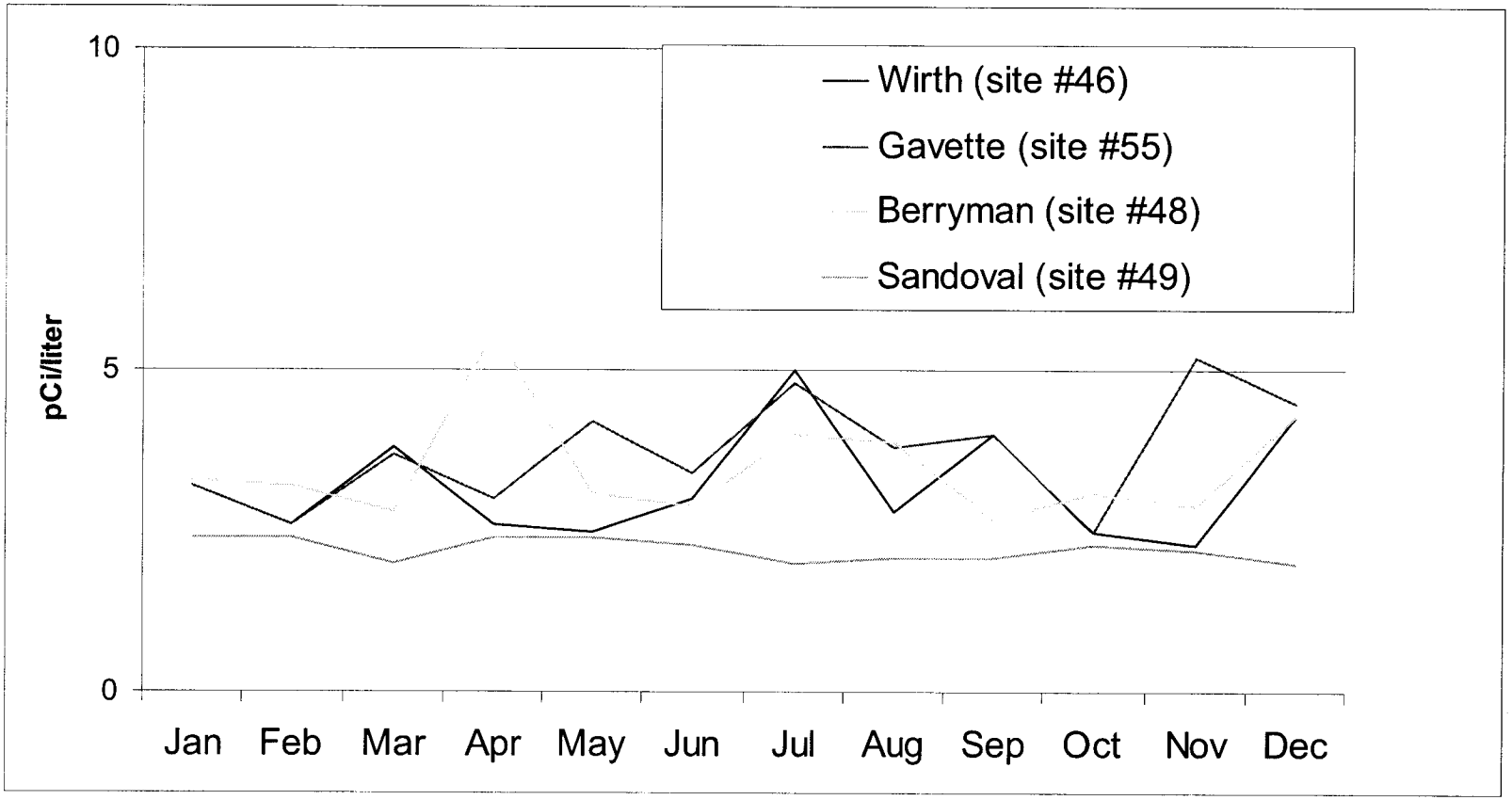


FIGURE 8.2 HISTORICAL GROSS BETA IN AIR (ANNUAL SITE TO SITE COMPARISONS) COMPARED TO PRE-OP



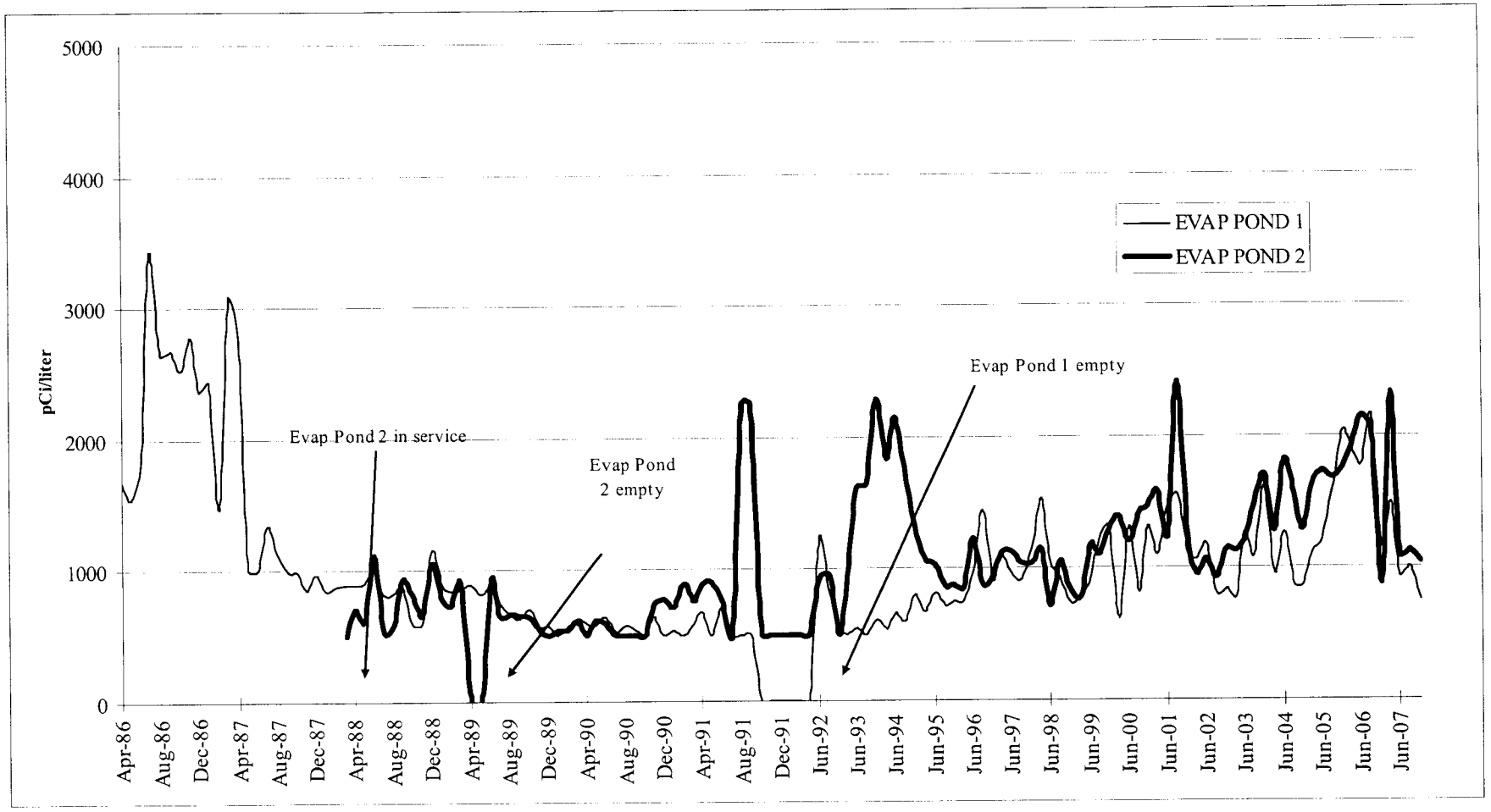
Site 7A is not included since the location changed since the pre-operational period
A known high bias has occurred in gross beta data since the onsite laboratory began analysis in 1994

FIGURE 8.3 GROSS BETA IN DRINKING WATER



NOTES: MDA values plotted as activity (e.g. <2.3 is plotted as 2.3)

FIGURE 8.4 EVAPORATIO' 'OND TRITIUM ACTIVITY



9. Thermoluminescent Dosimeter (TLD) Results and Data

The environmental TLD used at PVNGS is the Panasonic Model 812 Dosimeter. The Model 812 is a multi-element dosimeter combining two elements of lithium borate and two elements of calcium sulfate under various filters.

TLDs were placed in forty-nine locations from one to thirty-five miles from the PVNGS. TLD locations are shown in Figures 2.1 and 2.2 and are described in Table 9.1. TLD results for 2007 are presented in Table 9.2. Historical environmental gamma radiation results for 1985 through 2007 are presented in graphical form on Figure 9.1 (excluding transit control TLD #45).

Figure 9.2 depicts the environmental TLD results from 2007 as compared to the pre-operational TLD results (excluding sites #41, #43, and #46-50 as they were either deleted or had no pre-op TLD at these locations for comparison). The site to site comparisons indicate a direct correlation with respect to pre-operational results. It is evident that the offsite dose, as measured by TLDs, has not changed since Palo Verde became operational.

TABLE 9.1 TLD SITE LOCATIONS

(distances and directions are relative to Unit 2 in miles)

TLD SITE	LOCATION	LOCATION DESCRIPTION
1	E30	Goodyear
2	ENE24	Scott-Libby School
3	E21	Liberty School
4	E16	Buckeye
5	ESE11	Palo Verde School
6*	SSE31	APS Gila Bend substation
7	SE7	Old US 80 and Arlington School Rd
8	SSE4	Southern Pacific Pipeline Rd.
9	S5	Southern Pacific Pipeline Rd.
10	SE5	355th Ave. and Elliot Rd.
11	ESE5	339th Ave. and Dobbins Rd.
12	E5	339th Ave. and Buckeye-Salome Rd.
13	N1	N site boundary
14	NNE2	NNE site boundary
15	NE2	NE site boundary, WRF access road
16	ENE2	ENE site boundary
17	E2	E site boundary
18	ESE2	ESE site boundary
19	SE2	SE site boundary
20	SSE2	SSE site boundary
21	S3	S site boundary
22	SSW3	SSW site boundary
23	W5	N of Elliot Rd
24	SW4	N of Elliot Rd
25	WSW5	N of Elliot Rd
26	SSW4	S of Elliot Rd
27	SW1	SW site boundary
28	WSW1	WSW site boundary
29	W1	W site boundary
30	WNW1	WNW site boundary
31	NW1	NW site boundary
32	NNW1	NNW site boundary
33	NW4	S of Buckeye Rd
34	NNW5	395th Ave. and Van Buren St.
35	NNW8	Tonopah
36	N5	Wintersburg Rd. and Van Buren St.
37	NNE5	363rd Ave. and Van Buren St.
38	NE5	355th Ave. and Buckeye Rd.
39	ENE5	343rd Ave. N of Broadway Rd.
40	N2	Wintersburg
41	ESE3	Arlington School
42	N8	Ruth Fisher School

TABLE 9.1 TLD SITE LOCATIONS

(distances and directions are relative to Unit 2 in miles)

TLD SITE	LOCATION	LOCATION DESCRIPTION
43	NE5	Winters Well School
44*	ENE35	El Mirage
45**	Onsite	Central Laboratory (lead pig)
46	ENE30	Litchfield Park School
47	E35	Littleton School
48	E24	Jackrabbit Trail
49	ENE11	Palo Verde Rd.
50	WNW5	S of Buckeye-Salome Rd.

* Site #6 and site #44 are the control locations.

** Site #45 is the transit control TLD (stored in lead pig).

TABLE 9.2 2007 ENVIRONMENTAL TLD RESULTS

Units are mrem/std qtr

TLD Site #	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Average
1	22.8	25.6	19.0	22.0	22.4
2	23.0	21.8	18.9	20.4	21.0
3	22.9	21.2	18.7	20.7	20.9
4	23.4	22.7	20.1	22.2	22.1
5	21.7	21.4	18.4	20.5	20.5
6 (control)	27.7	25.9	22.5	25.4	25.4
7	26.1	24.3	23.4	24.5	24.6
8	24.0	24.0	20.0	22.4	22.6
9	26.9	25.9	23.5	27.4	25.9
10	25.0	23.9	20.3	23.3	23.1
11	26.3	24.4	21.1	23.8	23.9
12	24.5	23.6	19.9	21.4	22.4
13	26.2	25.4	21.8	24.3	24.4
14	24.2	23.4	19.6	24.3	22.9
15	25.4	23.8	20.0	22.5	22.9
16	23.3	22.6	18.5	20.5	21.2
17	26.3	24.8	21.2	23.8	24.0
18	25.1	23.3	19.7	23.1	22.8
19	26.7	24.7	21.7	23.7	24.2
20	25.1	23.7	20.7	24.1	23.4
21	26.6	25.0	20.7	24.5	24.2
22	28.1	25.9	22.1	25.4	25.4
23	23.8	22.9	19.6	21.9	22.1
24	23.1	22.5	18.9	21.4	21.5
25	23.0	21.5	19.6	22.3	21.6
26	28.9	26.2	23.7	26.1	26.2
27	28.0	26.6	24.1	26.8	26.4
28	26.4	24.9	22.7	26.1	25.0
29	25.0	22.6	21.4	23.6	23.2
30	27.0	24.7	22.3	24.4	24.6
31	24.7	21.7	19.9	23.0	22.3
32	26.7	23.7	21.6	24.6	24.2
33	26.9	26.5	22.4	24.5	25.1
34	29.2	28.7	24.5	27.0	27.4
35	32.3	32.2	27.2	30.4	30.5
36	26.8	25.3	22.9	23.8	24.7
37	23.4	23.6	20.8	22.8	22.7
38	28.4	27.4	24.7	26.7	26.8
39	24.8	23.9	21.5	23.5	23.4
40	26.0	24.7	20.6	24.4	23.9
41	24.4	23.2	20.6	22.5	22.7
42	31.2	30.2	27.2	27.6	29.1
43	NA	NA	NA	26.3	26.3
44 (control)	20.7	19.7	17.7	19.2	19.3
45 (transit control)	5.6	5.5	4.8	5.3	5.3
46	28.1	27.0	23.6	25.0	25.9
47	24.2	23.1	20.8	22.1	22.6
48	25.1	23.2	21.5	22.4	23.1
49	23.4	21.6	19.8	22.1	21.7
50	20.0	18.2	17.0	18.8	18.5

FIGURE 9.1 NETWORK ENVIRONMENTAL TLD EXPOSURE RATES

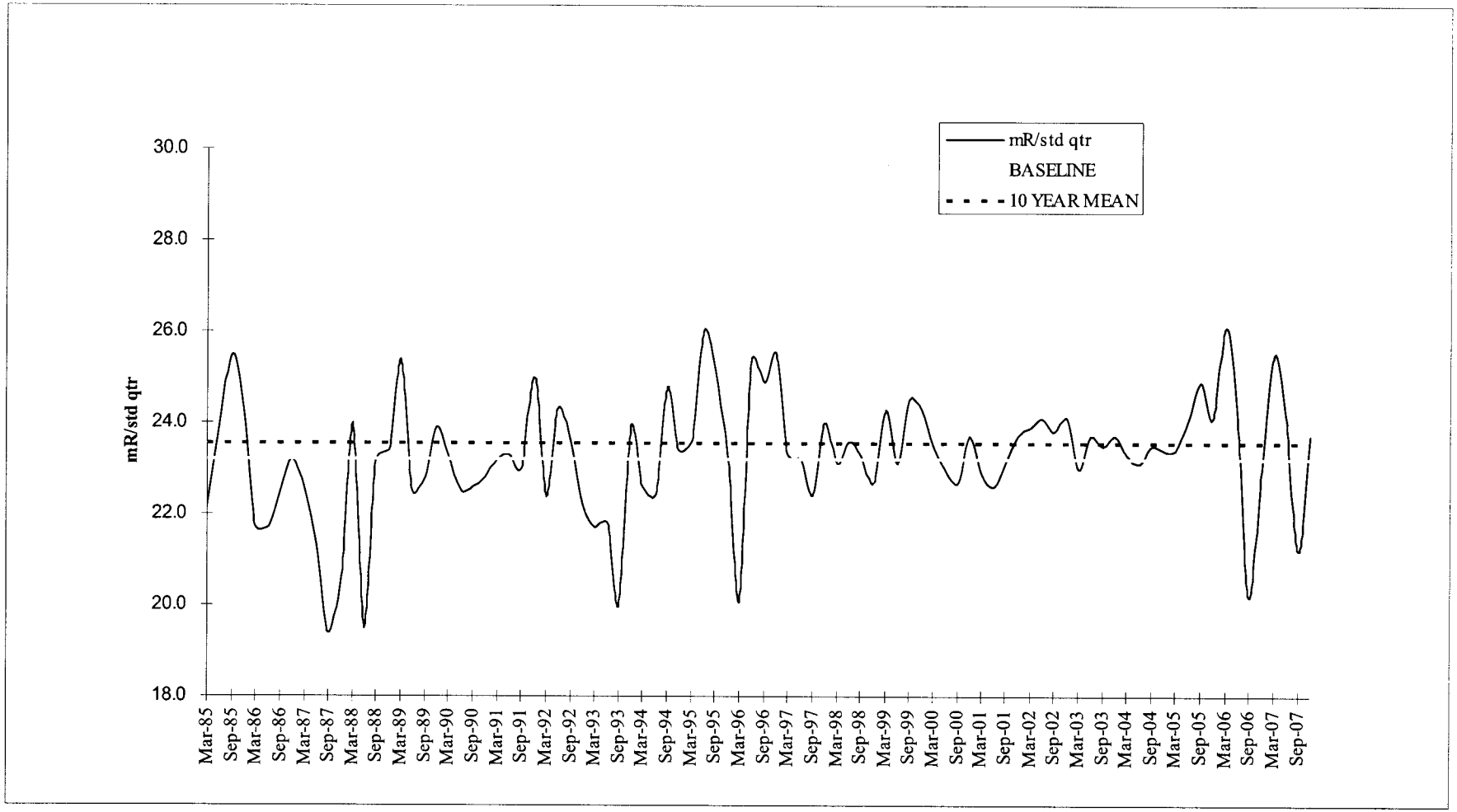
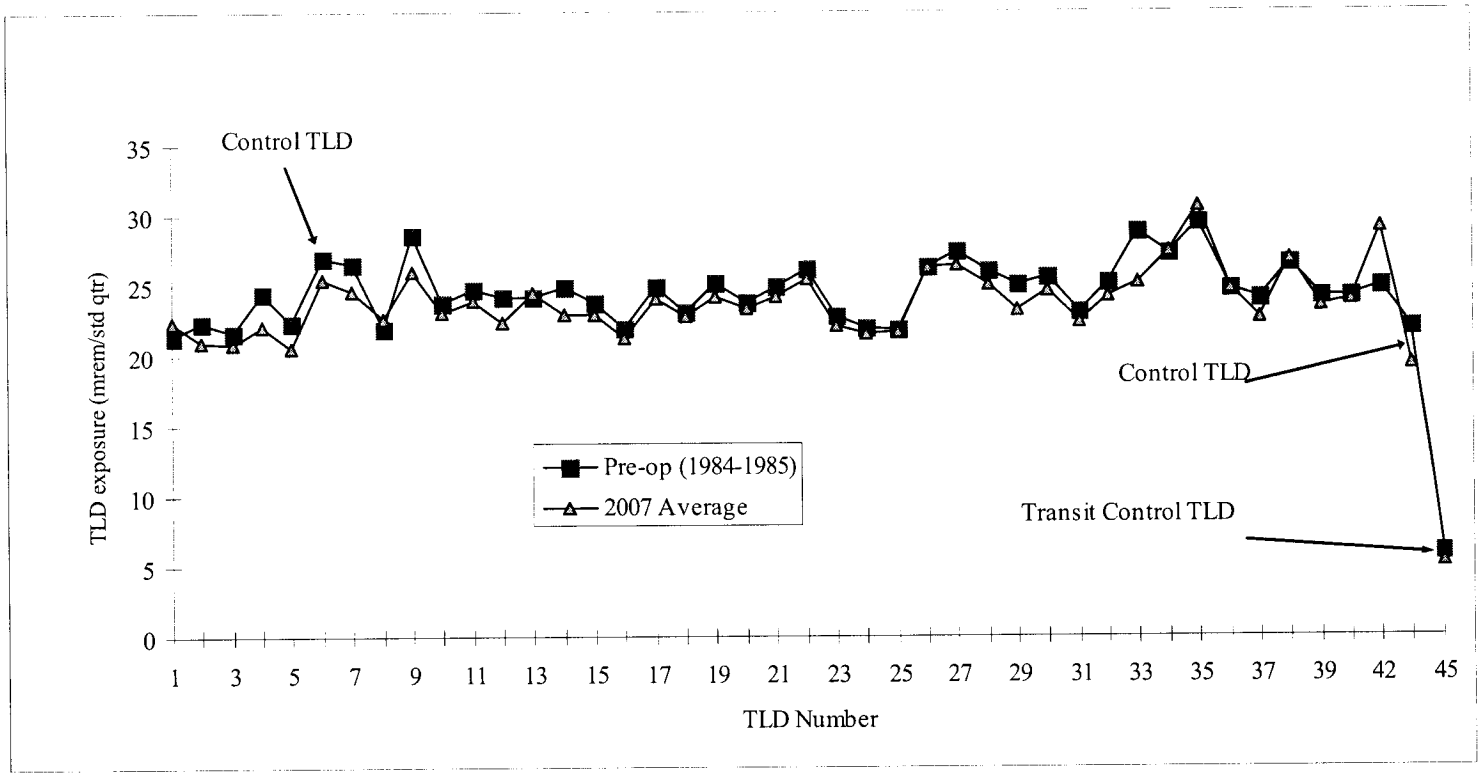


FIGURE 9.2 ENVIRONMENTAL TLD COMPARISON - PRE-OPERATIONAL VS 2007



TLD #41 monitoring location was deleted in June, 2000 due to school closing (this TLD was placed at new school in 2004)
TLD #43 monitoring location was deleted in 1994 due to school closing (this TLD was placed at a new school in 2007)
TLDs #46-50 are not included since they were not included in the pre-op monitoring program

10. Land Use Census

10.1. Introduction

In accordance with the PVNGS ODCM, Section 6.2, the annual Land Use Census was performed within five miles of Unit 2 containment in May-June 2007.

Observations were made in each of the 16 meteorological sectors to determine the nearest milking animals, residences, and gardens of greater than 500 square feet. This census was completed by driving the roads and speaking with residents.

The results of the Land Use Census are presented in Table 10.1 and discussed below. The directions and distances listed are in sectors and miles from the Unit 2 containment.

10.2. Census Results

Nearest Resident

There were two (2) changes in nearest resident status. Dose calculations indicated the highest dose to be 0.188 mrem.

Milk Animal

There was one (1) change in milk animal (goat, control location, NE30) status. Dose calculations indicated the highest dose to be 0.273 mrem.

Vegetable Gardens

There were three (3) changes in nearest garden status. Dose calculations indicated the highest dose to be 0.209 mrem.

See Table 10.1 for a summary of the specific results and Table 2.1 for current sample locations.

TABLE 10.1 2007 LAND USE CENSUS

(Distances and directions are relative to Unit 2 in miles)

SECTOR	NEAREST RESIDENT	NEAREST GARDEN	NEAREST MILK ANIMAL (COW/GOAT)	CALCULATED DOSE (mrem)		CHANGE FROM 2006
N	1.55	3.10	NONE	Resident Garden	3.94E-02 9.07E-02	
NNE	1.52	**3.30**	2.05	Resident Garden Milk	6.98E-02 1.50E-01 2.73E-01	**Garden**
NE	2.16	NONE	3.91	Resident Milk	9.53E-02 2.50E-01	
ENE	**2.16**	**2.63**	4.84	Resident Garden Milk	5.84E-02 2.09E-01 8.53E-02	**Resident** **Garden**
E	2.81	NONE	NONE	Resident	5.51E-02	
ESE	1.89	**NONE**	NONE	Resident	1.15E-01	**Garden**
SE	**3.36**	NONE	NONE	Resident	7.91E-02	**Resident**
SSE	NONE	NONE	NONE	NA		
S	NONE	NONE	NONE	NA		
SSW	NONE	NONE	NONE	NA		
SW	1.39	NONE	NONE	Resident	1.88E-01	
WSW	0.75	NONE	NONE	Resident	1.00E-01	
W	0.70	NONE	NONE	Resident	5.94E-02	
WNW	2.67	NONE	NONE	Resident	1.06E-02	
NW	0.93	NONE	NONE	Resident	3.83E-02	
NNW	1.30	NONE	NONE	Resident	3.25E-02	

COMMENTS:

Dose calculations were performed using the GASPAR code and 2006 meteorological data and source term. Dose reported for each location is the total for all three PVNGS Units and is the highest individual dose identified (organ, bone, total body, or skin).

11. Summary and Conclusions

The conclusions are based on a review of the radio assay results and background gamma radiation measurements for the 2007 calendar year. Where possible, the data were compared to pre-operational sample data.

All sample results for 2007 are presented in Tables 8.1-8.11 and do not include observations of naturally occurring radionuclides, with the exception of gross beta in air and gross beta in drinking water. Table 11.1 summarizes the ODCM required samples and is in the format required by the NRC BTP on Environmental Monitoring.

I-131 concentrations identified on occasion in the Evaporation Ponds, WRF Influent, WRF Centrifuge sludge, and Reservoirs is the result of offsite sources and appears in the effluent sewage from Phoenix. The levels of I-131 detected in these locations are consistent with levels identified in previous years.

Tritium concentrations identified in surface water onsite have been attributed to PVNGS permitted gaseous effluent releases and secondary plant releases. These concentrations are consistent with historical values.

Natural background radiation levels are consistent with measurements reported in previous Pre-operational and Operational Radiological Environmental annual reports, References 1 and 2.

The only measurable impact on the environment in 2007 was the low level tritium discovered in subsurface water onsite in the RCA in 2006. See Section 2.4 for specific information.

TABLE 11.1

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

Palo Verde Nuclear Generating Station
Maricopa County, Arizona

Docket Nos. STN 50-528/529/530
Calendar Year 2007

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD) (from Table 6.1)	All Indicator Locations Mean (f)[a] Range	Location with Highest Annual Mean Name Distance and Direction	Mean (f)[a] Range	Control Locations Mean (f)[a] Range	Number of Nonroutine Reported Measurements
Direct Radiation (mrem/std. qtr.)	TLD - 193	NA	23.7 (182/182) 17.0 – 32.3	Site #35 8 miles 330°	30.5 (4/4) 27.2 – 32.3	22.4 (8/8) 17.7 - 27.7	0
Air Particulates (pCi/m^3)	Gross Beta – 513	0.010	0.035 (462/462) 0.016 - 0.061	Site #15 2 miles 55°	0.037 (51/51) 0.019 - 0.061	0.039 (52/52) 0.019 - 0.069	0
	Gamma Spec. Composite - 40						
	Cs-134	0.05	<LLD	NA	<LLD	<LLD	0
	Cs-137	0.06	<LLD	NA	<LLD	<LLD	0
Air Radioiodine (pCi/m^3)	Gamma Spec. - 515 I-131	0.07	<LLD	NA	<LLD	<LLD	0
Broadleaf Vegetation (pCi/Kg-wet)	Gamma Spec. - 11						
	I-131	60	<LLD	NA	<LLD	<LLD	0
	Cs-134	60	<LLD	NA	<LLD	<LLD	0
	Cs-137	80	<LLD	NA	<LLD	<LLD	0
Groundwater (pCi/liter)	H-3 – 8	2000	<LLD	NA	<LLD	NA	0
	Gamma Spec. - 8						
	Mn-54	15	<LLD	NA	<LLD	NA	0
	Fe-59	30	<LLD	NA	<LLD	NA	0
	Co-58	15	<LLD	NA	<LLD	NA	0
	Co-60	15	<LLD	NA	<LLD	NA	0
	Zn-65	30	<LLD	NA	<LLD	NA	0
	Zr-95	30	<LLD	NA	<LLD	NA	0

TABLE 11.1

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

Palo Verde Nuclear Generating Station
Maricopa County, Arizona

Docket Nos. STN 50-528/529/530
Calendar Year 2007

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD) (from Table 6.1)	All Indicator Locations Mean (f)[a] Range	Location with Highest Annual Mean Name Distance and Direction	Mean (f)[a] Range	Control Locations Mean (f)[a] Range	Number of Nonroutine Reported Measurements
Groundwater (pCi/liter) -continued-	Nb-95	15	<LLD	NA	<LLD	NA	0
	I-131	15	<LLD	NA	<LLD	NA	0
	Cs-134	15	<LLD	NA	<LLD	NA	0
	Cs-137	18	<LLD	NA	<LLD	NA	0
	Ba-140	60	<LLD	NA	<LLD	NA	0
	La-140	15	<LLD	NA	<LLD	NA	0
	Gross Beta – 48	4.0	3.8 (22/48) 2.6 – 5.6	Site #48 1 mile 236°	4.5 (4/12) 3.9 – 5.6	NA	0
	H-3 – 16	2000	<LLD	NA	<LLD	NA	0
	Gamma Spec. – 48						
Drinking Water (pCi/liter)	Mn-54	15	<LLD	NA	<LLD	NA	0
	Fe-59	30	<LLD	NA	<LLD	NA	0
	Co-58	15	<LLD	NA	<LLD	NA	0
	Co-60	15	<LLD	NA	<LLD	NA	0
	Zn-65	30	<LLD	NA	<LLD	NA	0
	Zr-95	30	<LLD	NA	<LLD	NA	0
	Nb-95	15	<LLD	NA	<LLD	NA	0
	I-131	15	<LLD	NA	<LLD	NA	0
	Cs-134	15	<LLD	NA	<LLD	NA	0
	Cs-137	18	<LLD	NA	<LLD	NA	0
	Ba-140	60	<LLD	NA	<LLD	NA	0
	La-140	15	<LLD	NA	<LLD	NA	0

TABLE 11.1

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

Palo Verde Nuclear Generating Station
Maricopa County, Arizona

Docket Nos. STN 50-528/529/530
Calendar Year 2007

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD) (from Table 6.1)	All Indicator Locations Mean (f)[a] Range	Location with Highest Annual Mean Name Distance and Direction	Mean (f)[a] Range	Control Locations Mean (f)[a] Range	Number of Nonroutine Reported Measurements
	Gamma Spec. – 8						
	I-131	1.0	<LLD	NA	<LLD	<LLD	0
Milk	Cs-134	15	<LLD	NA	<LLD	<LLD	0
(pCi/liter)	Cs-137	18	<LLD	NA	<LLD	<LLD	0
	Ba-140	60	<LLD	NA	<LLD	<LLD	0
	La-140	15	<LLD	NA	<LLD	<LLD	0
	Gamma Spec. - 36						
	Mn-54	15	<LLD	NA	<LLD	NA	0
	Fe-59	30	<LLD	NA	<LLD	NA	0
	Co-58	15	<LLD	NA	<LLD	NA	0
	Co-60	15	<LLD	NA	<LLD	NA	0
	Zn-65	30	<LLD	NA	<LLD	NA	0
	Zr-95	30	<LLD	NA	<LLD	NA	0
	Nb-95	15	<LLD	NA	<LLD	NA	0
Surface Water (pCi/liter)	I-131	15	16 (10/36) 9 - 23	Site #60 Onsite 67°	17 (5/12) 11 - 23	NA	0
	Cs-134	15	<LLD	NA	<LLD	NA	0
	Cs-137	18	<LLD	NA	<LLD	NA	0
	Ba-140	60	<LLD	NA	<LLD	NA	0
	La-140	15	<LLD	NA	<LLD	NA	0

TABLE 11.1

ENVIRONMENTAL RADIOLOGICAL MONITORING PROGRAM ANNUAL SUMMARY

Palo Verde Nuclear Generating Station
Maricopa County, Arizona

Docket Nos. STN 50-528/529/530
Calendar Year 2007

Medium or Pathway Sampled (Unit of Measurement)	Type and Total Number of Analyses Performed	Lower Limit of Detection (LLD) (from Table 6.1)	All Indicator Locations Mean (f)[a] Range	Location with Highest Annual Mean Name Distance and Direction	Mean (f)[a] Range	Control Locations Mean (f)[a] Range	Number of Nonroutine Reported Measurements
Surface Water (pCi/liter) -continued-	H-3 - 12	3000	1223 (8/12) 749 - 2323	Site #63 Onsite 175°	1398 (4/4) 1047 - 2323	NA	0

(a) Mean and range based upon detectable measurements only. Fraction of detectable measurements at specified locations is indicated in parentheses. (f)

NOTE: Miscellaneous samples that are not listed on Tables 2.1 and 9.1 (not ODCM required) are not included on this table.

12. References

1. Pre-Operational Radiological Monitoring Program, Summary Report 1979-1985
2. 1985-2006 Annual Radiological Environmental Operating Reports, Palo Verde Nuclear Generating Station
3. Palo Verde Nuclear Generating Station Technical Specifications and Technical Reference Manual
4. Offsite Dose Calculation Manual, PVNGS Units 1, 2, and 3
5. Regulatory Guide 4.1, Programs for Monitoring Radioactivity in the Environs of Nuclear Power Plants
6. Regulatory Guide 4.8, Environmental Technical Specifications for Nuclear Power Plants
7. NRC Radiological Assessment Branch Technical Position on Environmental Monitoring, Revision 1, November 1979 (Incorporated into NUREG-1301)

APPENDIX B

ELECTRONIC DATA

APPENDIX C

OTHER REQUIRED INFORMATION

C1 – VERTICAL TREND ANALYSIS

C2 – ANALYTICAL DATA OUTSIDE QA/QC OR PERMIT DETECTION LIMITS

C3 – SUMMARY OF ALL WELL DATA (2007)

C1 – VERTICAL TREND ANALYSIS

APPENDIX C – VERTICAL TREND ANALYSIS

Section 13.4.1 A.1 of the APP states "Using cross-sections of 3-D models, the report shall assess downward concentration trends for indicator parameters and AWQS constituents, if any, and shall consider such trends in combination with topography of the uppermost surface of the aquitard." For 2007, the only locations where vertical differences in groundwater quality were collected and, therefore, evaluated were PV-14H and PV-14HB, PV-193A and PV-193B, PV195A and PV-195B, PV-206A and PV-206B, and PV-33H and PV-33HB (Table C-1). However, due to the common screen interval of portions of these wells, only qualitative statements should be made.

Wells PV-14H and PV-14HB are screened from 20 to 80 feet below ground surface (bgs) and 58 to 63 feet bgs, respectively. Concentrations of the indicator parameters (i.e., boron, chloride, fluoride, and potassium) in the two wells were similar. For well PV-193A and PV-193B, screened from 35 to 95 feet bgs and 75 to 95 feet bgs, respectively, the concentrations of indicator parameters in the two wells were similar. For wells PV-195A and PV-195B, screened from 15 to 95 feet bgs and 75 to 95 feet bgs, respectively, the concentrations of boron in the shallow well (PV-195A) was slightly higher, and the concentration of chloride in the deeper well (PV-195B), was higher. For wells PV-206A and PV-206B, screened from 49 to 99 feet bgs and 89 to 99 feet bgs, respectively, the concentrations of boron was generally higher for the shallower well, PV-206A. The other indicator parameters for the two wells were similar. For wells PV-33H and PV-33HB, screened from 20 to 60 feet bgs and 47 to 57 feet bgs, respectively, the concentrations of the indicator parameters in the two wells were similar. The potassium concentrations reported for several sample dates were reported at levels greater than historical levels. It is believed that these elevated levels were due to a laboratory error. The laboratory error is being resolved.

According to PVNGS's December 1999 *APP Application Supplemental Information*, the depth to the aquitard or Middle Fine-Grained Unit (MFU) at PV-14H and PV-14HB is approximately 67 feet bgs (852 feet above mean sea level [amsl]). The depth to the top of the aquitard at PV-193A and PV-193B is approximately 56 feet bgs (884 feet amsl). The depth to the top of the aquitard at PV-206A and PV-206B is approximately 58 feet bgs (888 feet amsl) according to drilling logs. The depth to the top of the aquitard at PV-33H and PV-33HB is approximately 56 feet bgs (858 feet amsl) according to drilling logs. The depth to the top of the aquitard at PV-195A and PV-195B is estimated to be 49 feet bgs (870 feet amsl) based on data presented in the map titled "Structure Contour Map Top of Middle Fine Grained Unit (Aquitard)" by Hargis and Associates (November 1998).

Well PV-14H is screened above and below the uppermost surface of the aquitard, and Well PV-14HB is screened above the uppermost surface of the aquitard. However, the screened intervals in the PV-193A/B, PV-195A/B, and PV-206A/B cluster wells are below the uppermost surface of the aquitard. Water levels in the PV-193A/B and PV-206A/B clusters have historically been below the uppermost surface of the aquitard. The water level in the PV-195A/B cluster is currently above the estimated uppermost surface of the aquitard. The lower screened intervals for wells PV-33H and PV-33HB are below the uppermost surface of the aquitard

Based on the available information, and the fact that well clusters are commonly screened across the same intervals, the impact of the aquitard on water quality appears limited, and the water quality is primarily a function of the soil chemistry and the preferential leaching of constituents from the fine-grained soil largely due to infiltration when the property was under irrigated agriculture. Based on the large number of grains size analyses and permeability tests conducted on both the Upper Alluvial Unit (UAU) and the MFU, the bulk vertical permeability of the MFU is significantly lower than the UAU. However, some percentage of the former agricultural irrigation water would likely migrate into the MFU.

TABLE C-1. 2007 INDICATOR PARAMETER RESULTS TO ASSESS VERTICAL CONCENTRATION TRENDS

LOCATION	SCREENED INTERVAL (feet amsl)	SAMPLE DATE	GROUNDWATER CONCENTRATION (mg/L)				AQUITARD ELEVATION (feet amsl)
			Boron	Chloride	Fluoride	Potassium	
PV-14H	899.1 - 839.1	3/7/07	6.5	2300	8.8	3.9	852
	899.1 -839.1	6/22/07	6.9	2400	8.6	2.1	
	899.1 -839.2	8/17/07	7.0	2300	8.0	9.4	
	899.1 -839.3	11/16/07	6.2	2300			
PV-14HB	860.7 - 855.7	1/17/07	7.0	2500	10	1.6	852
	860.7 - 855.7	3/7/07	6.4	2300	9.2	4.3	
	860.7 - 855.7	6/22/07	7.0	2400	9.3	3.8	
	860.7 - 855.7	8/17/07	7.4	2400	8.4	9.6	
PV-193A	905.6-845.6	2/16/07	6.2	6500	5.3	3.7	884
	905.6-845.6	4/3/07	6.1	6100	3.7	6.4	
	905.6-845.6	6/12/07	5.9	4900	5.8	3.3	
	905.6-845.6	7/13/07	5.7	6700	2.7	4.2	
	905.6-845.6	7/27/07	6.3	6200	5.7	16.0	
	905.6-845.6	10/3/07	6.1	5900	2.3	6.3	
PV-193B	865.9-845.9	4/4/07	5.9	7200	3.6	6.0	884
	865.9-845.9	7/13/07	5.7	5900	5.3	5.7	
	865.9-845.9	10/3/07	6.0	5300	2.5	7.1	
PV-195A	904.1-824.1	1/23/07	23	7700	5.4	9.0	870
	904.1-824.1	3/8/07	21	9600	4.0	9.7	
	904.1-824.1	6/28/07	24	9100	4.0	8.0	
	904.1-824.1	8/28/07	25	8400	8.6	39.0	
	904.1-824.1	11/16/07	20	8200			
PV-195B	844.2-824.2	1/23/07	14	15000	3.3	18.0	870
	844.2-824.2	3/8/07	13	15000	2.5	6.1	
	844.2-824.2	6/28/07	16	15000	2.5	21.0	
	844.2-824.2	8/28/07	16	14000	7.5	59.0	
PV-206A	897.3 - 847.3	2/8/07	13	7300	7.0	9.8	888
	897.3 - 847.3	5/2/07	14	7600	4.4	18.0	
	897.3 - 847.3	7/20/07	15	6700	6.3	16.0	
	897.3 - 847.3	10/30/07	23	6300			
PV-206B	857.07 - 847.07	2/14/07	8.0	6300	5.0	14.0	888
	857.07 - 847.07	5/3/07	7.8	7300	3.3	15.0	
	857.07 - 847.07	11/2/06	8.1	7400	4.5	19.0	
PV-33H	893.8 - 853.8	2/26/07	6.0	4400	2.6	6.6	858
	893.8 - 853.8	4/19/07	7.6	3800	4.4	2.1	
	893.8 - 853.8	6/5/07	6.5	4300	6.0	26.0	
PV-33HB	866.7 - 856.7	4/19/07	6.7	4400	4.3	2.7	858
	866.7 - 856.7	6/5/07	7.2	4100	6.0	15.0	

amsl = above mean sea level
mg/L = milligrams per liter

C2 – ANALYTICAL DATA OUTSIDE QA/QC OR PERMIT DETECTION LIMITS

TABLE C-2. ANALYTICAL DATA OUTSIDE QA/QC OR PERMIT DETECTION LIMITS SUMMARY

LOCATION	SAMPLE DATE	ANALYSIS DATE	METHOD	ANALYTE	RESULT	REPORTING LIMIT	UNITS	QUALIFIER	COMMENT
East Retention Basin	2/13/2007	2/20/2007	MCAWW 340.2	Fluoride	0.33	0.1	mg/L	J	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
East Retention Basin	2/13/2007	2/26/2007	MCAWW 300.0A	Fluoride	<10	10	mg/L	G	(G) Elevated reporting limit. The reporting limit is elevated due to matrix interference.
East Retention Basin	2/13/2007	2/21/2007	MCAWW 200.8	Thallium	<1	1	ug/L	J	(J) Method blank contamination. The associated method blank contains the target analyte at a reportable level.
West Retention Basin	2/13/2007	2/26/2007	MCAWW 300.0A	Fluoride	<10	10	mg/L	G	(G) Elevated reporting limit. The reporting limit is elevated due to matrix interference.
West Retention Basin	2/13/2007	2/20/2007	MCAWW 300.0A	Fluoride	0.23	0.1	mg/L	J	Method blank contamination. The associated method blank contains the target analyte at a reportable level.
Evaporation Pond 1	2/13/2007	2/24/2007	MCAWW 300.0A	Sulfate	20,000	2,500	mg/L	J	(J) Method blank contamination. The associated method blank contains the target analyte at a reportable level.
Evaporation Pond 1	2/13/2007	2/24/2007	MCAWW 300.0A	Fluoride	<50	50	mg/L	G	(G) Elevated reporting limit. The reporting limit is elevated due to matrix interference.
Evaporation Pond 1	2/13/2007	2/22/2007	MCAWW 310.1	Total Alkalinity	320	5	mg/L	J	Method blank contamination. The associated method blank contains the target analyte at a reportable level
Evaporation Pond 1	2/13/2007	2/20/2007	MCAWW 340.2	Fluoride	24	0.1	mg/L	J	Method blank contamination. The associated method blank contains the target analyte at a reportable level
Evaporation Pond 2	2/13/2007	2/24/2007	MCAWW 300.0A	Sulfate	15,000	2,500	mg/L	J	(J) Method blank contamination. The associated method blank contains the target analyte at a reportable level.
Evaporation Pond 2	2/13/2007	2/24/2007	MCAWW 300.0A	Fluoride	<100	100	mg/L	G	(G) Elevated reporting limit. The reporting limit is elevated due to matrix interference.
Evaporation Pond 2	2/13/2007	2/22/2007	MCAWW 310.1	Total Alkalinity	800	5	mg/L	J	(J) Method blank contamination. The associated method blank contains the target analyte at a reportable level.
Evaporation Pond 2	2/13/2007	2/20/2007	MCAWW 340.2	Fluoride	42	0.5	mg/L	J	(J) Method blank contamination. The associated method blank contains the target analyte at a reportable level.
APP-3	2/15/2007	2/21/2007	EPA 200.7-Diss	Sodium, Dissolved	500	0.5	mg/L	M3	M3-The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
APP-3	6/11/2007	6/19/2007	EPA 200.7-Diss	Sodium, Dissolved	510	0.5	mg/L	M3	M3-The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
APP-6	3/7/2007	3/15/2007	EPA 200.7-Diss	Sodium, Dissolved	280	0.5	mg/L	M3	M3-The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
APP-6	6/12/2007	6/18/2007	EPA 200.7-Diss	Sodium, Dissolved	260	0.5	mg/L	M3	M3-The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
APP-6	8/17/2007	8/27/2007	EPA 200.8	Beryllium, Dissolved	<0.001	0.001	mg/L	V1	V1-CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
APP-6	8/17/2007	8/29/2007	EPA 525.2	Bis(2-ethylhexyl)phthalate	0.028	0.0006	mg/L	L3	L3-The associated blank spike recovery was above method acceptance limits
PV-14H	3/7/2007	3/15/2007	EPA 200.8-Diss	Cadmium (dissolved)	<0.001	0.001	mg/L	M2	M2-Matrix spike recovery was low; the associated blank spike recovery was acceptable.
PV-14H	6/22/2007	7/5/2007	EPA 200.7	Potassium	2.1	0.5	mg/L	M1	M1-Matrix spike recovery was high; the associated blank spike recovery was acceptable.
PV-14H	6/22/2007	7/5/2007	EPA 200.7	Sodium	2,500	5	mg/L	M3	M3-The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
PV-14H	8/17/2007	8/23/2007	EPA 245.1	Mercury	<0.0002	0.0002	mg/L	M2	M2-Matrix spike recovery was low; the associated blank spike recovery was acceptable.
PV-14H	8/17/2007	8/22/2007	EPA 200.7	Potassium	9.4	2	mg/L	Q5	Q5-Sample received with inadequate chemical preservation, but preserved by the laboratory.

TABLE C-2. ANALYTICAL DATA OUTSIDE QA/QC OR PERMIT DETECTION LIMITS SUMMARY

LOCATION	SAMPLE DATE	ANALYSIS DATE	METHOD	ANALYTE	RESULT	REPORTING LIMIT	UNITS	QUALIFIER	COMMENT
PV-14H	8/17/2007	8/27/2007	EPA 200.8	Beryllium	<0.001	0.001	mg/L	V1	V1-CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
PV-14HB	3/7/2007	4/2/2007	EPA 200.7-Diss	Potassium, Dissolved	4.6	0.5	mg/L	M3	M3-The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
PV-14HB	8/17/2007	8/22/2007	EPA 200.7	Potassium	9.6	2	mg/L	Q5	Q5-Sample received with inadequate chemical preservation, but preserved by the laboratory.
PV-193A	6/12/2007	6/22/2007	EPA 200.7	Boron	5.9	0.5	mg/L	N1	N1 - Dissolved Boron was slightly greater than the total Boron for samples PQF0563. The values were reviewed and were reported correctly.
PV-193A	6/12/2007	6/22/2007	EPA 200.7	Boron, Dissolved	6.1	0.5	mg/L	N1	N1 - Dissolved Boron was slightly greater than the total Boron for samples PQF0563. The values were reviewed and were reported correctly.
PV-193A	10/3/2007	10/12/2007	EPA 200.8	Antimony	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L.
PV-193A	10/3/2007	10/12/2007	EPA 200.8	Arsenic	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-193A	10/3/2007	10/12/2007	EPA 200.8	Beryllium	<0.0025	0.0025	mg/L	D1	D1-Sample required dilution due to matrix
PV-193A	10/3/2007	10/12/2007	EPA 200.8	Cadmium	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-193A	10/3/2007	10/12/2007	EPA 200.8	Lead	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-193A	10/3/2007	10/12/2007	EPA 200.8	Nickel	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix
PV-193A	10/3/2007	10/10/2007	EPA 200.7-Diss	Potassium, Dissolved	<5	5	mg/L	D1	D1-Sample required dilution due to matrix
PV-193A	10/3/2007	10/10/2007	EPA 200.7-Diss	Sodium, Dissolved	3,200	5	mg/L	M3	M3-The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
PV-193A	10/3/2007	10/12/2007	EPA 200.8	Thallium	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-195A	3/8/2007	3/16/2007	EPA 200.8-Diss	Antimony (dissolved)	<0.02	0.02	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-195A	3/8/2007	3/16/2007	EPA 200.8-Diss	Beryllium, Dissolved	<0.002	0.002	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	3/8/2007	3/16/2007	EPA 200.8-Diss	Cadmium (dissolved)	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	3/8/2007	3/16/2007	EPA 200.8-Diss	Chromium (dissolved)	<0.02	0.02	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	3/8/2007	3/16/2007	EPA 200.8-Diss	Lead, Dissolved	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	3/8/2007	3/16/2007	EPA 200.8-Diss	Nickel, Dissolved	<0.02	0.02	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	3/8/2007	3/16/2007	EPA 200.7-Diss	Potassium, Dissolved	9.7	5	mg/L	B7	B7-Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.
PV-195A	3/8/2007	3/16/2007	EPA 200.8-Diss	Thallium (dissolved)	<0.002	0.002	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	6/28/2007	7/9/2007	EPA 200.8	Antimony	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	6/28/2007	7/11/2007	EPA 200.8-Diss	Antimony (dissolved)	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	6/28/2007	7/7/2007	EPA 200.8	Beryllium	<0.0025	0.0025	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	6/28/2007	7/11/2007	EPA 200.8-Diss	Beryllium, Dissolved	<0.0025	0.0025	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	6/28/2007	7/9/2007	EPA 200.8	Cadmium	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	6/28/2007	7/11/2007	EPA 200.8-Diss	Cadmium (dissolved)	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	6/28/2007	7/9/2007	EPA 200.8	Lead	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	6/28/2007	7/11/2007	EPA 200.8-Diss	Lead, Dissolved	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	6/28/2007	7/10/2007	EPA 245.1	Mercury	<0.0002	0.0002	mg/L	M2	M2-Matrix spike recovery was low; the associated blank spike recovery was acceptable.
PV-195A	6/28/2007	7/9/2007	EPA 200.8	Nickel	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	6/28/2007	7/11/2007	EPA 200.8-Diss	Nickel, Dissolved	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	6/28/2007	7/9/2007	EPA 200.8	Thallium	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-195A	6/28/2007	7/11/2007	EPA 200.8-Diss	Thallium (dissolved)	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-195A	8/28/2007	9/6/2007	EPA 200.8	Antimony	<0.015	5	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L

TABLE C-2. ANALYTICAL DATA OUTSIDE QA/QC OR PERMIT DETECTION LIMITS SUMMARY

LOCATION	SAMPLE DATE	ANALYSIS DATE	METHOD	ANALYTE	RESULT	REPORTING LIMIT	UNITS	QUALIFIER	COMMENT
PV-195A	8/28/2007	9/11/2007	EPA 200.8	Antimony (dissolved)	<0.03	0.03	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-195A	8/28/2007	9/6/2007	EPA 200.8	Beryllium	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-195A	8/28/2007	9/11/2007	EPA 200.8	Beryllium, Dissolved	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-195A	8/28/2007	9/6/2007	EPA 200.8	Cadmium	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	8/28/2007	9/11/2007	EPA 200.8	Cadmium (dissolved)	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	8/28/2007	9/6/2007	EPA 200.8	Lead	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	8/28/2007	9/11/2007	EPA 200.8	Lead, Dissolved	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix
PV-195A	8/28/2007	9/6/2007	EPA 200.8	Thallium	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-195A	8/28/2007	9/11/2007	EPA 200.8	Thallium (dissolved)	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-195A	8/28/2007	9/4/2007	SM2540C	Total Dissolved Solids	27,000	40	mg/L	N1	N1a The TDS was analyzed initially within the 7 day hold time. However , the initial residue was greater than the method required weight allowed. The sample was re-anlayzed after the 7 day holding time had expired. Both results are being reported.
PV-195A	8/28/2007	9/6/2007	SM2540C	Total Dissolved Solids	28,000	200	mg/L	H2,N1	H2-Initial analysis within holding time. Reanalysis for the required dilution was past holding time. N1 The TDS was analyzed initially within the 7 day hold time. However , the initial residue was greater than the method required weight allowed. The sample was re-anlayzed after the 7 day holding time had expired. Both results are being reported.
PV-198AR	2/9/2007	2/14/2007	EPA 200.8-Diss	Antimony (dissolved)	<0.004	0.004	mg/L	D1	D1-Sample required dilution due to matrix
PV-198AR	2/9/2007	2/14/2007	EPA 200.8-Diss	Beryllium, Dissolved	<0.001	0.001	mg/L	D1	D1-Sample required dilution due to matrix
PV-198AR	2/9/2007	2/14/2007	EPA 200.8-Diss	Cadmium (dissolved)	<0.002	0.002	mg/L	D1	D1-Sample required dilution due to matrix
PV-198AR	2/9/2007	2/14/2007	EPA 200.8-Diss	Lead, Dissolved	<0.002	0.002	mg/L	D1	D1-Sample required dilution due to matrix
PV-198AR	2/9/2007	2/14/2007	EPA 200.7-Diss	Sodium, Dissolved	1,400	5	mg/L	N1	N1a - Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
PV-198AR	2/9/2007	2/14/2007	EPA 200.8-Diss	Thallium (dissolved)	<0.002	0.002	mg/L	D1	D1-Sample required dilution due to matrix
PV-198AR	5/8/2007	5/19/2007	EPA 200.8-Diss	Beryllium, Dissolved	<0.0005	0.0005	mg/L	V1	V1-CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
PV-198AR	7/26/2007	8/2/2007	EPA 200.7	Calcium, Dissolved	140	2	mg/L	M3	M3-The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
PV-206A	2/8/2007	2/14/2007	EPA 200.8-Diss	Antimony (dissolved)	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	2/8/2007	2/14/2007	EPA 200.8-Diss	Beryllium, Dissolved	<0.0025	0.0025	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	2/8/2007	2/14/2007	EPA 200.8-Diss	Cadmium (dissolved)	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	2/8/2007	2/14/2007	EPA 200.8-Diss	Lead, Dissolved	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	2/8/2007	2/14/2007	EPA 200.8-Diss	Thallium (dissolved)	<0.002	0.002	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	5/2/2007	5/11/2007	EPA 200.8-Diss	Antimony (dissolved)	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	5/2/2007	5/11/2007	EPA 200.8-Diss	Arsenic (dissolved)	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	5/2/2007	5/11/2007	EPA 200.8-Diss	Beryllium, Dissolved	<0.0025	0.0025	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	5/2/2007	5/8/2007	EPA 200.7	Boron, Dissolved	14	0.5	mg/L	M1	M1-Matrix spike recovery was high; the associated blank spike recovery was acceptable.
PV-206A	5/2/2007	5/11/2007	EPA 200.8-Diss	Cadmium (dissolved)	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	5/2/2007	5/11/2007	EPA 200.8-Diss	Lead, Dissolved	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	5/2/2007	5/8/2007	EPA 200.7-Diss	Potassium, Dissolved	18	5	mg/L	M1	M1-Matrix spike recovery was high; the associated blank spike recovery was acceptable.
PV-206A	5/2/2007	5/8/2007	EPA 200.7-Diss	Sodium, Dissolved	5,400	5	mg/L	M3	M3-The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.

TABLE C-2. ANALYTICAL DATA OUTSIDE QA/QC OR PERMIT DETECTION LIMITS SUMMARY

LOCATION	SAMPLE DATE	ANALYSIS DATE	METHOD	ANALYTE	RESULT	REPORTING LIMIT	UNITS	QUALIFIER	COMMENT
PV-206A	5/2/2007	5/11/2007	EPA 200.8-Diss	Thallium (dissolved)	<0.002	0.002	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 200.8	Antimony	<0.01	0.01	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-206A	7/20/2007	8/1/2007	EPA 200.8-Diss	Antimony (dissolved)	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 200.8-Diss	Arsenic (dissolved)	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 525.2	Benzo(a)pyrene	<0.0002	0.0002	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 200.8	Beryllium	<0.0025	0.0025	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 200.8-Diss	Beryllium, Dissolved	<0.0025	0.0025	mg/L	V1,D1	V1-CCV recovery was above method acceptance limits. This target analyte was not detected in the sample., D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 525.2	Bis(2-ethylhexyl)phthalate	<0.006	0.006	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 200.8	Cadmium	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 200.8-Diss	Cadmium (dissolved)	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 525.2	Di (2-ethylhexyl) adipate	<0.006	0.006	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 525.2	Hexachlorobenzene	<0.001	0.001	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 525.2	Hexachlorocyclopentadiene	<0.001	0.001	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 200.8	Lead	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 200.8-Diss	Lead, Dissolved	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-206A	7/20/2007	8/1/2007	EPA 200.7-Diss	Sodium, Dissolved	5,800	5	mg/L	M3	M3-The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
PV-206A	7/20/2007	8/1/2007	EPA 200.8	Thallium	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-206A	7/20/2007	8/1/2007	EPA 200.8-Diss	Thallium (dissolved)	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-34H	3/7/2007	3/23/2007	EPA 200.7-Diss	Potassium, Dissolved	3.9	0.5	mg/L	M1	M1-Matrix spike recovery was high; the associated blank spike recovery was acceptable.
PV-34H	3/7/2007	3/23/2007	EPA 200.7-Diss	Potassium, Dissolved	3.9	0.5	mg/L	M1	M1-Matrix spike recovery was high; the associated blank spike recovery was acceptable.
PV-34H	6/12/2007	6/20/2007	EPA 300.0	Fluoride	13	1	mg/L	B4	B4-Target analyte detected in blank at or above method acceptance criteria.
PV-34H	6/12/2007	6/20/2007	EPA 300.0	Fluoride	13	1	mg/L	B4	B4-Target analyte detected in blank at or above method acceptance criteria.
PV-34H	6/12/2007	6/20/2007	EPA 300.0	Nitrate/Nitrite-N	72	20	mg/L	H3	H3-Sample was received and analyzed past holding time
PV-34H	8/3/2007	8/15/2007	EPA 200.8	Antimony	<0.015	0.015	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-34H	8/3/2007	8/15/2007	EPA 200.8	Beryllium	<0.005	0.005	mg/L	D1, V1	V1-CCV recovery was above method acceptance limits. This target analyte was not detected in the sample., D1-Sample required dilution due to matrix.
PV-34H	8/3/2007	8/15/2007	EPA 200.8	Cadmium	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-34H	8/3/2007	8/15/2007	EPA 200.8	Lead	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix
PV-34H	8/3/2007	8/15/2007	EPA 200.8	Thallium	<0.005	0.005	mg/L	D1	D1-Sample required dilution due to matrix. The reporting limit exceeds the CAL of 0.00 mg/L
PV-R2AR	3/16/2007	3/21/2007	EPA 200.7-Diss	Potassium, Dissolved	7.5	0.5	mg/L	M1	M1-Matrix spike recovery was high; the associated blank spike recovery was acceptable.
PV-R2AR	11/20/2007	12/17/2007	EPA 300.0	Chloride	5,200	500	mg/L	N1	N1-See case narrative. N1a Due to a client request, sample PQK0848-03, was re-analyzed for Chloride. Due to the high concentration of Chloride in the sample, a 1000X dilution was required for the sample to be in calibration range. The original concentration analyzed on 12/06/07 was 6,398 mg/L. On 12/17/07, the sample was re-analyzed with a final concentration of 5,169 mg/L (RPD of 21% for original and first re-analysis). A second re-analysis was performed on 12/18/07, with a final concentration of 5,212 mg/L (RPD of 20% for original and second re-analysis, and an RPD of 0.8% between the second and third analysis). No definitive cause has been determined to identify why the initial and second/third results did not confirm.

TABLE C-2. ANALYTICAL DATA OUTSIDE QA/QC OR PERMIT DETECTION LIMITS SUMMARY

LOCATION	SAMPLE DATE	ANALYSIS DATE	METHOD	ANALYTE	RESULT	REPORTING LIMIT	UNITS	QUALIFIER	COMMENT
PV-R2AR	11/20/2007	12/18/2007	EPA 300.0	Chloride	5,200	500	mg/L	N1	N1-See case narrative. N1a Due to a client request, sample PQK0848-03, was re-analyzed for Chloride. Due to the high concentration of Chloride in the sample, a 1000X dilution was required for the sample to be in calibration range. The original concentration analyzed on 12/06/07 was 6,398 mg/L. On 12/17/07, the sample was re-analyzed with a final concentration of 5,169 mg/L (RPD of 21% for original and first re-analysis). A second re-analysis was performed on 12/18/07, with a final concentration of 5,212 mg/L (RPD of 20% for original and second re-analysis, and an RPD of 0.8% between the second and third analysis). No definitive cause has been determined to identify why the initial and second/third results did not confirm.

C3 – SUMMARY OF ALL WELL DATA (2007)

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-3	2/15/2007	3/29/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	2/15/2007	3/29/2007	EPA 901.1	Iodine-131	≤	90	pCi/L	AZ0555
	2/15/2007	3/29/2007	EPA 901.1	Cesium-134	≤	67.5	pCi/L	AZ0555
	2/15/2007	3/29/2007	EPA 901.1	Cesium-137	≤	99	pCi/L	AZ0555
	2/15/2007	3/29/2007	EPA 901.1	Cobalt-60	≤	180	pCi/L	AZ0555
	2/15/2007	2/16/2007	EPA 150.1	pH	7.98		SU	AZ0426
	2/15/2007	2/17/2007	SM2510B	Specific Conductance	2800	1	umhos/cm	AZ0426
	2/15/2007	3/1/2007	Calculation	Ion Balance	-3.1		%	AZ0426
	2/15/2007	2/20/2007	SM2320B	Alkalinity	170	5	mg/L	AZ0426
	2/15/2007	2/21/2007	EPA 200.7	Calcium, Dissolved	24	2	mg/L	AZ0426
	2/15/2007	2/21/2007	EPA 200.7	Magnesium, Dissolved	13	0.5	mg/L	AZ0426
	2/15/2007	2/21/2007	EPA 200.7-Diss	Sodium, Dissolved	500	0.5	mg/L	AZ0426
	2/15/2007	2/23/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.002	mg/L	AZ0426
	2/15/2007	2/23/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.024	0.001	mg/L	AZ0426
	2/15/2007	2/23/2007	EPA 200.8-Diss	Barium (dissolved)	0.034	0.001	mg/L	AZ0426
	2/15/2007	2/21/2007	EPA 200.7	Boron, Dissolved	1.3	0.5	mg/L	AZ0426
	2/15/2007	2/23/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.0005	mg/L	AZ0426
	2/15/2007	2/23/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	2/15/2007	2/23/2007	EPA 200.8-Diss	Chromium (dissolved)	0.079	0.002	mg/L	AZ0426
	2/15/2007	2/19/2007	EPA 300.0	Chloride	640	50	mg/L	AZ0426
	2/15/2007	2/19/2007	EPA 300.0	Fluoride	6.1	1	mg/L	AZ0426
	2/15/2007	2/23/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	2/15/2007	2/22/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	2/15/2007	2/23/2007	EPA 200.8-Diss	Nickel, Dissolved	0.0078	0.002	mg/L	AZ0426
	2/15/2007	2/20/2007	EPA 353.2	Nitrate/Nitrite-N	7.4	0.1	mg/L	AZ0426
	2/15/2007	2/21/2007	EPA 200.7-Diss	Potassium, Dissolved	3.6	0.5	mg/L	AZ0426
	2/15/2007	2/23/2007	EPA 200.8-Diss	Selenium (dissolved)	0.0041	0.002	mg/L	AZ0426
	2/15/2007	2/19/2007	EPA 300.0	Sulfate	180	5	mg/L	AZ0426
	2/15/2007	2/17/2007	SM2540C	Total Dissolved Solids	1500	20	mg/L	AZ0426
	2/15/2007	2/23/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Benzene	≤	0.001	mg/L	AZ0426
	2/15/2007	2/20/2007	EPA 525.2	Benzo(a)pyrene	≤	0.00002	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Carbon Tetrachloride	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	1,2-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	1,4-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	1,2-Dichloroethane	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	1,1-Dichloroethene	≤	0.002	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-3	2/15/2007	2/27/2007	EPA 8260B	cis-1,2-Dichloroethene	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	trans-1,2-Dichloroethylene	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	1,2-Dichloropropane	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Methylene chloride	≤	0.005	mg/L	AZ0426
	2/15/2007	2/20/2007	EPA 525.2	Di (2-ethylhexyl) adipate	≤	0.0006	mg/L	AZ0426
	2/15/2007	2/20/2007	EPA 525.2	Bis(2-ethylhexyl)phthalate	≤	0.0006	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Ethylbenzene	≤	0.002	mg/L	AZ0426
	2/15/2007	2/20/2007	EPA 525.2	Hexachlorobenzene	≤	0.0001	mg/L	AZ0426
	2/15/2007	2/20/2007	EPA 525.2	Hexachlorocyclopentadiene	≤	0.0001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Chlorobenzene	≤	0.001	mg/L	AZ0426
	2/15/2007	2/21/2007	EPA 515.4	Pentachlorophenol	≤	0.00004	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Styrene	≤	0.001	mg/L	AZ0426
	2/15/2007	3/2/2007	EPA 1613B	2,3,7,8-TCDD	≤	0.00000005	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Tetrachloroethene	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Toluene	≤	0.002	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Total Trihalomethanes	≤	0.005	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	1,2,4-Trichlorobenzene	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	1,1,1-Trichloroethane	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	1,1,2-Trichloroethane	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Trichloroethene	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Vinyl chloride	≤	0.001	mg/L	AZ0426
	2/15/2007	2/27/2007	EPA 8260B	Total Xylenes	≤	0.003	mg/L	AZ0426
	6/11/2007	6/12/2007	SM4500H-B	pH	8.19		SU	AZ0426
	6/11/2007	6/12/2007	SM2510B	Specific Conductance	2500	1	umhos/cm	AZ0426
	6/11/2007	6/29/2007	Calculation	Ion Balance	5.9		%	AZ0426
	6/11/2007	6/14/2007	SM2320B	Alkalinity	180	5	mg/L	AZ0426
	6/11/2007	6/21/2007	EPA 200.7	Calcium	23	2	mg/L	AZ0426
	6/11/2007	6/21/2007	EPA 200.7	Calcium, Dissolved	22	2	mg/L	AZ0426
	6/11/2007	6/21/2007	EPA 200.7	Magnesium	13	0.5	mg/L	AZ0426
	6/11/2007	6/21/2007	EPA 200.7	Magnesium, Dissolved	13	0.5	mg/L	AZ0426
	6/11/2007	6/13/2007	EPA 200.7	Sodium	470	0.5	mg/L	AZ0426
	6/11/2007	6/19/2007	EPA 200.7-Diss	Sodium, Dissolved	510	0.5	mg/L	AZ0426
	6/11/2007	6/19/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	6/11/2007	6/15/2007	EPA 200.8	Antimony	≤	0.002	mg/L	AZ0426
	6/11/2007	6/18/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.001	mg/L	AZ0426
	6/11/2007	6/15/2007	EPA 200.8	Arsenic	0.023	0.001	mg/L	AZ0426
	6/11/2007	6/18/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.023	0.001	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-3	6/11/2007	6/15/2007	EPA 200.8	Barium	0.037	0.001	mg/L	AZ0426
	6/11/2007	6/18/2007	EPA 200.8-Diss	Barium (dissolved)	0.03	0.001	mg/L	AZ0426
	6/11/2007	6/21/2007	EPA 200.7	Boron	1.3	0.5	mg/L	AZ0426
	6/11/2007	6/21/2007	EPA 200.7	Boron, Dissolved	1.4	0.5	mg/L	AZ0426
	6/11/2007	6/15/2007	EPA 200.8	Beryllium	≤	0.0005	mg/L	AZ0426
	6/11/2007	6/18/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.00021	mg/L	AZ0426
	6/11/2007	6/15/2007	EPA 200.8	Cadmium	≤	0.001	mg/L	AZ0426
	6/11/2007	6/18/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	6/11/2007	6/15/2007	EPA 200.8	Chromium	0.066	0.002	mg/L	AZ0426
	6/11/2007	6/19/2007	EPA 200.8-Diss	Chromium (dissolved)	0.064	0.002	mg/L	AZ0426
	6/11/2007	6/13/2007	EPA 300.0	Chloride	510	50	mg/L	AZ0426
	6/11/2007	6/13/2007	EPA 300.0	Fluoride	5.5	1	mg/L	AZ0426
	6/11/2007	6/15/2007	EPA 200.8	Lead	0.0024	0.001	mg/L	AZ0426
	6/11/2007	6/18/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	6/11/2007	6/25/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	6/11/2007	6/15/2007	EPA 200.8	Nickel	0.0059	0.002	mg/L	AZ0426
	6/11/2007	6/18/2007	EPA 200.8-Diss	Nickel, Dissolved	0.0028	0.002	mg/L	AZ0426
	6/11/2007	6/19/2007	SM4500-NO3 F	Nitrate/Nitrite-N	6.6	0.1	mg/L	AZ0426
	6/11/2007	6/13/2007	EPA 200.7	Potassium	3.5	0.5	mg/L	AZ0426
	6/11/2007	6/19/2007	EPA 200.7-Diss	Potassium, Dissolved	3.7	0.5	mg/L	AZ0426
	6/11/2007	6/15/2007	EPA 200.8	Selenium	0.0041	0.002	mg/L	AZ0426
	6/11/2007	6/18/2007	EPA 200.8-Diss	Selenium (dissolved)	0.0047	0.001	mg/L	AZ0426
	6/11/2007	6/13/2007	EPA 300.0	Sulfate	160	5	mg/L	AZ0426
	6/11/2007	6/14/2007	SM2540C	Total Dissolved Solids	1500	20	mg/L	AZ0426
	6/11/2007	6/15/2007	EPA 200.8	Thallium	≤	0.001	mg/L	AZ0426
	6/11/2007	6/19/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Benzene	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 525.2	Benzo(a)pyrene	≤	0.00002	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Carbon Tetrachloride	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	1,2-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	1,4-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	1,2-Dichloroethane	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	1,1-Dichloroethene	≤	0.002	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	cis-1,2-Dichloroethene	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	trans-1,2-Dichloroethylene	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	1,2-Dichloropropane	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Methylene chloride	≤	0.005	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-3	6/11/2007	6/22/2007	EPA 525.2	Di (2-ethylhexyl) adipate	≤	0.0006	mg/L	AZ0426
	6/11/2007	6/25/2007	EPA 525.2	Bis(2-ethylhexyl)phthalate	0.058	0.0012	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Ethylbenzene	≤	0.002	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 525.2	Hexachlorobenzene	≤	0.0001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 525.2	Hexachlorocyclopentadiene	≤	0.0001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Chlorobenzene	≤	0.001	mg/L	AZ0426
	6/11/2007	6/21/2007	EPA 515.4	Pentachlorophenol	≤	0.00004	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Styrene	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA-5 1613B-Tet	2,3,7,8-TCDD	≤	0.00000005	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Tetrachloroethene	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Toluene	≤	0.002	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Total Trihalomethanes	≤	0.005	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	1,2,4-Trichlorobenzene	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	1,1,1-Trichloroethane	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	1,1,2-Trichloroethane	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Trichloroethene	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Vinyl chloride	≤	0.001	mg/L	AZ0426
	6/11/2007	6/22/2007	EPA 8260B	Total Xylenes	≤	0.003	mg/L	AZ0426
	6/11/2007	6/15/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	6/11/2007	6/15/2007	EPA 901.1	Iodine-131	≤	90	pCi/L	AZ0555
	6/11/2007	6/15/2007	EPA 901.1	Cesium-134	≤	67.5	pCi/L	AZ0555
	6/11/2007	6/15/2007	EPA 901.1	Cesium-137	≤	99	pCi/L	AZ0555
	6/11/2007	6/15/2007	EPA 901.1	Cobalt-60	≤	180	pCi/L	AZ0555
	7/27/2007	7/27/2007	SM4500H-B	pH	8.07		SU	AZ0426
	7/27/2007	7/31/2007	SM2510B	Specific Conductance	2700	1	umhos/cm	AZ0426
	7/27/2007	8/14/2007	Calculation	Ion Balance	-4.3		%	AZ0426
	7/27/2007	8/1/2007	SM2320B	Alkalinity	160	5	mg/L	AZ0426
	7/27/2007	8/6/2007	EPA 200.7	Calcium	24	2	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 200.7	Calcium, Dissolved	26	2	mg/L	AZ0426
	7/27/2007	8/6/2007	EPA 200.7	Magnesium	13	0.5	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 200.7	Magnesium, Dissolved	14	0.5	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 200.7	Sodium	510	40	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 200.7	Sodium, Dissolved	510	40	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	7/27/2007	7/31/2007	EPA 200.8	Antimony	≤	0.003	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.8	Antimony (dissolved)	≤	0.003	mg/L	AZ0426
	7/27/2007	7/31/2007	EPA 200.8	Arsenic	0.025	0.001	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-3	7/27/2007	8/1/2007	EPA 200.8	Arsenic (dissolved)	0.027	0.001	mg/L	AZ0426
	7/27/2007	7/31/2007	EPA 200.8	Barium	0.035	0.001	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.8	Barium (dissolved)	0.031	0.001	mg/L	AZ0426
	7/27/2007	8/6/2007	EPA 200.7	Boron	1.3	0.5	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 200.7	Boron, Dissolved	1.4	0.5	mg/L	AZ0426
	7/27/2007	7/31/2007	EPA 200.8	Beryllium	≤	0.001	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.8	Beryllium, Dissolved	≤	0.001	mg/L	AZ0426
	7/27/2007	7/31/2007	EPA 200.8	Cadmium	≤	0.001	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.8	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	7/27/2007	7/31/2007	EPA 200.8	Chromium	0.098	0.001	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.8	Chromium (dissolved)	0.1	0.001	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 300.0	Chloride	680	50	mg/L	AZ0426
	7/27/2007	8/13/2007	EPA 300.0	Fluoride	5.5	1	mg/L	AZ0426
	7/27/2007	7/31/2007	EPA 200.8	Lead	0.0021	0.001	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.8	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	7/27/2007	7/31/2007	EPA 200.8	Nickel	0.0059	0.001	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.8	Nickel, Dissolved	0.0045	0.001	mg/L	AZ0426
	7/27/2007	7/31/2007	SM4500-NO3 F	Nitrate/Nitrite-N	9.27	0.1	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.7	Potassium	5.2	2	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.7	Potassium, Dissolved	5.1	2	mg/L	AZ0426
	7/27/2007	7/31/2007	EPA 200.8	Selenium	0.0049	0.002	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.8	Selenium (dissolved)	0.0051	0.002	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 300.0	Sulfate	190	5	mg/L	AZ0426
	7/27/2007	7/31/2007	SM2540C	Total Dissolved Solids	1500	20	mg/L	AZ0426
	7/27/2007	7/31/2007	EPA 200.8	Thallium	≤	0.001	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.8	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	Benzene	≤	0.001	mg/L	AZ0426
	7/27/2007	8/9/2007	EPA 525.2	Benzo(a)pyrene	≤	0.00002	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	Carbon Tetrachloride	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	1,2-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	1,4-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	1,2-Dichloroethane	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	1,1-Dichloroethene	≤	0.002	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	cis-1,2-Dichloroethene	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	trans-1,2-Dichloroethylene	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	1,2-Dichloropropane	≤	0.001	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-3	7/27/2007	8/2/2007	EPA 8260B	Methylene chloride	≤	0.005	mg/L	AZ0426
	7/27/2007	8/9/2007	EPA 525.2	Di (2-ethylhexyl) adipate	≤	0.0006	mg/L	AZ0426
	7/27/2007	8/9/2007	EPA 525.2	Bis(2-ethylhexyl)phthalate	0.0031	0.0006	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	Ethylbenzene	≤	0.002	mg/L	AZ0426
	7/27/2007	8/9/2007	EPA 525.2	Hexachlorobenzene	≤	0.0001	mg/L	AZ0426
	7/27/2007	8/9/2007	EPA 525.2	Hexachlorocyclopentadiene	≤	0.0001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	Chlorobenzene	≤	0.001	mg/L	AZ0426
	7/27/2007	8/7/2007	EPA 515.4	Pentachlorophenol	≤	0.00004	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	Styrene	≤	0.001	mg/L	AZ0426
	7/27/2007	8/3/2007	EPA-5 1613B-Tet	2,3,7,8-TCDD	≤	0.00000005	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	Tetrachloroethene	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	Toluene	≤	0.002	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	Total Trihalomethanes	≤	0.005	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	1,2,4-Trichlorobenzene	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	1,1,1-Trichloroethane	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	1,1,2-Trichloroethane	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	Trichloroethene	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	Vinyl chloride	≤	0.001	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 8260B	Total Xylenes	≤	0.003	mg/L	AZ0426
	7/27/2007	8/24/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	7/27/2007	8/24/2007	EPA 901.1	Iodine-131	≤	90	pCi/L	AZ0555
	7/27/2007	8/24/2007	EPA 901.1	Cesium-134	≤	67.5	pCi/L	AZ0555
	7/27/2007	8/24/2007	EPA 901.1	Cesium-137	≤	99	pCi/L	AZ0555
	7/27/2007	8/24/2007	EPA 901.1	Cobalt-60	≤	180	pCi/L	AZ0555
	11/1/2007	11/13/2007	EPA 200.7	Boron	1.5	0.5	mg/L	AZ0426
	11/1/2007	11/13/2007	EPA 200.7	Boron, Dissolved	1.5	0.5	mg/L	AZ0426
	11/1/2007	11/10/2007	EPA 300.0	Chloride	600	50	mg/L	AZ0426
	11/1/2007	11/2/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
APP-4	2/26/2007	3/6/2007	EPA 200.7	Boron, Dissolved	1	0.5	mg/L	AZ0426
	2/26/2007	3/2/2007	EPA 300.0	Chloride	370	5	mg/L	AZ0426
	2/26/2007	3/2/2007	EPA 300.0	Fluoride	6.6	1	mg/L	AZ0426
	2/26/2007	3/2/2007	EPA 200.7-Diss	Potassium, Dissolved	4.9	0.5	mg/L	AZ0426
	2/26/2007	2/28/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	2/26/2007	2/28/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	2/26/2007	2/28/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
APP-5	2/26/2007	3/6/2007	EPA 200.7	Boron, Dissolved	0.67	0.5	mg/L	AZ0426
	2/26/2007	3/2/2007	EPA 300.0	Chloride	210	5	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-5	2/26/2007	3/2/2007	EPA 300.0	Fluoride	11	1	mg/L	AZ0426
	2/26/2007	3/2/2007	EPA 200.7-Diss	Potassium, Dissolved	1.8	0.5	mg/L	AZ0426
	2/26/2007	2/28/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	2/26/2007	2/28/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	2/26/2007	2/28/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	6/12/2007	6/22/2007	EPA 200.7	Boron	0.66	0.5	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 200.7	Boron, Dissolved	0.65	0.5	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 300.0	Chloride	190	5	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 300.0	Fluoride	10	1	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.7	Potassium	1.9	0.5	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.7-Diss	Potassium, Dissolved	2.1	0.5	mg/L	AZ0426
	6/12/2007	6/15/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	6/12/2007	6/15/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	6/12/2007	6/15/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	8/2/2007	8/8/2007	EPA 200.7	Boron	0.64	0.5	mg/L	AZ0426
	8/2/2007	8/8/2007	EPA 200.7	Boron, Dissolved	0.66	0.5	mg/L	AZ0426
	8/2/2007	8/15/2007	EPA 300.0	Chloride	180	5	mg/L	AZ0426
	8/2/2007	8/15/2007	EPA 300.0	Fluoride	9.1	1	mg/L	AZ0426
	8/2/2007	8/7/2007	EPA 200.7	Potassium	2.3	2	mg/L	AZ0426
	8/2/2007	8/13/2007	EPA 200.7	Potassium, Dissolved	2.5	2	mg/L	AZ0426
	8/2/2007	10/4/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	8/2/2007	10/4/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	8/2/2007	10/4/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	11/1/2007	11/13/2007	EPA 200.7	Boron	0.74	0.5	mg/L	AZ0426
	11/1/2007	11/13/2007	EPA 200.7	Boron, Dissolved	0.73	0.5	mg/L	AZ0426
	11/1/2007	11/10/2007	EPA 300.0	Chloride	200	5	mg/L	AZ0426
	11/1/2007	11/2/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
APP-6	3/7/2007	3/10/2007	SM4500H-B	pH	9.41		SU	AZ0426
	3/7/2007	3/10/2007	SM2510B	Specific Conductance	1600	1	umhos/cm	AZ0426
	3/7/2007	3/23/2007	Calculation	Ion Balance	1.3		%	AZ0426
	3/7/2007	3/19/2007	SM2320B	Alkalinity	24	5	mg/L	AZ0426
	3/7/2007	3/14/2007	EPA 200.7	Calcium, Dissolved	27	2	mg/L	AZ0426
	3/7/2007	3/14/2007	EPA 200.7	Magnesium, Dissolved	≤	0.5	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.7-Diss	Sodium, Dissolved	280	0.5	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.002	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.015	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Barium (dissolved)	0.0017	0.001	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-6	3/7/2007	3/14/2007	EPA 200.7	Boron, Dissolved	1.4	0.5	mg/L	AZ0426
	3/7/2007	3/16/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.0005	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Chromium (dissolved)	≤	0.002	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 300.0	Chloride	330	5	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 300.0	Fluoride	10	1	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Nickel, Dissolved	≤	0.002	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 353.2	Nitrate/Nitrite-N	≤	0.1	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.7-Diss	Potassium, Dissolved	1.5	0.5	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Selenium (dissolved)	0.0045	0.001	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 300.0	Sulfate	140	5	mg/L	AZ0426
	3/7/2007	3/10/2007	SM2540C	Total Dissolved Solids	840	20	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Benzene	≤	0.001	mg/L	AZ0426
	3/7/2007	3/20/2007	EPA 525.2	Benzo(a)pyrene	≤	0.00002	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Carbon Tetrachloride	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	1,2-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	1,4-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	1,2-Dichloroethane	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	1,1-Dichloroethene	≤	0.002	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	cis-1,2-Dichloroethene	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	1,2-Dichloropropane	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Methylene chloride	≤	0.005	mg/L	AZ0426
	3/7/2007	3/20/2007	EPA 525.2	Di (2-ethylhexyl) adipate	≤	0.0006	mg/L	AZ0426
	3/7/2007	3/20/2007	EPA 525.2	Bis(2-ethylhexyl)phthalate	0.0052	0.0006	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Ethylbenzene	≤	0.002	mg/L	AZ0426
	3/7/2007	3/20/2007	EPA 525.2	Hexachlorobenzene	≤	0.0001	mg/L	AZ0426
	3/7/2007	3/20/2007	EPA 525.2	Hexachlorocyclopentadiene	≤	0.0001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Chlorobenzene	≤	0.001	mg/L	AZ0426
	3/7/2007	3/21/2007	EPA 515.4	Pentachlorophenol	≤	0.00004	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Styrene	≤	0.001	mg/L	AZ0426
	3/7/2007	3/26/2007	EPA 1613B	2,3,7,8-TCDD	≤	0.00000005	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Tetrachloroethene	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Toluene	≤	0.002	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Total Trihalomethanes	≤	0.005	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-6	3/7/2007	3/15/2007	EPA 8260B	1,2,4-Trichlorobenzene	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	1,1,1-Trichloroethane	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	1,1,2-Trichloroethane	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Trichloroethene	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Vinyl chloride	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Total Xylenes	≤	0.003	mg/L	AZ0426
	3/7/2007	3/22/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Iodine-131	≤	90	pCi/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Cesium-134	≤	67.5	pCi/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Cesium-137	≤	99	pCi/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Cobalt-60	≤	180	pCi/L	AZ0555
	6/12/2007	6/15/2007	SM4500H-B	pH	8.88		SU	AZ0426
	6/12/2007	6/21/2007	SM2510B	Specific Conductance	1500	1	umhos/cm	AZ0426
	6/12/2007	6/29/2007	Calculation	Ion Balance	-1.7		%	AZ0426
	6/12/2007	6/15/2007	SM2320B	Alkalinity	20	5	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 200.7	Calcium	27	2	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 200.7	Calcium, Dissolved	27	2	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 200.7	Magnesium	≤	0.5	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 200.7	Magnesium, Dissolved	≤	0.5	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.7	Sodium	260	0.5	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.7-Diss	Sodium, Dissolved	260	0.5	mg/L	AZ0426
	6/12/2007	6/25/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Antimony	≤	0.002	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.002	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Arsenic	0.016	0.001	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.015	0.001	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Barium	0.051	0.001	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Barium (dissolved)	0.0018	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 200.7	Boron	1.3	0.5	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 200.7	Boron, Dissolved	1.4	0.5	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Beryllium	≤	0.0005	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.0005	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Cadmium	≤	0.001	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Chromium	0.0071	0.002	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.8-Diss	Chromium (dissolved)	≤	0.002	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 300.0	Chloride	330	5	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-6	6/12/2007	6/20/2007	EPA 300.0	Fluoride	9.8	1	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Lead	0.0043	0.001	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	6/12/2007	6/25/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Nickel	0.0071	0.002	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Nickel, Dissolved	≤	0.002	mg/L	AZ0426
	6/12/2007	6/20/2007	SM4500-NO3 F	Nitrate/Nitrite-N	≤	0.1	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.7	Potassium	1.6	0.5	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.7-Diss	Potassium, Dissolved	1.3	0.5	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Selenium	≤	0.002	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Selenium (dissolved)	≤	0.002	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 300.0	Sulfate	140	5	mg/L	AZ0426
	6/12/2007	6/19/2007	SM2540C	Total Dissolved Solids	830	20	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Thallium	≤	0.001	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Benzene	≤	0.001	mg/L	AZ0426
	6/12/2007	6/27/2007	EPA 525.2	Benzo(a)pyrene	≤	0.00002	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Carbon Tetrachloride	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	1,2-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	1,4-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	1,2-Dichloroethane	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	1,1-Dichloroethene	≤	0.002	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	cis-1,2-Dichloroethene	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	1,2-Dichloropropane	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Methylene chloride	≤	0.005	mg/L	AZ0426
	6/12/2007	6/27/2007	EPA 525.2	Di (2-ethylhexyl) adipate	≤	0.0006	mg/L	AZ0426
	6/12/2007	6/27/2007	EPA 525.2	Bis(2-ethylhexyl)phthalate	0.017	0.0006	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Ethylbenzene	≤	0.002	mg/L	AZ0426
	6/12/2007	6/27/2007	EPA 525.2	Hexachlorobenzene	≤	0.0001	mg/L	AZ0426
	6/12/2007	6/27/2007	EPA 525.2	Hexachlorocyclopentadiene	≤	0.0001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Chlorobenzene	≤	0.001	mg/L	AZ0426
	6/12/2007	6/23/2007	EPA 515.4	Pentachlorophenol	≤	0.00004	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Styrene	≤	0.001	mg/L	AZ0426
	6/12/2007	6/21/2007	EPA-5 1613B-Tet	2,3,7,8-TCDD	≤	0.00000005	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Tetrachloroethene	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Toluene	≤	0.002	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Total Trihalomethanes	≤	0.005	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-6	6/12/2007	6/22/2007	EPA 8260B	1,2,4-Trichlorobenzene	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	1,1,1-Trichloroethane	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	1,1,2-Trichloroethane	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Trichloroethene	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Vinyl chloride	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 8260B	Total Xylenes	≤	0.003	mg/L	AZ0426
	6/12/2007	6/15/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	6/12/2007	6/15/2007	EPA 901.1	Iodine-131	≤	90	pCi/L	AZ0555
	6/12/2007	6/15/2007	EPA 901.1	Cesium-134	≤	67.5	pCi/L	AZ0555
	6/12/2007	6/15/2007	EPA 901.1	Cesium-137	≤	99	pCi/L	AZ0555
	6/12/2007	6/15/2007	EPA 901.1	Cobalt-60	≤	180	pCi/L	AZ0555
	8/17/2007	8/17/2007	SM4500H-B	pH	9.37		SU	AZ0426
	8/17/2007	8/20/2007	SM2510B	Specific Conductance	1500	1	umhos/cm	AZ0426
	8/17/2007	9/5/2007	Calculation	Ion Balance	19		%	AZ0426
	8/17/2007	8/23/2007	SM2320B	Alkalinity	22	5	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Calcium	29	2	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Calcium, Dissolved	29	2	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Magnesium	≤	0.5	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Magnesium, Dissolved	0.87	0.5	mg/L	AZ0426
	8/17/2007	8/22/2007	EPA 200.7	Sodium	420	2	mg/L	AZ0426
	8/17/2007	8/23/2007	EPA 200.7	Sodium, Dissolved	360	2	mg/L	AZ0426
	8/17/2007	8/23/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Antimony	≤	0.003	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Antimony (dissolved)	≤	0.003	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 200.8	Arsenic	0.017	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Arsenic (dissolved)	0.016	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Barium	0.028	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Barium (dissolved)	0.0015	0.001	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Boron	1.4	0.5	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Boron, Dissolved	1.4	0.5	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Beryllium	≤	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Beryllium, Dissolved	≤	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Cadmium	≤	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 200.8	Chromium	0.0066	0.001	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 200.8	Chromium (dissolved)	≤	0.001	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 300.0	Chloride	340	5	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-6	8/17/2007	8/21/2007	EPA 300.0	Fluoride	9.8	1	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Lead	0.004	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	8/17/2007	8/23/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Nickel	0.007	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Nickel, Dissolved	0.0018	0.001	mg/L	AZ0426
	8/17/2007	8/21/2007	SM4500-NO3 F	Nitrate/Nitrite-N	≤	0.1	mg/L	AZ0426
	8/17/2007	8/22/2007	EPA 200.7	Potassium	2.4	2	mg/L	AZ0426
	8/17/2007	8/23/2007	EPA 200.7	Potassium, Dissolved	≤	2	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Selenium	≤	0.002	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Selenium (dissolved)	≤	0.002	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 300.0	Sulfate	140	5	mg/L	AZ0426
	8/17/2007	8/21/2007	SM2540C	Total Dissolved Solids	830	20	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Thallium	≤	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Benzene	≤	0.001	mg/L	AZ0426
	8/17/2007	8/29/2007	EPA 525.2	Benzo(a)pyrene	≤	0.00002	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Carbon Tetrachloride	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	1,2-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	1,4-Dichlorobenzene	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	1,2-Dichloroethane	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	1,1-Dichloroethene	≤	0.002	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	cis-1,2-Dichloroethene	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	1,2-Dichloropropane	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Methylene chloride	≤	0.005	mg/L	AZ0426
	8/17/2007	8/29/2007	EPA 525.2	Di (2-ethylhexyl) adipate	≤	0.0006	mg/L	AZ0426
	8/17/2007	8/29/2007	EPA 525.2	Bis(2-ethylhexyl)phthalate	0.028	0.0006	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Ethylbenzene	≤	0.002	mg/L	AZ0426
	8/17/2007	8/29/2007	EPA 525.2	Hexachlorobenzene	≤	0.0001	mg/L	AZ0426
	8/17/2007	8/29/2007	EPA 525.2	Hexachlorocyclopentadiene	≤	0.0001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Chlorobenzene	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 515.4	Pentachlorophenol	≤	0.00004	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Styrene	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA-5 1613B	2,3,7,8-TCDD	≤	0.000000036	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Tetrachloroethene	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Toluene	≤	0.002	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Total Trihalomethanes	≤	0.005	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-6	8/17/2007	8/25/2007	EPA 8260B	1,2,4-Trichlorobenzene	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	1,1,1-Trichloroethane	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	1,1,2-Trichloroethane	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Trichloroethene	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Vinyl chloride	≤	0.001	mg/L	AZ0426
	8/17/2007	8/25/2007	EPA 8260B	Total Xylenes	≤	0.003	mg/L	AZ0426
	8/17/2007	10/4/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	8/17/2007	10/4/2007	EPA 901.1	Iodine-131	≤	90	pCi/L	AZ0555
	8/17/2007	10/4/2007	EPA 901.1	Cesium-134	≤	67.5	pCi/L	AZ0555
	8/17/2007	10/4/2007	EPA 901.1	Cesium-137	≤	99	pCi/L	AZ0555
	8/17/2007	10/4/2007	EPA 901.1	Cobalt-60	≤	180	pCi/L	AZ0555
	11/14/2007	11/20/2007	EPA 200.7	Boron	1.3	0.5	mg/L	AZ0426
	11/14/2007	11/20/2007	EPA 200.7	Boron, Dissolved	1.3	0.5	mg/L	AZ0426
	11/14/2007	11/20/2007	EPA 300.0	Chloride	320	50	mg/L	AZ0426
	11/14/2007	11/15/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
APP-7	3/15/2007	3/21/2007	EPA 200.7	Boron, Dissolved	0.57	0.5	mg/L	AZ0426
	3/15/2007	3/26/2007	EPA 300.0	Chloride	140	5	mg/L	AZ0426
	3/15/2007	3/26/2007	EPA 300.0	Fluoride	11	1	mg/L	AZ0426
	3/15/2007	3/21/2007	EPA 200.7-Diss	Potassium, Dissolved	1.3	0.5	mg/L	AZ0426
	3/15/2007	4/18/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	3/15/2007	4/18/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	3/15/2007	4/18/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	6/28/2007	7/11/2007	EPA 200.7	Boron	1	0.5	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.7	Boron, Dissolved	0.85	0.5	mg/L	AZ0426
	6/28/2007	7/3/2007	EPA 300.0	Chloride	140	5	mg/L	AZ0426
	6/28/2007	7/3/2007	EPA 300.0	Fluoride	13	1	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 200.7	Potassium	1.8	0.5	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.7-Diss	Potassium, Dissolved	1.3	0.5	mg/L	AZ0426
	6/28/2007	7/3/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	6/28/2007	7/3/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	6/28/2007	7/3/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	9/6/2007	9/12/2007	EPA 200.7	Boron	0.63	0.5	mg/L	AZ0426
	9/6/2007	9/12/2007	EPA 200.7	Boron, Dissolved	0.64	0.5	mg/L	AZ0426
	9/6/2007	9/13/2007	EPA 300.0	Chloride	130	5	mg/L	AZ0426
	9/6/2007	9/13/2007	EPA 300.0	Fluoride	11	1	mg/L	AZ0426
	9/6/2007	9/12/2007	EPA 200.7	Potassium	≤	2	mg/L	AZ0426
	9/6/2007	9/13/2007	EPA 200.7	Potassium, Dissolved	2.1	2	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
APP-7	9/6/2007	10/10/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	9/6/2007	10/10/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	9/6/2007	10/10/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	11/19/2007	12/5/2007	EPA 200.7	Boron	0.55	0.5	mg/L	AZ0426
	11/19/2007	12/5/2007	EPA 200.7	Boron, Dissolved	0.54	0.5	mg/L	AZ0426
	11/19/2007	12/6/2007	EPA 300.0	Chloride	140	5	mg/L	AZ0426
	11/19/2007	11/21/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
APP-8	2/8/2007	2/13/2007	EPA 200.7	Boron, Dissolved	0.99	0.5	mg/L	AZ0426
	2/8/2007	2/9/2007	EPA 300.0	Chloride	210	5	mg/L	AZ0426
	2/8/2007	2/9/2007	EPA 300.0	Fluoride	8.5	1	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.7-Diss	Potassium, Dissolved	2.4	0.5	mg/L	AZ0426
	2/8/2007	2/15/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	2/8/2007	2/15/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	2/8/2007	2/15/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	5/3/2007	5/18/2007	EPA 200.7	Boron, Dissolved	1	0.5	mg/L	AZ0426
	5/3/2007	5/11/2007	EPA 300.0	Chloride	210	5	mg/L	AZ0426
	5/3/2007	5/11/2007	EPA 300.0	Fluoride	8.1	1	mg/L	AZ0426
	5/3/2007	5/21/2007	EPA 200.7-Diss	Potassium, Dissolved	2.6	0.5	mg/L	AZ0426
	5/3/2007	5/9/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	5/3/2007	5/9/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	5/3/2007	5/9/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	7/25/2007	8/6/2007	EPA 200.7	Boron	0.95	0.5	mg/L	AZ0426
	7/25/2007	8/2/2007	EPA 200.7	Boron, Dissolved	0.93	0.5	mg/L	AZ0426
	7/25/2007	8/1/2007	EPA 300.0	Chloride	210	5	mg/L	AZ0426
	7/25/2007	8/13/2007	EPA 300.0	Fluoride	7.4	1	mg/L	AZ0426
	7/25/2007	8/1/2007	EPA 200.7	Potassium	3	2	mg/L	AZ0426
	7/25/2007	8/1/2007	EPA 200.7	Potassium, Dissolved	2.9	2	mg/L	AZ0426
	7/25/2007	8/24/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	7/25/2007	8/24/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	7/25/2007	8/24/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	10/30/2007	11/16/2007	EPA 200.7	Boron	1	0.5	mg/L	AZ0426
	10/30/2007	11/16/2007	EPA 200.7	Boron, Dissolved	1	0.5	mg/L	AZ0426
	10/30/2007	11/10/2007	EPA 300.0	Chloride	170	5	mg/L	AZ0426
	10/30/2007	10/31/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
PV-14H	3/7/2007	3/10/2007	SM4500H-B	pH	7.99		SU	AZ0426
	3/7/2007	3/10/2007	SM2510B	Specific Conductance	12000	1	umhos/cm	AZ0426
	3/7/2007	3/23/2007	Calculation	Ion Balance	-5.9		%	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-14H	3/7/2007	3/19/2007	SM2320B	Alkalinity	440	5	mg/L	AZ0426
	3/7/2007	3/14/2007	EPA 200.7	Calcium, Dissolved	67	2	mg/L	AZ0426
	3/7/2007	3/14/2007	EPA 200.7	Magnesium, Dissolved	34	0.5	mg/L	AZ0426
	3/7/2007	3/16/2007	EPA 200.7-Diss	Sodium, Dissolved	2200	5	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.002	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.041	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Barium (dissolved)	0.014	0.001	mg/L	AZ0426
	3/7/2007	3/14/2007	EPA 200.7	Boron, Dissolved	6.5	0.5	mg/L	AZ0426
	3/7/2007	3/16/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.0005	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Chromium (dissolved)	0.0056	0.002	mg/L	AZ0426
	3/7/2007	4/3/2007	EPA 300.0	Chloride	2400	50	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 300.0	Chloride	2300	50	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 300.0	Fluoride	8.8	1	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Nickel, Dissolved	0.0045	0.002	mg/L	AZ0426
	3/7/2007	4/4/2007	EPA 353.2	Nitrate/Nitrite-N	48.2	0.8	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 353.2	Nitrate/Nitrite-N	65.7	0.8	mg/L	AZ0426
	3/7/2007	3/16/2007	EPA 200.7-Diss	Potassium, Dissolved	3.9	2.5	mg/L	AZ0426
	3/7/2007	4/5/2007	EPA 200.7-Diss	Potassium, Dissolved	3.3	0.5	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Selenium (dissolved)	0.034	0.001	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 300.0	Sulfate	1900	50	mg/L	AZ0426
	3/7/2007	3/10/2007	SM2540C	Total Dissolved Solids	7300	200	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426
	3/7/2007	3/22/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	6/22/2007	6/27/2007	SM4500H-B	pH	7.92		SU	AZ0426
	6/22/2007	6/28/2007	SM2510B	Specific Conductance	11000	1	umhos/cm	AZ0426
	6/22/2007	7/10/2007	Calculation	Ion Balance	-1.3		%	AZ0426
	6/22/2007	6/28/2007	SM2320B	Alkalinity	450	5	mg/L	AZ0426
	6/22/2007	6/28/2007	EPA 200.7	Calcium	65	2	mg/L	AZ0426
	6/22/2007	6/28/2007	EPA 200.7	Calcium, Dissolved	66	2	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-14H	6/22/2007	6/28/2007	EPA 200.7	Magnesium	34	0.5	mg/L	AZ0426
	6/22/2007	6/28/2007	EPA 200.7	Magnesium, Dissolved	34	0.5	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.7	Sodium	2500	5	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.7-Diss	Sodium, Dissolved	2300	2.5	mg/L	AZ0426
	6/22/2007	7/3/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8	Antimony	≤	0.002	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.002	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8	Arsenic	0.043	0.001	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.045	0.001	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8	Barium	0.017	0.001	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8-Diss	Barium (dissolved)	0.017	0.001	mg/L	AZ0426
	6/22/2007	6/28/2007	EPA 200.7	Boron	6.9	0.5	mg/L	AZ0426
	6/22/2007	6/28/2007	EPA 200.7	Boron, Dissolved	6.9	0.5	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8	Beryllium	≤	0.0005	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.0005	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8	Cadmium	≤	0.001	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8	Chromium	0.0041	0.002	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8-Diss	Chromium (dissolved)	0.0037	0.002	mg/L	AZ0426
	6/22/2007	6/29/2007	EPA 300.0	Chloride	2400	50	mg/L	AZ0426
	6/22/2007	6/29/2007	EPA 300.0	Fluoride	8.6	1	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8	Lead	≤	0.001	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	6/22/2007	7/3/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8	Nickel	≤	0.002	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8-Diss	Nickel, Dissolved	≤	0.002	mg/L	AZ0426
	6/22/2007	7/6/2007	SM4500-NO3 F	Nitrate/Nitrite-N	61.9	2	mg/L	AZ0426
	6/22/2007	6/29/2007	SM4500-NO3 F	Nitrate/Nitrite-N	65.5	2	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.7	Potassium	2.1	0.5	mg/L	AZ0426
	6/22/2007	7/6/2007	EPA 200.7-Diss	Potassium, Dissolved	2.4	0.5	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8	Selenium	0.031	0.002	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8-Diss	Selenium (dissolved)	0.026	0.002	mg/L	AZ0426
	6/22/2007	6/29/2007	EPA 300.0	Sulfate	1900	50	mg/L	AZ0426
	6/22/2007	6/28/2007	SM2540C	Total Dissolved Solids	7400	100	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8	Thallium	≤	0.001	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	6/22/2007	7/6/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-14H	6/22/2007	7/12/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	6/22/2007	7/12/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	6/22/2007	7/12/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	6/22/2007	7/12/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	6/22/2007	7/12/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	8/17/2007	8/17/2007	SM4500H-B	pH	7.87		SU	AZ0426
	8/17/2007	8/20/2007	SM2510B	Specific Conductance	11000	1	umhos/cm	AZ0426
	8/17/2007	9/5/2007	Calculation	Ion Balance	10.3		%	AZ0426
	8/17/2007	8/23/2007	SM2320B	Alkalinity	460	5	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Calcium	69	2	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Calcium, Dissolved	70	2	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Magnesium	35	0.5	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Magnesium, Dissolved	35	0.5	mg/L	AZ0426
	8/17/2007	8/23/2007	EPA 200.7	Sodium	3100	40	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.7	Sodium, Dissolved	3300	40	mg/L	AZ0426
	8/17/2007	8/23/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Antimony	≤	0.003	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Antimony (dissolved)	≤	0.003	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 200.8	Arsenic	0.051	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Arsenic (dissolved)	0.052	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Barium	0.016	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Barium (dissolved)	0.015	0.001	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Boron	7	0.5	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Boron, Dissolved	7.2	0.5	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Beryllium	≤	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Beryllium, Dissolved	≤	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Cadmium	≤	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 200.8	Chromium	0.0044	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Chromium (dissolved)	0.0052	0.001	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 300.0	Chloride	2300	50	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 300.0	Fluoride	8	1	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Lead	≤	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	8/17/2007	8/23/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Nickel	0.0045	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Nickel, Dissolved	0.0042	0.001	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-14H	8/17/2007	8/21/2007	SM4500-NO3 F	Nitrate/Nitrite-N	64.7	2	mg/L	AZ0426
	8/17/2007	8/22/2007	EPA 200.7	Potassium	9.4	2	mg/L	AZ0426
	8/17/2007	8/23/2007	EPA 200.7	Potassium, Dissolved	7.3	2	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Selenium	0.032	0.002	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Selenium (dissolved)	0.03	0.002	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 300.0	Sulfate	1900	50	mg/L	AZ0426
	8/17/2007	8/21/2007	SM2540C	Total Dissolved Solids	7300	200	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Thallium	≤	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 200.8	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	8/17/2007	8/27/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426
	8/17/2007	10/4/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	8/17/2007	10/4/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	8/17/2007	10/4/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	8/17/2007	10/4/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	8/17/2007	10/4/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	11/16/2007	11/20/2007	EPA 200.7	Boron	6.2	0.5	mg/L	AZ0426
	11/16/2007	11/20/2007	EPA 200.7	Boron, Dissolved	6.3	0.5	mg/L	AZ0426
	11/16/2007	11/20/2007	EPA 300.0	Chloride	2300	50	mg/L	AZ0426
	11/16/2007	11/16/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
PV-14HB	1/17/2007	1/30/2007	EPA 200.7	Boron, Dissolved	7	0.5	mg/L	AZ0426
	1/17/2007	1/27/2007	EPA 300.0	Chloride	2500	50	mg/L	AZ0426
	1/17/2007	1/27/2007	EPA 300.0	Fluoride	10	1	mg/L	AZ0426
	1/17/2007	1/31/2007	EPA 200.7-Diss	Potassium, Dissolved	1.6	1	mg/L	AZ0426
	1/17/2007	1/25/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	1/17/2007	1/25/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	1/17/2007	1/25/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	1/17/2007	1/25/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
	3/7/2007	3/21/2007	EPA 200.7	Boron, Dissolved	6.4	0.5	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 300.0	Chloride	2300	50	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 300.0	Fluoride	9.2	1	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.7-Diss	Potassium, Dissolved	4.3	0.5	mg/L	AZ0426
	3/7/2007	4/2/2007	EPA 200.7-Diss	Potassium, Dissolved	4.6	0.5	mg/L	AZ0426
	3/7/2007	3/22/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
	6/22/2007	6/28/2007	EPA 200.7	Boron	7	0.5	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-14HB	6/22/2007	7/3/2007	EPA 200.7	Boron, Dissolved	6.9	0.5	mg/L	AZ0426
	6/22/2007	6/29/2007	EPA 300.0	Chloride	2400	50	mg/L	AZ0426
	6/22/2007	6/29/2007	EPA 300.0	Fluoride	9.3	1	mg/L	AZ0426
	6/22/2007	7/5/2007	EPA 200.7	Potassium	3.8	0.5	mg/L	AZ0426
	6/22/2007	7/6/2007	EPA 200.7-Diss	Potassium, Dissolved	3.4	0.5	mg/L	AZ0426
	6/22/2007	7/3/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	6/22/2007	7/3/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	6/22/2007	7/3/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	6/22/2007	7/3/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
	8/17/2007	8/30/2007	EPA 200.7	Boron	7.4	0.5	mg/L	AZ0426
	8/17/2007	8/30/2007	EPA 200.7	Boron, Dissolved	7.5	0.5	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 300.0	Chloride	2400	50	mg/L	AZ0426
	8/17/2007	8/21/2007	EPA 300.0	Fluoride	8.4	1	mg/L	AZ0426
	8/17/2007	8/22/2007	EPA 200.7	Potassium	9.6	2	mg/L	AZ0426
	8/17/2007	8/23/2007	EPA 200.7	Potassium, Dissolved	7.2	2	mg/L	AZ0426
	8/17/2007	10/4/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	8/17/2007	10/4/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	8/17/2007	10/4/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	8/17/2007	10/4/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
PV-193A	2/16/2007	2/20/2007	EPA 200.7	Boron, Dissolved	6.2	0.5	mg/L	AZ0426
	2/16/2007	2/19/2007	EPA 300.0	Chloride	6500	500	mg/L	AZ0426
	2/16/2007	2/19/2007	EPA 300.0	Fluoride	5.3	1	mg/L	AZ0426
	2/16/2007	2/28/2007	EPA 300.0	Fluoride	4.7	1	mg/L	AZ0426
	2/16/2007	2/22/2007	EPA 200.7-Diss	Potassium, Dissolved	3.7	2.5	mg/L	AZ0426
	2/16/2007	3/29/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	2/16/2007	3/29/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	2/16/2007	3/29/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	4/3/2007	4/12/2007	EPA 200.7	Boron, Dissolved	6.4	0.5	mg/L	AZ0426
	4/3/2007	4/27/2007	EPA 200.7	Boron, Dissolved	6.1	0.5	mg/L	AZ0426
	4/3/2007	4/10/2007	EPA 300.0	Chloride	6100	500	mg/L	AZ0426
	4/3/2007	4/9/2007	EPA 300.0	Fluoride	3.7	1	mg/L	AZ0426
	4/3/2007	4/9/2007	EPA 200.7-Diss	Potassium, Dissolved	7.3	2.5	mg/L	AZ0426
	4/3/2007	4/19/2007	EPA 200.7-Diss	Potassium, Dissolved	6.4	2.5	mg/L	AZ0426
	4/3/2007	4/27/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	4/3/2007	4/27/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	4/3/2007	4/27/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	6/12/2007	6/22/2007	EPA 200.7	Boron	5.9	0.5	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-193A	6/12/2007	6/22/2007	EPA 200.7	Boron, Dissolved	6.1	0.5	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 300.0	Chloride	4900	500	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 300.0	Fluoride	5.8	1	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.7	Potassium	3.3	1	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.7-Diss	Potassium, Dissolved	4.1	1	mg/L	AZ0426
	6/12/2007	6/15/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	6/12/2007	6/15/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	6/12/2007	6/15/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	7/13/2007	7/26/2007	EPA 200.7	Boron	5.7	0.5	mg/L	AZ0426
	7/13/2007	7/26/2007	EPA 200.7	Boron, Dissolved	5.9	0.5	mg/L	AZ0426
	7/13/2007	7/20/2007	EPA 300.0	Chloride	6700	500	mg/L	AZ0426
	7/13/2007	7/20/2007	EPA 300.0	Fluoride	5.2	1	mg/L	AZ0426
	7/13/2007	7/23/2007	EPA 200.7	Potassium	4.2	1	mg/L	AZ0426
	7/13/2007	7/23/2007	EPA 200.7-Diss	Potassium, Dissolved	3.9	2.5	mg/L	AZ0426
	7/13/2007	7/20/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	7/13/2007	7/20/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	7/13/2007	7/20/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	7/27/2007	8/2/2007	EPA 200.7	Boron	6.3	0.5	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 200.7	Boron, Dissolved	6	0.5	mg/L	AZ0426
	7/27/2007	8/12/2007	EPA 300.0	Chloride	6200	500	mg/L	AZ0426
	7/27/2007	8/13/2007	EPA 300.0	Fluoride	5.7	1	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.7	Potassium	16	2	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.7	Potassium, Dissolved	17	2	mg/L	AZ0426
	7/27/2007	9/10/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	7/27/2007	9/10/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	7/27/2007	9/10/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	10/3/2007	10/5/2007	SM4500H-B	pH	7.4		SU	AZ0426
	10/3/2007	10/5/2007	SM2510B	Specific Conductance	22000	1	umhos/cm	AZ0426
	10/3/2007	10/29/2007	Calculation	Ion Balance	6.7		%	AZ0426
	10/3/2007	10/10/2007	SM2320B	Alkalinity	62	5	mg/L	AZ0426
	10/3/2007	10/10/2007	EPA 200.7	Calcium	1200	20	mg/L	AZ0426
	10/3/2007	10/10/2007	EPA 200.7	Calcium, Dissolved	1200	20	mg/L	AZ0426
	10/3/2007	10/10/2007	EPA 200.7	Magnesium	510	5	mg/L	AZ0426
	10/3/2007	10/10/2007	EPA 200.7	Magnesium, Dissolved	500	5	mg/L	AZ0426
	10/3/2007	10/13/2007	EPA 200.7	Sodium	3700	5	mg/L	AZ0426
	10/3/2007	10/10/2007	EPA 200.7-Diss	Sodium, Dissolved	3200	5	mg/L	AZ0426
	10/3/2007	10/8/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-193A	10/3/2007	10/12/2007	EPA 200.8	Antimony	≤	0.01	mg/L	AZ0426
	10/3/2007	10/13/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.004	mg/L	AZ0426
	10/3/2007	10/12/2007	EPA 200.8	Arsenic	≤	0.005	mg/L	AZ0426
	10/3/2007	10/13/2007	EPA 200.8-Diss	Arsenic (dissolved)	≤	0.002	mg/L	AZ0426
	10/3/2007	10/11/2007	EPA 200.7	Barium	0.035	0.01	mg/L	AZ0426
	10/3/2007	10/11/2007	EPA 200.7	Barium (dissolved)	0.032	0.01	mg/L	AZ0426
	10/3/2007	10/10/2007	EPA 200.7	Boron	6.1	5	mg/L	AZ0426
	10/3/2007	10/10/2007	EPA 200.7	Boron, Dissolved	5.9	5	mg/L	AZ0426
	10/3/2007	10/12/2007	EPA 200.8	Beryllium	≤	0.0025	mg/L	AZ0426
	10/3/2007	10/13/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.001	mg/L	AZ0426
	10/3/2007	10/12/2007	EPA 200.8	Cadmium	≤	0.005	mg/L	AZ0426
	10/3/2007	10/13/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.002	mg/L	AZ0426
	10/3/2007	10/12/2007	EPA 200.8	Chromium	0.039	0.01	mg/L	AZ0426
	10/3/2007	10/13/2007	EPA 200.8-Diss	Chromium (dissolved)	0.023	0.004	mg/L	AZ0426
	10/3/2007	10/11/2007	EPA 300.0	Chloride	5900	500	mg/L	AZ0426
	10/3/2007	10/11/2007	EPA 300.0	Fluoride	5.9	1	mg/L	AZ0426
	10/3/2007	10/12/2007	SM 4500-F-C	Fluoride	2.3	0.1	mg/L	AZ0426
	10/3/2007	10/12/2007	EPA 200.8	Lead	≤	0.005	mg/L	AZ0426
	10/3/2007	10/13/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.002	mg/L	AZ0426
	10/3/2007	10/8/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	10/3/2007	10/12/2007	EPA 200.8	Nickel	≤	0.01	mg/L	AZ0426
	10/3/2007	10/13/2007	EPA 200.8-Diss	Nickel, Dissolved	0.012	0.004	mg/L	AZ0426
	10/3/2007	10/9/2007	SM4500-NO3 F	Nitrate/Nitrite-N	228	2	mg/L	AZ0426
	10/3/2007	10/13/2007	EPA 200.7	Potassium	6.3	5	mg/L	AZ0426
	10/3/2007	10/10/2007	EPA 200.7-Diss	Potassium, Dissolved	≤	5	mg/L	AZ0426
	10/3/2007	10/12/2007	EPA 200.8	Selenium	0.041	0.01	mg/L	AZ0426
	10/3/2007	10/13/2007	EPA 200.8-Diss	Selenium (dissolved)	0.046	0.004	mg/L	AZ0426
	10/3/2007	10/11/2007	EPA 300.0	Sulfate	2800	50	mg/L	AZ0426
	10/3/2007	10/9/2007	SM2540C	Total Dissolved Solids	16000	100	mg/L	AZ0426
	10/3/2007	10/12/2007	EPA 200.8	Thallium	≤	0.005	mg/L	AZ0426
	10/3/2007	10/15/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.002	mg/L	AZ0426
	10/3/2007	10/11/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426
	10/3/2007	10/5/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	10/3/2007	10/5/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	10/3/2007	10/5/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	10/3/2007	10/5/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	10/3/2007	10/5/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-193B	4/4/2007	4/12/2007	EPA 200.7	Boron, Dissolved	5.9	0.5	mg/L	AZ0426
	4/4/2007	4/9/2007	EPA 300.0	Chloride	7200	500	mg/L	AZ0426
	4/4/2007	4/13/2007	EPA 300.0	Chloride	6200	500	mg/L	AZ0426
	4/4/2007	4/9/2007	EPA 300.0	Fluoride	3.6	1	mg/L	AZ0426
	4/4/2007	4/9/2007	EPA 200.7-Diss	Potassium, Dissolved	6	2.5	mg/L	AZ0426
	4/4/2007	4/27/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	4/4/2007	4/27/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	4/4/2007	4/27/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	4/4/2007	4/27/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
	7/13/2007	7/26/2007	EPA 200.7	Boron	5.7	0.5	mg/L	AZ0426
	7/13/2007	7/26/2007	EPA 200.7	Boron, Dissolved	5.7	0.5	mg/L	AZ0426
	7/13/2007	7/20/2007	EPA 300.0	Chloride	5900	500	mg/L	AZ0426
	7/13/2007	7/20/2007	EPA 300.0	Fluoride	5.3	1	mg/L	AZ0426
	7/13/2007	7/23/2007	EPA 200.7	Potassium	5.7	1	mg/L	AZ0426
	7/13/2007	7/23/2007	EPA 200.7-Diss	Potassium, Dissolved	5.7	2.5	mg/L	AZ0426
	7/13/2007	7/20/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	7/13/2007	7/20/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	7/13/2007	7/20/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	7/13/2007	7/20/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
	10/3/2007	10/11/2007	EPA 200.7	Boron	6	0.5	mg/L	AZ0426
	10/3/2007	10/11/2007	EPA 200.7	Boron, Dissolved	6.2	0.5	mg/L	AZ0426
	10/3/2007	10/12/2007	EPA 300.0	Chloride	5300	500	mg/L	AZ0426
	10/3/2007	10/12/2007	SM 4500-F-C	Fluoride	2.5	0.1	mg/L	AZ0426
	10/3/2007	10/12/2007	EPA 300.0	Fluoride	5.5	1	mg/L	AZ0426
	10/3/2007	10/13/2007	EPA 200.7	Potassium	7.1	5	mg/L	AZ0426
	10/3/2007	10/10/2007	EPA 200.7-Diss	Potassium, Dissolved	7.1	5	mg/L	AZ0426
	10/3/2007	10/5/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	10/3/2007	10/5/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	10/3/2007	10/5/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	10/3/2007	10/5/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
PV-195A	1/23/2007	1/30/2007	EPA 200.7	Boron, Dissolved	23	0.5	mg/L	AZ0426
	1/23/2007	1/29/2007	EPA 300.0	Chloride	7700	500	mg/L	AZ0426
	1/23/2007	1/29/2007	EPA 300.0	Fluoride	5.4	1	mg/L	AZ0426
	1/23/2007	1/29/2007	EPA 200.7-Diss	Potassium, Dissolved	9	0.5	mg/L	AZ0426
	1/23/2007	1/25/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	1/23/2007	1/25/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	1/23/2007	1/25/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-195A	3/8/2007	3/10/2007	SM4500H-B	pH	7.46		SU	AZ0426
	3/8/2007	3/10/2007	SM2510B	Specific Conductance	37000	1	umhos/cm	AZ0426
	3/8/2007	3/30/2007	Calculation	Ion Balance	-8.6		%	AZ0426
	3/8/2007	3/15/2007	SM2320B	Alkalinity	330	5	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.7	Calcium, Dissolved	540	40	mg/L	AZ0426
	3/8/2007	3/14/2007	EPA 200.7	Magnesium, Dissolved	280	0.5	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.7-Diss	Sodium, Dissolved	8100	5	mg/L	AZ0426
	3/8/2007	3/15/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.02	mg/L	AZ0426
	3/8/2007	4/10/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.004	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.013	0.01	mg/L	AZ0426
	3/8/2007	3/14/2007	EPA 200.7	Barium (dissolved)	0.011	0.01	mg/L	AZ0426
	3/8/2007	3/14/2007	EPA 200.7	Boron, Dissolved	21	0.5	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.002	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.01	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.8-Diss	Chromium (dissolved)	≤	0.02	mg/L	AZ0426
	3/8/2007	3/22/2007	EPA 300.0	Chloride	9600	500	mg/L	AZ0426
	3/8/2007	3/14/2007	EPA 300.0	Fluoride	4	1	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.01	mg/L	AZ0426
	3/8/2007	3/13/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.8-Diss	Nickel, Dissolved	≤	0.02	mg/L	AZ0426
	3/8/2007	3/13/2007	EPA 353.2	Nitrate/Nitrite-N	181	0.1	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.7-Diss	Potassium, Dissolved	9.7	5	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.8-Diss	Selenium (dissolved)	0.11	0.02	mg/L	AZ0426
	3/8/2007	3/22/2007	EPA 300.0	Sulfate	9500	500	mg/L	AZ0426
	3/8/2007	3/10/2007	SM2540C	Total Dissolved Solids	27000	500	mg/L	AZ0426
	3/8/2007	3/16/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.002	mg/L	AZ0426
	3/8/2007	3/15/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426
	3/8/2007	3/22/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	3/8/2007	3/22/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	3/8/2007	3/22/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	3/8/2007	3/22/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	3/8/2007	3/22/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	6/28/2007	6/29/2007	SM4500H-B	pH	7.34		SU	AZ0426
	6/28/2007	7/9/2007	SM2510B	Specific Conductance	35000	1	umhos/cm	AZ0426
	6/28/2007	7/17/2007	Calculation	Ion Balance	-2.2		%	AZ0426
	6/28/2007	7/3/2007	SM2320B	Alkalinity	320	5	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-195A	6/28/2007	7/12/2007	EPA 200.7	Calcium	550	20	mg/L	AZ0426
	6/28/2007	7/12/2007	EPA 200.7	Calcium, Dissolved	560	20	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.7	Magnesium	370	0.5	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.7	Magnesium, Dissolved	360	0.5	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 200.7	Sodium	8700	5	mg/L	AZ0426
	6/28/2007	7/6/2007	EPA 200.7-Diss	Sodium, Dissolved	8900	10	mg/L	AZ0426
	6/28/2007	7/10/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 200.8	Antimony	≤	0.01	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.01	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 200.8	Arsenic	0.015	0.005	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.016	0.005	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.7	Barium	0.014	0.01	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.7	Barium (dissolved)	0.014	0.01	mg/L	AZ0426
	6/28/2007	7/12/2007	EPA 200.7	Boron	24	5	mg/L	AZ0426
	6/28/2007	7/12/2007	EPA 200.7	Boron, Dissolved	24	5	mg/L	AZ0426
	6/28/2007	7/7/2007	EPA 200.8	Beryllium	≤	0.0025	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.0025	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 200.8	Cadmium	≤	0.005	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.005	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 200.8	Chromium	0.011	0.01	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.8-Diss	Chromium (dissolved)	0.012	0.01	mg/L	AZ0426
	6/28/2007	7/5/2007	EPA 300.0	Chloride	9100	500	mg/L	AZ0426
	6/28/2007	7/3/2007	EPA 300.0	Fluoride	4	1	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 200.8	Lead	≤	0.005	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.005	mg/L	AZ0426
	6/28/2007	7/10/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 200.8	Nickel	≤	0.01	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.8-Diss	Nickel, Dissolved	≤	0.01	mg/L	AZ0426
	6/28/2007	7/3/2007	SM4500-NO3 F	Nitrate/Nitrite-N	194	2	mg/L	AZ0426
	6/28/2007	8/2/2007	EPA 200.7	Potassium	7.5	5	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 200.7	Potassium	8	5	mg/L	AZ0426
	6/28/2007	7/6/2007	EPA 200.7-Diss	Potassium, Dissolved	12	10	mg/L	AZ0426
	6/28/2007	8/2/2007	EPA 200.7-Diss	Potassium, Dissolved	6.6	5	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 200.8	Selenium	0.11	0.01	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.8-Diss	Selenium (dissolved)	0.12	0.01	mg/L	AZ0426
	6/28/2007	7/5/2007	EPA 300.0	Sulfate	9100	500	mg/L	AZ0426
	6/28/2007	7/5/2007	SM2540C	Total Dissolved Solids	27000	400	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-195A	6/28/2007	7/9/2007	EPA 200.8	Thallium	≤	0.005	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.005	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426
	6/28/2007	7/9/2007	EPA 906.0	Tritium	≤	332	pCi/L	AZ0426
	6/28/2007	7/5/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	6/28/2007	7/9/2007	EPA 901.1	Iodine-131	≤	3.27	pCi/L	AZ0426
	6/28/2007	7/5/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	6/28/2007	7/9/2007	EPA 901.1	Cesium-134	≤	2.74	pCi/L	AZ0426
	6/28/2007	7/5/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	6/28/2007	7/5/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	6/28/2007	7/9/2007	EPA 901.1	Cesium-137	≤	2.92	pCi/L	AZ0426
	6/28/2007	7/9/2007	EPA 901.1	Cobalt-60	≤	3.08	pCi/L	AZ0426
	6/28/2007	7/5/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	8/28/2007	8/31/2007	SM4500H-B	pH	7.3		SU	AZ0426
	8/28/2007	9/10/2007	SM2510B	Specific Conductance	35000	1	umhos/cm	AZ0426
	8/28/2007	9/27/2007	Calculation	Ion Balance	15.2		%	AZ0426
	8/28/2007	9/5/2007	SM2320B	Alkalinity	330	5	mg/L	AZ0426
	8/28/2007	9/10/2007	EPA 200.7	Calcium	600	20	mg/L	AZ0426
	8/28/2007	9/10/2007	EPA 200.7	Calcium, Dissolved	580	20	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.7	Magnesium	300	0.5	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.7	Magnesium, Dissolved	290	0.5	mg/L	AZ0426
	8/28/2007	9/12/2007	EPA 200.7	Sodium	12000	100	mg/L	AZ0426
	8/28/2007	9/12/2007	EPA 200.7	Sodium, Dissolved	12000	100	mg/L	AZ0426
	8/28/2007	9/7/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.8	Antimony	≤	0.015	mg/L	AZ0426
	8/28/2007	9/11/2007	EPA 200.8	Antimony (dissolved)	≤	0.03	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.8	Arsenic	0.056	0.005	mg/L	AZ0426
	8/28/2007	9/11/2007	EPA 200.8	Arsenic (dissolved)	0.075	0.01	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.7	Barium	0.013	0.01	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.7	Barium (dissolved)	0.014	0.01	mg/L	AZ0426
	8/28/2007	9/10/2007	EPA 200.7	Boron	25	5	mg/L	AZ0426
	8/28/2007	9/10/2007	EPA 200.7	Boron, Dissolved	25	5	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.8	Beryllium	≤	0.005	mg/L	AZ0426
	8/28/2007	9/11/2007	EPA 200.8	Beryllium, Dissolved	≤	0.01	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.8	Cadmium	≤	0.005	mg/L	AZ0426
	8/28/2007	9/11/2007	EPA 200.8	Cadmium (dissolved)	≤	0.01	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.8	Chromium	0.017	0.005	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-195A	8/28/2007	9/11/2007	EPA 200.8	Chromium (dissolved)	0.017	0.01	mg/L	AZ0426
	8/28/2007	9/7/2007	EPA 300.0	Chloride	8400	500	mg/L	AZ0426
	8/28/2007	9/7/2007	EPA 300.0	Fluoride	8.6	1	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.8	Lead	≤	0.005	mg/L	AZ0426
	8/28/2007	9/11/2007	EPA 200.8	Lead, Dissolved	≤	0.01	mg/L	AZ0426
	8/28/2007	9/7/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.8	Nickel	0.034	0.005	mg/L	AZ0426
	8/28/2007	9/11/2007	EPA 200.8	Nickel, Dissolved	0.034	0.01	mg/L	AZ0426
	8/28/2007	9/13/2007	SM4500-NO3 F	Nitrate/Nitrite-N	8.76	0.1	mg/L	AZ0426
	8/28/2007	9/10/2007	EPA 200.7	Potassium	39	2	mg/L	AZ0426
	8/28/2007	9/10/2007	EPA 200.7	Potassium, Dissolved	38	2	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.8	Selenium	0.22	0.01	mg/L	AZ0426
	8/28/2007	9/11/2007	EPA 200.8	Selenium (dissolved)	0.13	0.02	mg/L	AZ0426
	8/28/2007	9/7/2007	EPA 300.0	Sulfate	8700	500	mg/L	AZ0426
	8/28/2007	9/6/2007	SM2540C	Total Dissolved Solids	28000	200	mg/L	AZ0426
	8/28/2007	9/4/2007	SM2540C	Total Dissolved Solids	27000	40	mg/L	AZ0426
	8/28/2007	9/6/2007	EPA 200.8	Thallium	≤	0.005	mg/L	AZ0426
	8/28/2007	9/11/2007	EPA 200.8	Thallium (dissolved)	≤	0.01	mg/L	AZ0426
	8/28/2007	9/5/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426
	8/28/2007	10/4/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	8/28/2007	10/4/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	8/28/2007	10/4/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	8/28/2007	10/4/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	8/28/2007	10/4/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	11/16/2007	11/20/2007	EPA 200.7	Boron	20	0.5	mg/L	AZ0426
	11/16/2007	11/20/2007	EPA 200.7	Boron, Dissolved	21	0.5	mg/L	AZ0426
	11/16/2007	11/20/2007	EPA 300.0	Chloride	8200	500	mg/L	AZ0426
	11/16/2007	11/16/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
PV-195B	1/23/2007	1/30/2007	EPA 200.7	Boron, Dissolved	14	0.5	mg/L	AZ0426
	1/23/2007	1/29/2007	EPA 300.0	Chloride	15000	500	mg/L	AZ0426
	1/23/2007	1/29/2007	EPA 300.0	Fluoride	3.3	1	mg/L	AZ0426
	1/23/2007	1/29/2007	EPA 200.7-Diss	Potassium, Dissolved	18	2.5	mg/L	AZ0426
	1/23/2007	1/25/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	1/23/2007	1/25/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	1/23/2007	1/25/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	1/23/2007	1/25/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
	3/8/2007	3/14/2007	EPA 200.7	Boron, Dissolved	13	0.5	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-195B	3/8/2007	3/22/2007	EPA 300.0	Chloride	15000	500	mg/L	AZ0426
	3/8/2007	3/13/2007	EPA 300.0	Fluoride	2.5	1	mg/L	AZ0426
	3/8/2007	3/15/2007	EPA 200.7-Diss	Potassium, Dissolved	6.1	2.5	mg/L	AZ0426
	3/8/2007	4/3/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	3/8/2007	4/3/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	3/8/2007	4/3/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	3/8/2007	4/3/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
	6/28/2007	7/11/2007	EPA 200.7	Boron	16	0.5	mg/L	AZ0426
	6/28/2007	7/11/2007	EPA 200.7	Boron, Dissolved	16	0.5	mg/L	AZ0426
	6/28/2007	7/4/2007	EPA 300.0	Chloride	15000	500	mg/L	AZ0426
	6/28/2007	7/3/2007	EPA 300.0	Fluoride	2.5	1	mg/L	AZ0426
	6/28/2007	7/10/2007	EPA 200.7	Potassium	21	2	mg/L	AZ0426
	6/28/2007	7/6/2007	EPA 200.7-Diss	Potassium, Dissolved	19	2.5	mg/L	AZ0426
	6/28/2007	7/3/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	6/28/2007	7/3/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	6/28/2007	7/3/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	6/28/2007	7/3/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
	8/28/2007	9/10/2007	EPA 200.7	Boron	16	5	mg/L	AZ0426
	8/28/2007	9/10/2007	EPA 200.7	Boron, Dissolved	16	5	mg/L	AZ0426
	8/28/2007	9/10/2007	EPA 300.0	Chloride	14000	500	mg/L	AZ0426
	8/28/2007	9/10/2007	EPA 300.0	Fluoride	7.5	1	mg/L	AZ0426
	8/28/2007	9/12/2007	EPA 200.7	Potassium	59	2	mg/L	AZ0426
	8/28/2007	9/10/2007	EPA 200.7	Potassium, Dissolved	47	2	mg/L	AZ0426
	8/28/2007	9/18/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	8/28/2007	9/18/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	8/28/2007	9/18/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	8/28/2007	9/18/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
PV-198AR	2/9/2007	2/9/2007	EPA 150.1	pH	7.37		SU	AZ0426
	2/9/2007	2/10/2007	SM2510B	Specific Conductance	8300	1	umhos/cm	AZ0426
	2/9/2007	2/22/2007	Calculation	Ion Balance	-4		%	AZ0426
	2/9/2007	2/15/2007	SM2320B	Alkalinity	140	5	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.7	Calcium, Dissolved	150	2	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.7	Magnesium, Dissolved	49	0.5	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.7-Diss	Sodium, Dissolved	1400	5	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.004	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.009	0.002	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.8-Diss	Barium (dissolved)	0.034	0.002	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-198AR	2/9/2007	2/14/2007	EPA 200.7	Boron, Dissolved	3.6	0.5	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.001	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.002	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.8-Diss	Chromium (dissolved)	0.016	0.004	mg/L	AZ0426
	2/9/2007	2/12/2007	EPA 300.0	Chloride	2200	50	mg/L	AZ0426
	2/9/2007	2/12/2007	EPA 300.0	Fluoride	4.9	1	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.002	mg/L	AZ0426
	2/9/2007	2/13/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.8-Diss	Nickel, Dissolved	0.024	0.004	mg/L	AZ0426
	2/9/2007	2/13/2007	EPA 353.2	Nitrate/Nitrite-N	32.2	0.1	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.7-Diss	Potassium, Dissolved	3	0.5	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.8-Diss	Selenium (dissolved)	0.013	0.004	mg/L	AZ0426
	2/9/2007	2/12/2007	EPA 300.0	Sulfate	620	50	mg/L	AZ0426
	2/9/2007	2/10/2007	SM2540C	Total Dissolved Solids	4400	200	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.002	mg/L	AZ0426
	2/9/2007	2/14/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426
	2/9/2007	2/15/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	2/9/2007	2/15/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	2/9/2007	2/15/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	2/9/2007	2/15/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	2/9/2007	2/15/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	5/8/2007	5/10/2007	SM4500H-B	pH	7.59		SU	AZ0426
	5/8/2007	5/14/2007	SM2510B	Specific Conductance	8000	1	umhos/cm	AZ0426
	5/8/2007	5/23/2007	Calculation	Ion Balance	2.9		%	AZ0426
	5/8/2007	5/15/2007	SM2320B	Alkalinity	180	5	mg/L	AZ0426
	5/8/2007	5/18/2007	EPA 200.7	Calcium, Dissolved	150	2	mg/L	AZ0426
	5/8/2007	5/18/2007	EPA 200.7	Magnesium, Dissolved	50	0.5	mg/L	AZ0426
	5/8/2007	5/21/2007	EPA 200.7-Diss	Sodium, Dissolved	1700	5	mg/L	AZ0426
	5/8/2007	5/19/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.002	mg/L	AZ0426
	5/8/2007	5/19/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.0083	0.001	mg/L	AZ0426
	5/8/2007	5/19/2007	EPA 200.8-Diss	Barium (dissolved)	0.038	0.001	mg/L	AZ0426
	5/8/2007	5/18/2007	EPA 200.7	Boron, Dissolved	4	0.5	mg/L	AZ0426
	5/8/2007	5/19/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.0005	mg/L	AZ0426
	5/8/2007	5/19/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	5/8/2007	5/19/2007	EPA 200.8-Diss	Chromium (dissolved)	0.02	0.002	mg/L	AZ0426
	5/8/2007	5/14/2007	EPA 300.0	Chloride	2200	50	mg/L	AZ0426
	5/8/2007	5/11/2007	EPA 300.0	Fluoride	6	1	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-198AR	5/8/2007	5/19/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	5/8/2007	5/15/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	5/8/2007	5/19/2007	EPA 200.8-Diss	Nickel, Dissolved	0.055	0.002	mg/L	AZ0426
	5/8/2007	5/12/2007	SM4500-NO3 F	Nitrate/Nitrite-N	32.7	0.5	mg/L	AZ0426
	5/8/2007	5/21/2007	EPA 200.7-Diss	Potassium, Dissolved	3.7	0.5	mg/L	AZ0426
	5/8/2007	5/19/2007	EPA 200.8-Diss	Selenium (dissolved)	0.014	0.002	mg/L	AZ0426
	5/8/2007	5/14/2007	EPA 300.0	Sulfate	690	50	mg/L	AZ0426
	5/8/2007	5/11/2007	SM2540C	Total Dissolved Solids	4600	100	mg/L	AZ0426
	5/8/2007	5/19/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	5/8/2007	5/14/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426
	5/8/2007	5/10/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	5/8/2007	5/10/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	5/8/2007	5/10/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	5/8/2007	5/10/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	5/8/2007	5/10/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	7/26/2007	7/27/2007	SM4500H-B	pH	7.54		SU	AZ0426
	7/26/2007	7/31/2007	SM2510B	Specific Conductance	7700	1	umhos/cm	AZ0426
	7/26/2007	8/14/2007	Calculation	Ion Balance	-1.2		%	AZ0426
	7/26/2007	8/1/2007	SM2320B	Alkalinity	150	5	mg/L	AZ0426
	7/26/2007	8/6/2007	EPA 200.7	Calcium	150	2	mg/L	AZ0426
	7/26/2007	8/2/2007	EPA 200.7	Calcium, Dissolved	140	2	mg/L	AZ0426
	7/26/2007	8/6/2007	EPA 200.7	Magnesium	48	0.5	mg/L	AZ0426
	7/26/2007	8/2/2007	EPA 200.7	Magnesium, Dissolved	49	0.5	mg/L	AZ0426
	7/26/2007	8/2/2007	EPA 200.7	Sodium	1600	40	mg/L	AZ0426
	7/26/2007	8/2/2007	EPA 200.7	Sodium, Dissolved	1600	40	mg/L	AZ0426
	7/26/2007	7/30/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	7/26/2007	7/31/2007	EPA 200.8	Antimony	≤	0.003	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 200.8	Antimony (dissolved)	≤	0.003	mg/L	AZ0426
	7/26/2007	7/31/2007	EPA 200.8	Arsenic	0.037	0.001	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 200.8	Arsenic (dissolved)	0.018	0.001	mg/L	AZ0426
	7/26/2007	7/31/2007	EPA 200.8	Barium	0.077	0.001	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 200.8	Barium (dissolved)	0.039	0.001	mg/L	AZ0426
	7/26/2007	8/6/2007	EPA 200.7	Boron	3.7	0.5	mg/L	AZ0426
	7/26/2007	8/2/2007	EPA 200.7	Boron, Dissolved	3.8	0.5	mg/L	AZ0426
	7/26/2007	7/31/2007	EPA 200.8	Beryllium	≤	0.001	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 200.8	Beryllium, Dissolved	≤	0.001	mg/L	AZ0426
	7/26/2007	7/31/2007	EPA 200.8	Cadmium	≤	0.001	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-198AR	7/26/2007	8/1/2007	EPA 200.8	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	7/26/2007	7/31/2007	EPA 200.8	Chromium	0.27	0.001	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 200.8	Chromium (dissolved)	0.015	0.001	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 300.0	Chloride	2300	50	mg/L	AZ0426
	7/26/2007	8/13/2007	EPA 300.0	Fluoride	5.7	1	mg/L	AZ0426
	7/26/2007	7/31/2007	EPA 200.8	Lead	0.0062	0.001	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 200.8	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	7/26/2007	7/30/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	7/26/2007	7/31/2007	EPA 200.8	Nickel	0.08	0.001	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 200.8	Nickel, Dissolved	0.037	0.001	mg/L	AZ0426
	7/26/2007	7/31/2007	SM4500-NO3 F	Nitrate/Nitrite-N	34.8	0.5	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 200.7	Potassium	9.9	2	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 200.7	Potassium, Dissolved	6.7	2	mg/L	AZ0426
	7/26/2007	7/31/2007	EPA 200.8	Selenium	0.0078	0.002	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 200.8	Selenium (dissolved)	0.0071	0.002	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 300.0	Sulfate	700	50	mg/L	AZ0426
	7/26/2007	7/31/2007	SM2540C	Total Dissolved Solids	4700	100	mg/L	AZ0426
	7/26/2007	7/31/2007	EPA 200.8	Thallium	≤	0.001	mg/L	AZ0426
	7/26/2007	8/1/2007	EPA 200.8	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	7/26/2007	8/2/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426
	7/26/2007	8/24/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	7/26/2007	8/24/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	7/26/2007	8/24/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	7/26/2007	8/24/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	7/26/2007	8/24/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	10/31/2007	12/13/2007	EPA 200.7	Boron	3.4	0.5	mg/L	AZ0426
	10/31/2007	12/7/2007	EPA 200.7	Boron	3.4	0.5	mg/L	AZ0426
	10/31/2007	11/16/2007	EPA 200.7	Boron	4.7	0.5	mg/L	AZ0426
	10/31/2007	11/16/2007	EPA 200.7	Boron, Dissolved	4.6	0.5	mg/L	AZ0426
	10/31/2007	12/7/2007	EPA 200.7	Boron, Dissolved	3.4	0.5	mg/L	AZ0426
	10/31/2007	12/13/2007	EPA 200.7	Boron, Dissolved	3.4	0.5	mg/L	AZ0426
	10/31/2007	11/10/2007	EPA 300.0	Chloride	2000	50	mg/L	AZ0426
	10/31/2007	10/31/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
PV-206A	2/8/2007	2/9/2007	EPA 150.1	pH	7.47		SU	AZ0426
	2/8/2007	2/10/2007	SM2510B	Specific Conductance	26000	1	umhos/cm	AZ0426
	2/8/2007	2/22/2007	Calculation	Ion Balance	-3.3		%	AZ0426
	2/8/2007	2/15/2007	SM2320B	Alkalinity	240	5	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-206A	2/8/2007	2/14/2007	EPA 200.7	Calcium, Dissolved	920	20	mg/L	AZ0426
	2/8/2007	2/15/2007	EPA 200.7	Magnesium, Dissolved	290	0.5	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.7-Diss	Sodium, Dissolved	5000	5	mg/L	AZ0426
	2/8/2007	2/9/2007	SM9223B	Total Coliform			+/-	AZ0426
	2/8/2007	2/14/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.005	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.0052	0.005	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.8-Diss	Barium (dissolved)	0.027	0.005	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.7	Boron, Dissolved	13	5	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.0025	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.005	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.8-Diss	Chromium (dissolved)	0.013	0.01	mg/L	AZ0426
	2/8/2007	2/10/2007	EPA 300.0	Chloride	7300	500	mg/L	AZ0426
	2/8/2007	2/9/2007	EPA 300.0	Fluoride	7	1	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.005	mg/L	AZ0426
	2/8/2007	2/13/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.8-Diss	Nickel, Dissolved	0.039	0.01	mg/L	AZ0426
	2/8/2007	2/13/2007	EPA 353.2	Nitrate/Nitrite-N	20.9	0.1	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.7-Diss	Potassium, Dissolved	9.8	5	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.8-Diss	Selenium (dissolved)	0.051	0.01	mg/L	AZ0426
	2/8/2007	2/10/2007	EPA 300.0	Sulfate	4600	500	mg/L	AZ0426
	2/8/2007	2/9/2007	SM2540C	Total Dissolved Solids	18000	400	mg/L	AZ0426
	2/8/2007	2/14/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.002	mg/L	AZ0426
	2/8/2007	2/19/2007	EPA 525.2	Bis(2-ethylhexyl)phthalate	0.0007	0.0006	mg/L	AZ0426
	2/8/2007	2/15/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	2/8/2007	2/15/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	2/8/2007	2/15/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	2/8/2007	2/15/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	2/8/2007	2/15/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	5/2/2007	5/3/2007	SM4500H-B	pH	7.19		SU	AZ0426
	5/2/2007	5/8/2007	SM2510B	Specific Conductance	25000	1	umhos/cm	AZ0426
	5/2/2007	5/16/2007	Calculation	Ion Balance	-6.4		%	AZ0426
	5/2/2007	5/4/2007	SM2320B	Alkalinity	250	5	mg/L	AZ0426
	5/2/2007	5/9/2007	EPA 200.7	Calcium, Dissolved	730	20	mg/L	AZ0426
	5/2/2007	5/8/2007	EPA 200.7	Magnesium, Dissolved	270	0.5	mg/L	AZ0426
	5/2/2007	5/8/2007	EPA 200.7-Diss	Sodium, Dissolved	5400	5	mg/L	AZ0426
	5/2/2007	5/4/2007	SM9223B	Total Coliform		1	Present/Absent	AZ0426
	5/2/2007	5/11/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.005	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-206A	5/2/2007	5/11/2007	EPA 200.8-Diss	Arsenic (dissolved)	≤	0.005	mg/L	AZ0426
	5/2/2007	5/11/2007	EPA 200.8-Diss	Barium (dissolved)	0.026	0.005	mg/L	AZ0426
	5/2/2007	5/8/2007	EPA 200.7	Boron, Dissolved	14	0.5	mg/L	AZ0426
	5/2/2007	5/11/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.0025	mg/L	AZ0426
	5/2/2007	5/11/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.005	mg/L	AZ0426
	5/2/2007	5/11/2007	EPA 200.8-Diss	Chromium (dissolved)	0.017	0.01	mg/L	AZ0426
	5/2/2007	5/4/2007	EPA 300.0	Chloride	7600	500	mg/L	AZ0426
	5/2/2007	5/4/2007	EPA 300.0	Fluoride	4.4	1	mg/L	AZ0426
	5/2/2007	5/11/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.005	mg/L	AZ0426
	5/2/2007	5/10/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	5/2/2007	5/11/2007	EPA 200.8-Diss	Nickel, Dissolved	0.041	0.01	mg/L	AZ0426
	5/2/2007	5/5/2007	SM4500-NO3 F	Nitrate/Nitrite-N	20.9	2	mg/L	AZ0426
	5/2/2007	5/8/2007	EPA 200.7-Diss	Potassium, Dissolved	18	5	mg/L	AZ0426
	5/2/2007	5/11/2007	EPA 200.8-Diss	Selenium (dissolved)	0.046	0.01	mg/L	AZ0426
	5/2/2007	5/4/2007	EPA 300.0	Sulfate	5500	500	mg/L	AZ0426
	5/2/2007	5/4/2007	SM2540C	Total Dissolved Solids	18000	400	mg/L	AZ0426
	5/2/2007	5/11/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.002	mg/L	AZ0426
	5/2/2007	5/11/2007	EPA 525.2	Bis(2-ethylhexyl)phthalate	0.0025	0.0006	mg/L	AZ0426
	5/2/2007	6/1/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	5/2/2007	6/1/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	5/2/2007	6/1/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	5/2/2007	6/1/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	5/2/2007	6/1/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	7/20/2007	7/20/2007	SM4500H-B	pH	7.26		SU	AZ0426
	7/20/2007	7/25/2007	SM2510B	Specific Conductance	25000	1	umhos/cm	AZ0426
	7/20/2007	8/14/2007	Calculation	Ion Balance	-0.4		%	AZ0426
	7/20/2007	7/23/2007	SM2320B	Alkalinity	270	5	mg/L	AZ0426
	7/20/2007	8/3/2007	EPA 200.7	Calcium	810	20	mg/L	AZ0426
	7/20/2007	8/3/2007	EPA 200.7	Calcium, Dissolved	790	20	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.7	Magnesium	280	0.5	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.7	Magnesium, Dissolved	290	0.5	mg/L	AZ0426
	7/20/2007	7/29/2007	EPA 200.7	Sodium	5400	5	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.7-Diss	Sodium, Dissolved	5800	5	mg/L	AZ0426
	7/20/2007	7/21/2007	SM9223B	Total Coliform		1	Present/Absent	AZ0426
	7/20/2007	7/24/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8	Antimony	≤	0.01	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.005	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-206A	7/20/2007	8/1/2007	EPA 200.8	Arsenic	0.0098	0.005	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8-Diss	Arsenic (dissolved)	≤	0.005	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8	Barium	0.026	0.005	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8-Diss	Barium (dissolved)	0.026	0.005	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.7	Boron	15	0.5	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.7	Boron, Dissolved	16	0.5	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8	Beryllium	≤	0.0025	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.0025	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8	Cadmium	≤	0.005	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.005	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8	Chromium	0.03	0.01	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8-Diss	Chromium (dissolved)	0.016	0.01	mg/L	AZ0426
	7/20/2007	7/24/2007	EPA 300.0	Chloride	6700	500	mg/L	AZ0426
	7/20/2007	7/24/2007	EPA 300.0	Fluoride	6.3	1	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8	Lead	≤	0.005	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.005	mg/L	AZ0426
	7/20/2007	7/24/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8	Nickel	0.041	0.01	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8-Diss	Nickel, Dissolved	0.042	0.01	mg/L	AZ0426
	7/20/2007	7/26/2007	SM4500-NO3 F	Nitrate/Nitrite-N	24.2	1	mg/L	AZ0426
	7/20/2007	7/29/2007	EPA 200.7	Potassium	16	5	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.7-Diss	Potassium, Dissolved	8.8	5	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8	Selenium	0.041	0.01	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8-Diss	Selenium (dissolved)	0.049	0.01	mg/L	AZ0426
	7/20/2007	7/24/2007	EPA 300.0	Sulfate	5100	500	mg/L	AZ0426
	7/20/2007	7/24/2007	SM2540C	Total Dissolved Solids	20000	200	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8	Thallium	≤	0.005	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.005	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 525.2	Benzo(a)pyrene	≤	0.0002	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 525.2	Di (2-ethylhexyl) adipate	≤	0.006	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 525.2	Bis(2-ethylhexyl)phthalate	≤	0.006	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 525.2	Hexachlorobenzene	≤	0.001	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 525.2	Hexachlorocyclopentadiene	≤	0.001	mg/L	AZ0426
	7/20/2007	8/24/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	7/20/2007	8/24/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	7/20/2007	8/24/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	7/20/2007	8/24/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-206A	7/20/2007	8/24/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	10/30/2007	11/16/2007	EPA 200.7	Boron	23	0.5	mg/L	AZ0426
	10/30/2007	11/16/2007	EPA 200.7	Boron, Dissolved	23	0.5	mg/L	AZ0426
	10/30/2007	11/12/2007	EPA 300.0	Chloride	6300	500	mg/L	AZ0426
	10/30/2007	10/31/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
PV-206B	2/14/2007	2/21/2007	EPA 200.7	Boron, Dissolved	8	0.5	mg/L	AZ0426
	2/14/2007	2/19/2007	EPA 300.0	Chloride	6300	500	mg/L	AZ0426
	2/14/2007	2/19/2007	EPA 300.0	Fluoride	5	1	mg/L	AZ0426
	2/14/2007	3/6/2007	EPA 300.0	Fluoride	4.4	1	mg/L	AZ0426
	2/14/2007	2/22/2007	EPA 200.7-Diss	Potassium, Dissolved	14	2.5	mg/L	AZ0426
	2/14/2007	2/15/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	2/14/2007	2/15/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	2/14/2007	2/15/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	2/14/2007	2/15/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
	5/3/2007	5/18/2007	EPA 200.7	Boron, Dissolved	7.8	0.5	mg/L	AZ0426
	5/3/2007	5/14/2007	EPA 300.0	Chloride	7300	500	mg/L	AZ0426
	5/3/2007	5/11/2007	EPA 300.0	Fluoride	3.3	1	mg/L	AZ0426
	5/3/2007	5/21/2007	EPA 200.7-Diss	Potassium, Dissolved	22	5	mg/L	AZ0426
	5/3/2007	5/31/2007	EPA 200.7-Diss	Potassium, Dissolved	15	2.5	mg/L	AZ0426
	5/3/2007	5/9/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	5/3/2007	5/9/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	5/3/2007	5/9/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	5/3/2007	5/9/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
	7/20/2007	8/1/2007	EPA 200.7	Boron	8.1	0.5	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.7	Boron, Dissolved	8	0.5	mg/L	AZ0426
	7/20/2007	7/24/2007	EPA 300.0	Chloride	7400	500	mg/L	AZ0426
	7/20/2007	7/24/2007	EPA 300.0	Fluoride	4.5	1	mg/L	AZ0426
	7/20/2007	7/29/2007	EPA 200.7	Potassium	19	5	mg/L	AZ0426
	7/20/2007	8/1/2007	EPA 200.7-Diss	Potassium, Dissolved	12	5	mg/L	AZ0426
	7/20/2007	8/24/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	7/20/2007	8/24/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	7/20/2007	8/24/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	7/20/2007	8/24/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
PV-33H	2/26/2007	3/6/2007	EPA 200.7	Boron, Dissolved	6	0.5	mg/L	AZ0426
	2/26/2007	3/6/2007	EPA 300.0	Chloride	4400	500	mg/L	AZ0426
	2/26/2007	3/2/2007	EPA 300.0	Fluoride	2.6	1	mg/L	AZ0426
	2/26/2007	3/15/2007	EPA 200.7-Diss	Potassium, Dissolved	8.9	2.5	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-33H	2/26/2007	3/5/2007	EPA 200.7-Diss	Potassium, Dissolved	6.6	2.5	mg/L	AZ0426
	2/26/2007	2/28/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	2/26/2007	2/28/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	2/26/2007	2/28/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	4/19/2007	4/24/2007	EPA 200.7	Boron, Dissolved	7.6	0.5	mg/L	AZ0426
	4/19/2007	5/17/2007	EPA 200.7	Boron, Dissolved	7.7	0.5	mg/L	AZ0426
	4/19/2007	4/23/2007	EPA 300.0	Chloride	3800	50	mg/L	AZ0426
	4/19/2007	4/23/2007	EPA 300.0	Fluoride	4.4	1	mg/L	AZ0426
	4/19/2007	5/9/2007	EPA 300.0	Fluoride	4	1	mg/L	AZ0426
	4/19/2007	4/30/2007	EPA 200.7-Diss	Potassium, Dissolved	2.1	1	mg/L	AZ0426
	4/19/2007	4/27/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	4/19/2007	4/27/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	4/19/2007	4/27/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	6/5/2007	6/13/2007	EPA 200.7	Boron	6.5	0.5	mg/L	AZ0426
	6/5/2007	6/13/2007	EPA 200.7	Boron, Dissolved	6.7	0.5	mg/L	AZ0426
	6/5/2007	6/9/2007	EPA 300.0	Chloride	4300	500	mg/L	AZ0426
	6/5/2007	6/9/2007	EPA 300.0	Fluoride	6	1	mg/L	AZ0426
	6/5/2007	6/8/2007	EPA 200.7	Potassium	26	1	mg/L	AZ0426
	6/5/2007	6/8/2007	EPA 200.7-Diss	Potassium, Dissolved	3	1	mg/L	AZ0426
	6/5/2007	6/15/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	6/5/2007	6/15/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	6/5/2007	6/15/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
PV-33HB	4/19/2007	4/24/2007	EPA 200.7	Boron, Dissolved	6.7	0.5	mg/L	AZ0426
	4/19/2007	4/23/2007	EPA 300.0	Chloride	4400	500	mg/L	AZ0426
	4/19/2007	4/23/2007	EPA 300.0	Fluoride	4.3	1	mg/L	AZ0426
	4/19/2007	4/30/2007	EPA 200.7-Diss	Potassium, Dissolved	2.7	1	mg/L	AZ0426
	4/19/2007	5/31/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555
	4/19/2007	5/31/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	4/19/2007	5/31/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	4/19/2007	5/31/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
	6/5/2007	6/15/2007	EPA 200.7	Boron	7.2	2.5	mg/L	AZ0426
	6/5/2007	6/15/2007	EPA 200.7	Boron, Dissolved	7	2.5	mg/L	AZ0426
	6/5/2007	6/9/2007	EPA 300.0	Chloride	4100	500	mg/L	AZ0426
	6/5/2007	6/9/2007	EPA 300.0	Fluoride	6	1	mg/L	AZ0426
	6/5/2007	6/8/2007	EPA 200.7	Potassium	15	1	mg/L	AZ0426
	6/5/2007	6/8/2007	EPA 200.7-Diss	Potassium, Dissolved	3	1	mg/L	AZ0426
	6/5/2007	6/15/2007	EPA 906	Tritium	≤	3000	mg/L	AZ0555

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-33HB	6/5/2007	6/15/2007	EPA 901.1	Iodine-131	≤	100	mg/L	AZ0555
	6/5/2007	6/15/2007	EPA 901.1	Cesium-137	≤	50	mg/L	AZ0555
	6/5/2007	6/15/2007	EPA 901.1	Cobalt-60	≤	100	mg/L	AZ0555
PV-34H	3/7/2007	3/14/2007	EPA 200.7	Boron, Dissolved	6.1	0.5	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 300.0	Chloride	2200	50	mg/L	AZ0426
	3/7/2007	3/13/2007	EPA 300.0	Fluoride	13	1	mg/L	AZ0426
	3/7/2007	3/23/2007	EPA 200.7-Diss	Potassium, Dissolved	3.9	0.5	mg/L	AZ0426
	3/7/2007	3/15/2007	EPA 200.7-Diss	Potassium, Dissolved	2.6	0.5	mg/L	AZ0426
	3/7/2007	3/22/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	3/7/2007	3/22/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	4/4/2007	4/12/2007	EPA 200.7	Boron, Dissolved	6.4	0.5	mg/L	AZ0426
	4/4/2007	4/9/2007	EPA 300.0	Chloride	2400	50	mg/L	AZ0426
	4/4/2007	4/9/2007	EPA 300.0	Fluoride	13	1	mg/L	AZ0426
	4/4/2007	4/9/2007	EPA 200.7-Diss	Potassium, Dissolved	2.8	2	mg/L	AZ0426
	4/4/2007	4/27/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	4/4/2007	4/27/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	4/4/2007	4/27/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	6/12/2007	6/19/2007	SM4500H-B	pH	8.07		SU	AZ0426
	6/12/2007	6/21/2007	SM2510B	Specific Conductance	10000	1	umhos/cm	AZ0426
	6/12/2007	6/29/2007	Calculation	Ion Balance	-1.5		%	AZ0426
	6/12/2007	6/19/2007	SM2320B	Alkalinity	440	5	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.7	Calcium	22	0.1	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.7-Diss	Calcium, Dissolved	20	0.1	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.7	Magnesium	13	0.02	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.7-Diss	Magnesium, Dissolved	11	0.02	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.7	Sodium	2300	5	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 200.7-Diss	Sodium, Dissolved	2400	5	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Antimony	≤	0.002	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Antimony (dissolved)	≤	0.002	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Arsenic	0.093	0.001	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Arsenic (dissolved)	0.09	0.001	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Barium	0.049	0.001	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Barium (dissolved)	0.04	0.001	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.7	Boron	7	0.05	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.7-Diss	Boron, Dissolved	6.5	0.05	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-34H	6/12/2007	6/20/2007	EPA 200.8	Beryllium	≤	0.0005	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Beryllium, Dissolved	≤	0.0005	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Cadmium	≤	0.001	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Chromium	0.057	0.002	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.8-Diss	Chromium (dissolved)	0.0082	0.002	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 300.0	Chloride	2100	50	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 300.0	Fluoride	13	1	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Lead	0.0011	0.001	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	6/12/2007	6/22/2007	EPA 245.1-Diss	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Nickel	0.032	0.002	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Nickel, Dissolved	0.024	0.002	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 300.0	Nitrate/Nitrite-N	72	20	mg/L	AZ0426
	6/12/2007	6/19/2007	EPA 200.7	Potassium	0.86	0.5	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.7-Diss	Potassium, Dissolved	0.93	0.5	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Selenium	0.036	0.002	mg/L	AZ0426
	6/12/2007	6/18/2007	EPA 200.8-Diss	Selenium (dissolved)	0.033	0.002	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 300.0	Sulfate	1700	50	mg/L	AZ0426
	6/12/2007	6/19/2007	SM2540C	Total Dissolved Solids	6900	100	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8	Thallium	≤	0.001	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 200.8-Diss	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	6/12/2007	6/20/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	6/12/2007	6/20/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	6/12/2007	6/20/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555
	6/12/2007	6/20/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	6/12/2007	6/20/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	6/21/2007	6/29/2007	SM4500-NO3 F	Nitrate/Nitrite-N	74.8	2	mg/L	AZ0426
	6/21/2007	7/5/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426
	8/3/2007	8/3/2007	SM4500H-B	pH	8.05		SU	AZ0426
	8/3/2007	8/9/2007	SM2510B	Specific Conductance	10000	1	umhos/cm	AZ0426
	8/3/2007	8/22/2007	Calculation	Ion Balance	8.3		%	AZ0426
	8/3/2007	8/9/2007	SM2320B	Alkalinity	460	5	mg/L	AZ0426
	8/3/2007	8/8/2007	EPA 200.7	Calcium	20	2	mg/L	AZ0426
	8/3/2007	8/8/2007	EPA 200.7	Calcium, Dissolved	20	2	mg/L	AZ0426
	8/3/2007	8/8/2007	EPA 200.7	Magnesium	12	0.5	mg/L	AZ0426
	8/3/2007	8/8/2007	EPA 200.7	Magnesium, Dissolved	12	0.5	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-34H	8/3/2007	8/9/2007	EPA 200.7	Sodium	2900	200	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 200.7	Sodium, Dissolved	2800	100	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 245.1	Mercury	≤	0.0002	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 200.8	Antimony	≤	0.015	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 200.8	Antimony (dissolved)	≤	0.003	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 200.8	Arsenic	0.1	0.005	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 200.8	Arsenic (dissolved)	0.097	0.001	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 200.8	Barium	0.044	0.005	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 200.8	Barium (dissolved)	0.036	0.001	mg/L	AZ0426
	8/3/2007	8/8/2007	EPA 200.7	Boron	6.4	0.5	mg/L	AZ0426
	8/3/2007	8/8/2007	EPA 200.7	Boron, Dissolved	6.5	0.5	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 200.8	Beryllium	≤	0.005	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 200.8	Beryllium, Dissolved	≤	0.001	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 200.8	Cadmium	≤	0.005	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 200.8	Cadmium (dissolved)	≤	0.001	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 200.8	Chromium	0.011	0.005	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 200.8	Chromium (dissolved)	0.0096	0.001	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 300.0	Chloride	2200	50	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 300.0	Fluoride	13	1	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 200.8	Lead	≤	0.005	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 200.8	Lead, Dissolved	≤	0.001	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 245.1	Mercury, Dissolved	≤	0.0002	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 200.8	Nickel	0.024	0.005	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 200.8	Nickel, Dissolved	0.034	0.001	mg/L	AZ0426
	8/3/2007	8/7/2007	SM4500-NO3 F	Nitrate/Nitrite-N	78.7	2	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 200.7	Potassium	7.9	2	mg/L	AZ0426
	8/3/2007	8/13/2007	EPA 200.7	Potassium, Dissolved	8	2	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 200.8	Selenium	0.038	0.01	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 200.8	Selenium (dissolved)	0.042	0.002	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 300.0	Sulfate	1700	50	mg/L	AZ0426
	8/3/2007	8/10/2007	SM2540C	Total Dissolved Solids	7500	100	mg/L	AZ0426
	8/3/2007	8/15/2007	EPA 200.8	Thallium	≤	0.005	mg/L	AZ0426
	8/3/2007	8/7/2007	EPA 200.8	Thallium (dissolved)	≤	0.001	mg/L	AZ0426
	8/3/2007	8/13/2007	EPA 8260B	Total Trihalomethanes	≤	0.002	mg/L	AZ0426
	8/3/2007	10/5/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
	8/3/2007	10/5/2007	EPA 901.1	Iodine-131	≤	100	pCi/L	AZ0555
	8/3/2007	10/5/2007	EPA 901.1	Cesium-134	≤	75	pCi/L	AZ0555

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-34H	8/3/2007	10/5/2007	EPA 901.1	Cesium-137	≤	110	pCi/L	AZ0555
	8/3/2007	10/5/2007	EPA 901.1	Cobalt-60	≤	200	pCi/L	AZ0555
	11/14/2007	11/20/2007	EPA 200.7	Boron	6.1	0.5	mg/L	AZ0426
	11/14/2007	11/20/2007	EPA 200.7	Boron, Dissolved	6.1	0.5	mg/L	AZ0426
	11/14/2007	11/20/2007	EPA 300.0	Chloride	2100	50	mg/L	AZ0426
	11/14/2007	11/15/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
PV-Q8	2/23/2007	3/8/2007	EPA 200.7	Boron, Dissolved	2.9	0.5	mg/L	AZ0426
	2/23/2007	2/27/2007	EPA 300.0	Chloride	3400	50	mg/L	AZ0426
	2/23/2007	2/27/2007	EPA 300.0	Fluoride	4.7	1	mg/L	AZ0426
	2/23/2007	3/1/2007	EPA 200.7-Diss	Potassium, Dissolved	4	0.5	mg/L	AZ0426
	2/23/2007	3/1/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	2/23/2007	3/1/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	2/23/2007	3/1/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	5/30/2007	6/5/2007	EPA 200.7	Boron	2.9	0.5	mg/L	AZ0426
	5/30/2007	6/5/2007	EPA 200.7	Boron, Dissolved	2.9	0.5	mg/L	AZ0426
	5/30/2007	6/5/2007	EPA 300.0	Chloride	3100	50	mg/L	AZ0426
	5/30/2007	6/5/2007	EPA 300.0	Fluoride	2.8	1	mg/L	AZ0426
	5/30/2007	6/7/2007	EPA 200.7	Potassium	6.7	0.5	mg/L	AZ0426
	5/30/2007	6/6/2007	EPA 200.7-Diss	Potassium, Dissolved	5.3	0.5	mg/L	AZ0426
	5/30/2007	6/15/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	5/30/2007	6/15/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	5/30/2007	6/15/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	7/27/2007	8/2/2007	EPA 200.7	Boron	3.2	0.5	mg/L	AZ0426
	7/27/2007	8/2/2007	EPA 200.7	Boron, Dissolved	3.1	0.5	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 300.0	Chloride	3700	50	mg/L	AZ0426
	7/27/2007	8/13/2007	EPA 300.0	Fluoride	2.9	1	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.7	Potassium	11	2	mg/L	AZ0426
	7/27/2007	8/1/2007	EPA 200.7	Potassium, Dissolved	9.9	2	mg/L	AZ0426
	7/27/2007	8/24/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	7/27/2007	8/24/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	7/27/2007	8/24/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	11/1/2007	12/7/2007	EPA 200.7	Boron	2.7	0.5	mg/L	AZ0426
	11/1/2007	12/13/2007	EPA 200.7	Boron	2.7	0.5	mg/L	AZ0426
	11/1/2007	11/16/2007	EPA 200.7	Boron	3.8	0.5	mg/L	AZ0426
	11/1/2007	12/10/2007	EPA 200.7	Boron, Dissolved	2.6	0.5	mg/L	AZ0426
	11/1/2007	12/13/2007	EPA 200.7	Boron, Dissolved	2.7	0.5	mg/L	AZ0426
	11/1/2007	11/13/2007	EPA 200.7	Boron, Dissolved	3.5	0.5	mg/L	AZ0426

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification
PV-Q8	11/1/2007	11/10/2007	EPA 300.0	Chloride	3000	50	mg/L	AZ0426
	11/1/2007	11/2/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555
PV-R2AR	3/16/2007	3/21/2007	EPA 200.7	Boron, Dissolved	1.5	0.5	mg/L	AZ0426
	3/16/2007	3/26/2007	EPA 300.0	Chloride	5600	500	mg/L	AZ0426
	3/16/2007	3/26/2007	EPA 300.0	Fluoride	2.2	1	mg/L	AZ0426
	3/16/2007	3/21/2007	EPA 200.7-Diss	Potassium, Dissolved	7.5	0.5	mg/L	AZ0426
	3/16/2007	4/18/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	3/16/2007	4/18/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	3/16/2007	4/18/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	6/29/2007	7/11/2007	EPA 200.7	Boron	2	0.5	mg/L	AZ0426
	6/29/2007	7/11/2007	EPA 200.7	Boron, Dissolved	2	0.5	mg/L	AZ0426
	6/29/2007	7/4/2007	EPA 300.0	Chloride	5400	500	mg/L	AZ0426
	6/29/2007	7/3/2007	EPA 300.0	Fluoride	3.6	1	mg/L	AZ0426
	6/29/2007	7/9/2007	EPA 200.7	Potassium	8	0.5	mg/L	AZ0426
	6/29/2007	7/11/2007	EPA 200.7-Diss	Potassium, Dissolved	5.9	0.5	mg/L	AZ0426
	6/29/2007	7/3/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	6/29/2007	7/3/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	6/29/2007	7/3/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	9/19/2007	9/26/2007	EPA 200.7	Boron	1.9	0.5	mg/L	AZ0426
	9/19/2007	9/26/2007	EPA 200.7	Boron, Dissolved	1.9	0.5	mg/L	AZ0426
	9/19/2007	9/27/2007	EPA 300.0	Chloride	5300	500	mg/L	AZ0426
	9/19/2007	9/27/2007	EPA 300.0	Fluoride	5.7	1	mg/L	AZ0426
	9/19/2007	9/26/2007	EPA 200.7	Potassium	23	2	mg/L	AZ0426
	9/19/2007	9/27/2007	EPA 200.7	Potassium, Dissolved	22	2	mg/L	AZ0426
	9/19/2007	10/10/2007	EPA 906	Tritium	≤	1000	pCi/L	AZ0555
	9/19/2007	10/10/2007	EPA 901.1	Cesium-137	≤	50	pCi/L	AZ0555
	9/19/2007	10/10/2007	EPA 901.1	Cobalt-60	≤	100	pCi/L	AZ0555
	11/20/2007	12/5/2007	EPA 200.7	Boron	1.6	0.5	mg/L	AZ0426
	11/20/2007	12/5/2007	EPA 200.7	Boron, Dissolved	1.5	0.5	mg/L	AZ0426
	11/20/2007	12/6/2007	EPA 300.0	Chloride	6400	500	mg/L	AZ0426
	11/20/2007	12/17/2007	EPA 300.0	Chloride	5200	500	mg/L	AZ0426
	11/20/2007	12/18/2007	EPA 300.0	Chloride	5200	500	mg/L	AZ0426
	11/20/2007	11/21/2007	EPA 906	Tritium	≤	3000	pCi/L	AZ0555

TABLE C-3a. SUMMARY OF ALL WELL DATA - 2007

Well Name	Sample Date	Date Analyzed	Method	Analyte	Result	Reporting Limit	Units	AZ Lab Certification

°C = Degrees Celsius
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit
mg/L = milligrams per liter
ND = Not Detected
pCi/L - picoCuries per liter
SU = standard units
umhos/cm = micromhos per centimeter
USEPA = United States Environmental Protection Agency

TABLE C-3b. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
27cbc	2/16/2007	966.02	202.31	763.71	Subsidence Program Measurement
	4/25/2007	966.02	201.08	764.94	Subsidence Program Measurement
	7/10/2007	966.02	202.05	763.97	Subsidence Program Measurement
	10/11/2007	966.02	202.33	763.69	Subsidence Program Measurement
APP-1	1/24/2007	920.64		Dry	Tritium WL
	2/15/2007	920.64		Dry	CAL Contingency WL
	3/27/2007	920.64		Dry	Tritium WL
	4/24/2007	920.64		Dry	Tritium WL, CAL Contingency WL
	5/30/2007	920.64		Dry	Quarterly WQ, Tritium WL
	7/27/2007	920.64		Dry	Quarterly WQ
	8/8/2007	920.64		Dry	CAL Contingency WL
	12/6/2007	920.64		Dry	Qtrly WQ
APP-3	1/23/2007	916.73	220.46	696.27	Tritium WL
	2/15/2007	916.73	220.61	696.12	Quarterly WQ/ Tritium WL
	3/27/2007	916.73	219.86	696.87	Tritium WL
	4/25/2007	916.73	220.03	696.70	Tritium WL
	5/31/2007	916.73	220.77	695.96	Tritium WL
	6/11/2007	916.73	221.05	695.68	Quarterly WQ, Tritium WL
	7/27/2007	916.73	222.62	694.11	Quarterly WQ
	8/8/2007	916.73	222.75	693.98	Discretionary WL
	11/1/2007	916.73	224.04	692.69	Qtrly WQ
APP-4	1/24/2007	917.14	150.76	766.38	Quarterly WQ & Tritium WL
	2/16/2007	917.14	151.86	765.28	CAL Contingency & Tritium WL
	2/26/2007	917.14	150.71	766.43	Qtr WQ
	3/27/2007	917.14	150.54	766.60	Tritium WL
	4/25/2007	917.14	150.82	766.32	Tritium WL
	5/31/2007	917.14	150.70	766.44	Tritium WL
APP-5	1/24/2007	912.53	134.20	778.33	Quarterly WQ & Tritium WL
	2/16/2007	912.53	134.39	778.14	CAL Contingency & Tritium WL
	2/26/2007	912.53	134.33	778.20	Qtr WQ
	3/27/2007	912.53	134.05	778.48	Tritium WL
	4/25/2007	912.53	134.03	778.50	Tritium WL
	5/31/2007	912.53	133.95	778.58	Tritium WL
	6/12/2007	912.53	134.11	778.42	Quarterly WQ
	8/2/2007	912.53	133.99	778.54	Quarterly WQ
	8/8/2007	912.53	134.06	778.47	Discretionary WL
	11/1/2007	912.53	133.70	778.83	Qtrly WQ

TABLE C-3b. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
APP-6	1/17/2007	920.80	189.02	731.78	Quarterly WQ & Tritium WL
	2/15/2007	920.80	189.06	731.74	CAL Contingency & Tritium WL
	3/6/2007	920.80	190.81	729.99	Quarterly WQ
	3/7/2007	920.80	192.03	728.77	Tritium WL
	4/25/2007	920.80	190.86	729.94	Tritium WL
	5/31/2007	920.80	190.82	729.98	Tritium WL
	6/11/2007	920.80	190.98	729.82	Quarterly WQ
	8/8/2007	920.80	191.46	729.34	Discretionary WL
	8/16/2007	920.80	191.53	729.27	Quarterly WQ
	11/13/2007	920.80	192.35	728.45	Qtrly WQ
APP-7	1/22/2007	970.63	127.50	843.13	Tritium WL
	2/2/2007	970.63	125.61	845.02	Tritium WL
	3/15/2007	970.63	126.87	843.76	Quarterly WQ, Tritium WL
	4/25/2007	970.63	126.68	843.95	Tritium WL from transducer
	5/15/2007	970.63	126.68	843.95	Tritium WL from transducer
	6/28/2007	970.63	126.88	843.75	Quarterly WQ, Tritium WL
	9/18/2007	970.63	127.00	843.63	Quarterly WQ
	11/19/2007	970.63	127.32	843.31	Qtrly WQ
APP-8	1/24/2007	948.57	98.30	850.27	Tritium WL
	2/2/2007	948.57	98.29	850.28	Tritium WL
	2/8/2007	948.57	98.35	850.22	Quarterly WQ
	3/27/2007	948.57	97.21	851.36	Tritium WL
	4/24/2007	948.57	98.49	850.08	Tritium WL
	5/3/2007	948.57	98.33	850.24	Quarterly WQ
	5/31/2007	948.57	98.47	850.10	Tritium WL
	6/21/2007	948.57	98.63	849.94	Tritium WL
	7/25/2007	948.57	98.81	849.76	Quarterly WQ
	10/30/2007	948.57	99.01	849.56	Qtrly WQ
APP-9	1/19/2007	952.00	91.80	860.2	Ambient Monitoring
	2/22/2007	952.00	90.01	861.99	Ambient Monitoring
	3/16/2007	952.00	92.13	859.87	Ambient Monitoring
	4/12/2007	952.00	92.21	859.79	Ambient Monitoring
	4/25/2007	952.20	91.79	860.41	Ambient Monitoring
	5/7/2007	952.00	92.08	859.92	Ambient Monitoring
	6/26/2007	952.00	92.23	859.77	Ambient Monitoring
	7/18/2007	952.00	92.15	859.85	Ambient Monitoring
	8/9/2007	952.00	92.37	859.63	Ambient Monitoring
	9/5/2007	952.00	92.50	859.5	Ambient Monitoring
	10/9/2007	952.00	92.64	859.36	Ambient Monitoring

TABLE C-3b. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
APP-10	1/19/2007	956.27	114.29	841.98	Ambient Monitoring
	2/22/2007	956.27	114.04	842.23	Ambient Monitoring
	3/16/2007	956.27	114.04	842.23	Ambient Monitoring
	4/12/2007	956.27	114.03	842.24	Ambient Monitoring
	4/25/2007	956.47	113.16	843.31	Ambient Monitoring
	5/7/2007	956.27	113.98	842.29	Ambient Monitoring
	6/26/2007	956.27	113.76	842.51	Ambient Monitoring
	7/18/2007	956.27	113.40	842.87	Ambient Monitoring
	8/9/2007	956.27	113.50	842.77	Ambient Monitoring
	9/5/2007	956.27	113.50	842.77	Ambient Monitoring
	10/9/2007	956.27	113.37	842.9	Ambient Monitoring
APP-11	1/19/2007	950.47	68.89	881.58	Ambient Monitoring
	2/22/2007	950.47	69.30	881.17	Ambient Monitoring
	3/16/2007	950.47	69.73	880.74	Ambient Monitoring
	4/12/2007	950.47	69.79	880.68	Ambient Monitoring
	4/25/2007	950.47	69.25	881.22	Ambient Monitoring
	5/7/2007	950.47	69.78	880.69	Ambient Monitoring
	6/26/2007	950.47	69.88	880.59	Ambient Monitoring
	7/18/2007	950.47	69.90	880.57	Ambient Monitoring
	8/9/2007	950.47	70.03	880.44	Ambient Monitoring
	9/5/2007	950.47	70.04	880.43	Ambient Monitoring
	10/9/2007	950.47	69.96	880.51	Ambient Monitoring
PV-14H	1/17/2007	922.01	58.08	863.93	Tritium WL
	2/15/2007	922.01	57.32	864.69	CAL Contingency WL
	3/7/2007	922.01	57.18	864.83	Quarterly & CAL Contingency, Tritium WL
	5/1/2007	922.01	57.11	864.90	Discretionary WL
	5/31/2007	922.01	57.12	864.89	Tritium WL
	6/22/2007	922.01	57.21	864.80	Quarterly & CAL Contingency, Tritium WL
	8/8/2007	922.01	57.35	864.66	CAL Contingency WL
	8/17/2007	922.01	57.42	864.59	Quarterly & CAL Contingency
	8/24/2007	922.01	57.54	864.47	WL check bc 14HB WL on 8/17 suspect
	11/16/2007	922.01	57.53	864.48	Qtrly WQ
PV-14HB	1/17/2007	921.81	56.26	865.55	Verification sampling of Contingency B well, Tritium WL
	2/15/2007	921.81	56.44	865.37	CAL Contingency WL
	3/7/2007	921.81	56.78	865.03	Quarterly & CAL Contingency, Tritium WL
	4/24/2007	921.81	56.41	865.40	Tritium WL, CAL Contingency WL
	5/31/2007	921.81	56.36	865.45	Tritium WL
	6/22/2007	921.81	56.37	865.44	Quarterly & CAL Contingency, Tritium WL
	8/8/2007	921.81	56.49	865.32	CAL Contingency WL
	8/24/2007	921.81	56.71	865.10	WL check - Quarterly
PV-173	5/17/2007	952.30		Dry	Discretionary
PV-174	5/3/2007	955.75	59.69	896.06	Discretionary WL
	5/4/2007	955.75	59.69	896.06	

TABLE C-3b. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-183	1/22/2007	951.70	51.77	899.93	Tritium WL
	2/2/2007	951.70	51.71	899.99	Tritium WL
	3/27/2007	951.70	51.81	899.89	Tritium WL
	4/26/2007	951.70	52.17	899.53	Tritium WL
	5/31/2007	951.70	52.61	899.09	Tritium WL
PV-191A	4/23/2007	943.60		Dry	Discretionary WL
	8/8/2007	943.60		Dry	Discretionary WL
	12/6/2007	943.60		Dry	Discretionary WL
PV-191B	4/23/2007	943.60		Dry	Discretionary WL
	8/8/2007	943.60		Dry	Discretionary WL
PV-192A	5/1/2007	943.31	94.80	848.51	Discretionary WL
	8/2/2007	943.31	94.90	848.41	Discretionary WL
	8/8/2007	943.31	94.96	848.35	Discretionary WL
PV-192B	4/23/2007	943.11	94.79	848.32	Discretionary WL
	5/1/2007	943.11	94.62	848.49	Discretionary WL
	8/8/2007	943.11	94.82	848.29	Discretionary WL
PV-193A	1/30/2007	943.71	79.48	864.23	Tritium WL
	2/15/2007	943.71	79.91	863.80	Quarterly WQ
	2/16/2007	943.71	80.10	863.61	CAL Contingency WL
	3/23/2007	943.71	79.76	863.95	Tritium WL
	4/2/2007	943.71	79.54	864.17	Verification sampling for F, Tritium WL
	4/24/2007	943.71	79.72	863.99	CAL Contingency WL
	5/23/2007	943.71	79.51	864.20	Tritium WL
	6/11/2007	943.71	79.57	864.14	Quarterly WQ
	7/12/2007	943.71	79.57	864.14	Verification of F
	7/26/2007	943.71	79.72	863.99	Quarterly IAL WQ
	8/8/2007	943.71	79.61	864.10	CAL Contingency WL
	10/2/2007	943.71	79.93	863.78	Quarterly WQ, sounder measurement
PV-193B	1/30/2007	943.61	77.10	866.51	Tritium WL
	2/16/2007	943.61	80.20	863.41	CAL Contingency WL
	3/23/2007	943.61	77.29	866.32	Tritium WL
	4/3/2007	943.61	80.04	863.57	Verification sampling for F, Tritium WL
	4/24/2007	943.61	80.07	863.54	CAL Contingency WL
	5/23/2007	943.61	79.82	863.79	Tritium WL
	7/12/2007	943.61	79.86	863.75	Verification of F in 193A
	8/8/2007	943.61	79.88	863.73	CAL Contingency WL
	10/2/2007	943.61	80.19	863.42	CAL Contingency WQ
PV-195A	1/23/2007	921.71	48.00	873.71	Verification sampling, Tritium WL
	2/15/2007	921.71	48.02	873.69	CAL Contingency & Tritium WL
	3/8/2007	921.71	47.87	873.84	Quarterly & CAL Contingency, Tritium WL
	4/24/2007	921.71	47.99	873.72	Tritium WL, CAL Contingency WL
	5/31/2007	921.71	47.93	873.78	Tritium WL
	6/28/2007	921.71	48.12	873.59	Quarterly & CAL Contingency, Tritium WL
	8/8/2007	921.71	48.10	873.61	CAL Contingency WL
	8/28/2007	921.71	48.15	873.56	Quarterly CAL Contingency
	11/16/2007	921.71	48.31	873.40	Qtrly WQ

TABLE C-3b. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-195B	1/23/2007	922.11	49.20	872.91	Verification sampling, Tritium WL
	2/15/2007	922.11	47.93	874.18	CAL Contingency & Tritium WL
	3/8/2007	922.11	49.54	872.57	Quarterly & CAL Contingency, Tritium WL
	4/24/2007	922.11	47.85	874.26	Tritium WL, CAL Contingency WL
	5/31/2007	922.11	47.81	874.30	Tritium WL
	6/28/2007	922.11	47.94	874.17	Quarterly & CAL Contingency, Tritium WL
	8/8/2007	922.11	47.92	874.19	CAL Contingency WL
	8/28/2007	922.11	47.98	874.13	Quarterly & CAL Contingency
PV-196A	2/16/2007	906.01		Dry	Discretionary WL
	4/23/2007	906.01		Dry	Discretionary WL
	5/1/2007	906.01		Dry	Discretionary WL
PV-196B	2/16/2007	906.11	78.19	827.92	Discretionary WL
PV-197A	2/15/2007	898.91		Dry	Discretionary WL
PV-197B	2/15/2007	899.31	59.31	840.00	Discretionary WL
PV-198AR	1/24/2007	931.48	73.22	858.26	Tritium WL
	2/9/2007	931.48	73.41	858.07	Qtr Sampling & CAL Contingency
	2/15/2007	931.48	73.28	858.20	CAL Contingency WL
	3/27/2007	931.48	73.51	857.97	Tritium WL
	4/23/2007	931.48	73.66	857.82	Tritium WL, CAL Contingency WL
	5/8/2007	931.48	73.83	857.65	Qtr Sampling & CAL Contingency, Tritium WL
	6/21/2007	931.48	74.01	857.47	Tritium WL
	7/26/2007	931.48	74.26	857.22	Qtr Sampling & CAL Contingency
	8/8/2007	931.48	74.25	857.23	CAL Contingency WL
	10/31/2007	931.48	74.70	856.78	Qtrly WQ
PV-198B	2/9/2007	930.41	71.45	858.96	Qtr WQ & CAL Contingency, WL below pump
	2/15/2007	930.41	71.55	858.86	CAL Contingency WL
	4/25/2007	930.41	71.48	858.93	CAL Contingency WL
	5/8/2007	930.41	71.48	858.93	Qtr WQ & CAL Contingency, not enough water to sample
	8/2/2007	930.41	74.10	856.31	Qtr WQ & CAL Contingency sample attempt, WL verification
PV-201A	2/15/2007	942.51	47.84	894.67	CAL Contingency WL
	4/23/2007	942.51	47.74	894.77	CAL Contingency WL
	8/8/2007	942.51	49.13	893.38	CAL Contingency WL
PV-201B	2/15/2007	942.51	47.90	894.61	CAL Contingency WL
	4/23/2007	942.51	47.68	894.83	CAL Contingency WL
	8/8/2007	942.51	49.09	893.42	CAL Contingency WL
PV-202A	1/30/2007	941.93	70.98	870.95	Tritium WL
	2/15/2007	941.93	70.98	870.95	CAL Contingency & Tritium WL
	3/27/2007	941.93	70.98	870.95	Tritium WL
	4/19/2007	941.93	71.13	870.80	Tritium WL
	4/23/2007	941.93	71.09	870.84	CAL Contingency WL
	5/31/2007	941.93	71.09	870.84	Tritium WL
	8/8/2007	941.93	71.16	870.77	CAL Contingency WL

TABLE C-3b. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-202B	1/30/2007	942.05	70.96	871.09	Tritium WL
	2/15/2007	942.05	71.21	870.84	CAL Contingency & Tritium WL
	3/27/2007	942.05	70.91	871.14	Tritium WL
	4/19/2007	942.05	71.21	870.84	Tritium WL
	5/31/2007	942.05	71.10	870.95	Tritium WL
	8/8/2007	942.05	71.19	870.86	CAL Contingency WL
PV-203A	2/16/2007	942.14	70.02	872.12	Discretionary WL
	4/23/2007	942.14	69.91	872.23	Discretionary WL
	8/8/2007	942.14	70.25	871.89	Discretionary WL
PV-203B	8/8/2007	942.26	70.72	871.54	Discretionary WL
PV-204A	2/15/2007	943.62	57.35	886.27	CAL Contingency WL
	5/1/2007	943.62	57.28	886.34	CAL Contingency WL
	8/8/2007	943.62	57.64	885.98	CAL Contingency WL
PV-204B	2/15/2007	943.88	58.28	885.60	CAL Contingency WL
	5/1/2007	943.88	58.28	885.60	CAL Contingency WL
	8/8/2007	943.88	58.71	885.17	CAL Contingency WL
PV-205A	2/16/2007	907.23	69.65	837.58	Discretionary WL
	4/25/2007	907.23	69.27	837.96	Discretionary WL
	8/8/2007	907.23	69.21	838.02	Discretionary WL
205B	2/16/2007	907.14	84.81	822.33	Discretionary WL
PV-206A	1/24/2007	947.91	80.02	867.89	Tritium WL
	2/8/2007	947.91	80.15	867.76	Qtrly Contingency & Tritium
	2/16/2007	947.91	80.26	867.65	CAL Contingency WL
	3/27/2007	947.91	80.37	867.54	Tritium WL
	4/24/2007	947.91	80.41	867.50	Tritium WL, CAL Contingency WL
	5/11/2007	947.91	80.39	867.52	recheck water level for Qtr CAL Cont WQ & WL
	5/31/2007	947.91	80.34	867.57	Tritium WL
	6/21/2007	947.91	80.46	867.45	Tritium WL
	7/20/2007	947.91	80.57	867.34	Qtr WQ & CAL Contingency
	8/9/2007	947.91	80.66	867.25	CAL Contingency WL
	10/30/2007	947.91	80.77	867.14	Qtrly WQ
PV-206B	1/24/2007	947.68	79.61	868.07	Tritium WL
	2/8/2007	947.68	81.54	866.14	Qtrly Contingency & Tritium, pump broken
	2/14/2007	947.68	79.79	867.89	Qtr WQ & CAL Contingency, pump replaced
	2/16/2007	947.68	79.77	867.91	CAL Contingency WL
	3/27/2007	947.68	79.93	867.75	Tritium WL
	4/24/2007	947.68	80.03	867.65	Tritium WL, CAL Contingency WL
	5/2/2007	947.68	79.92	867.76	Quarterly & CAL Contingency, Tritium WL
	5/31/2007	947.68	80.03	867.65	Tritium WL
	6/21/2007	947.68	80.11	867.57	Tritium WL
	7/20/2007	947.68	80.22	867.46	CAL Contingency WQ & WL
	8/9/2007	947.68	80.30	867.38	CAL Contingency WL
207A	8/16/2007	967.24		Dry	Discretionary

TABLE C-3b. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-216R	2/12/2007	891.01	195.51	695.50	Subsidence Program Measurement
	4/23/2007	891.01	194.83	696.18	Subsidence Program Measurement
	7/10/2007	891.01	195.88	695.13	Subsidence Program Measurement
	10/11/2007	891.01	197.74	693.27	Subsidence Program Measurement
PV-21H	1/24/2007	962.10	72.41	889.69	Tritium WL
	2/2/2007	962.10	72.51	889.59	Tritium WL
	3/27/2007	962.10	72.73	889.37	Tritium WL
	4/24/2007	962.10	72.86	889.24	Tritium WL
	5/31/2007	962.10	72.73	889.37	Tritium WL
PV-21HA	1/24/2007	961.00		Dry	Tritium WL
	2/2/2007	961.00		Dry	Tritium WL
	3/27/2007	961.00		Dry	Tritium WL
	4/24/2007	961.00		Dry	Tritium WL
	5/31/2007	961.00		Dry	Tritium WL
PV-21HB	1/24/2007	961.70	71.93	889.77	Tritium WL
	2/2/2007	961.70	72.06	889.64	Tritium WL
	3/27/2007	961.70	72.26	889.44	Tritium WL
	4/24/2007	961.70	72.38	889.32	Tritium WL
	5/31/2007	961.70	72.21	889.49	Tritium WL
PV-24H	1/24/2007	947.00	57.98	889.02	Tritium WL
	2/2/2007	947.00	56.93	890.07	Tritium WL
	3/27/2007	947.00	57.88	889.12	Tritium WL
	4/24/2007	947.00	58.15	888.85	Tritium WL
	5/31/2007	947.00	58.08	888.92	Tritium WL
	6/21/2007	947.00	58.11	888.89	Tritium WL
	8/9/2007	947.00	58.28	888.72	Discretionary WL
	8/28/2007	947.00	58.24	888.76	Discretionary WL
PV-24HA	1/24/2007	940.71		Dry	Tritium WL
	2/2/2007	940.71		Dry	Tritium WL
	3/27/2007	940.71		Dry	Tritium WL
	4/24/2007	940.71		Dry	Tritium WL
	5/31/2007	940.71		Dry	Tritium WL
	6/21/2007	940.71		Dry	Tritium WL
	8/9/2007	940.71		Dry	Discretionary WL
PV-24HB	2/2/2007	940.91	52.73	888.18	Tritium WL
	3/27/2007	940.91	52.66	888.25	Tritium WL
	4/24/2007	940.91	52.92	887.99	Tritium WL
	5/31/2007	940.91	52.86	888.05	Tritium WL
	6/21/2007	940.91	53.02	887.89	Tritium WL
	8/9/2007	940.91	53.29	887.62	Discretionary WL
PV-25HA	1/22/2007	942.10	57.11	884.99	Tritium WL
	2/23/2007	942.10	56.74	885.36	Tritium WL Recheck
	3/27/2007	942.10	56.69	885.41	Tritium WL
	4/26/2007	942.10	56.82	885.28	Tritium WL
	5/31/2007	942.10	56.99	885.11	Tritium WL

TABLE C-3b. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-25HB	1/22/2007	942.20		Dry	Tritium WL
	2/2/2007	942.20		Dry	Tritium WL
	3/27/2007	942.20		Dry	Tritium WL
	4/26/2007	942.20		Dry	Tritium WL
	5/31/2007	942.20		Dry	Tritium WL
PV-28H	4/26/2007	931.08		Dry	Discretionary WL
PV-28HA	4/26/2007	930.91		Dry	Discretionary WL
	8/8/2007	930.91		Dry	Discretionary WL
PV-28HB	4/26/2007	930.81	44.12	886.69	Discretionary WL
	8/8/2007	930.81	45.48	885.33	Discretionary WL
PV-29H	4/26/2007	928.70		Dry	Discretionary WL
PV-29HA	4/26/2007	928.80		Dry	Discretionary WL
	8/8/2007	928.80		Dry	Discretionary WL
PV-29HB	4/26/2007	928.40	47.32	881.08	Discretionary WL
	5/1/2007	928.40	47.38	881.02	Discretionary WL
	8/8/2007	928.40	47.98	880.42	Discretionary WL
PV-33H	1/24/2007	916.71	44.86	871.85	Tritium WL
	2/15/2007	916.71	43.99	872.72	CAL Contingency WL
	2/26/2007	916.71	43.98	872.73	Quarterly WQ
	3/27/2007	916.71	43.89	872.82	Tritium WL
	4/11/2007	916.71	43.96	872.75	attempt Verification sample for K, pump broken, Tritium WL
	4/18/2007	916.71	42.33	874.38	Verification sample for K
	4/24/2007	916.71	44.08	872.63	CAL Contingency WL
	5/23/2007	916.71	44.32	872.39	Tritium WL
	6/5/2007	916.71	44.11	872.60	2nd Verification sample
PV-33HB	2/15/2007	917.01	44.42	872.59	CAL Contingency WL
	4/18/2007	917.01	44.41	872.60	Verification sample for K
	4/24/2007	917.01	44.42	872.59	CAL Contingency WL
	6/5/2007	917.01	45.23	871.78	2nd Verification sample
PV-34H	1/24/2007	911.51	44.04	867.47	Quarterly WQ & Tritium WL
	2/15/2007	911.51	44.41	867.10	CAL Contingency WL
	2/26/2007	911.51	44.41	867.10	Qtrly WQ, pump broken
	3/6/2007	911.51	44.21	867.30	Qrtly WQ, pump replaced
	3/7/2007	911.51	44.28	867.23	Tritium WL
	4/3/2007	911.51	44.19	867.32	Verification sampling for K, Tritium WL
	4/24/2007	911.51	44.18	867.33	CAL Contingency WL
	5/31/2007	911.51	44.21	867.30	Tritium WL
	6/11/2007	911.51	44.29	867.22	Quarterly CAL WQ, Tritium WL
	6/20/2007	911.51	43.78	867.73	Quarterly WQ pick up missed NO3 and TTHM
	7/20/2007	911.51	44.46	867.05	WL verification
	8/2/2007	911.51	44.51	867.00	Quarterly CAL WQ
	8/8/2007	911.51	44.42	867.09	CAL Contingency WL
	11/13/2007	911.51	44.94	866.57	Qtrly WQ

TABLE C-3b. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-34HB	2/15/2007	910.51	42.78	867.73	CAL Contingency WL
	4/4/2007	910.51	42.85	867.66	Attempt verification sampling for K
	4/24/2007	910.51	42.79	867.72	CAL Contingency WL
	7/12/2007	910.51	43.04	867.47	WL verification
	7/20/2007	910.51	43.13	867.38	WL verification
	8/2/2007	910.51	43.38	867.13	Qtrly WQ attempt, pump works, not enough wtr to sample
	8/9/2007	910.51		Dry	CAL Contingency WL
PV-Q1	1/24/2007	954.90		Dry	Tritium WL
	2/2/2007	954.90		Dry	Tritium WL
	3/27/2007	954.90		Dry	Tritium WL
	4/24/2007	954.90		Dry	Tritium WL
	5/31/2007	954.90		Dry	Tritium WL
PV-Q3	1/5/2007	949.95		Dry	Tritium WL
	1/12/2007	949.95		Dry	Tritium WL
	1/19/2007	949.95		Dry	Tritium WL
	1/26/2007	949.95		Dry	Tritium WL
	2/2/2007	949.95		Dry	Tritium WL
	2/9/2007	949.95		Dry	Tritium WL
	2/14/2007	949.95		Dry	Tritium WL
	2/22/2007	949.95		Dry	Tritium WL
	3/2/2007	949.95		Dry	Tritium WL
	3/8/2007	949.95		Dry	Tritium WL
	3/16/2007	949.95		Dry	Tritium WL
	3/20/2007	949.95		Dry	Tritium WL
	3/30/2007	949.95		Dry	Tritium WL
	4/6/2007	949.95		Dry	Tritium WL
	4/13/2007	949.95		Dry	Tritium WL
	4/19/2007	949.95		Dry	Tritium WL
	4/27/2007	949.95		Dry	Tritium WL
	5/4/2007	949.95		Dry	Tritium WL
	5/10/2007	949.95		Dry	Tritium WL
	5/18/2007	949.95		Dry	Tritium WL
	5/25/2007	949.95		Dry	Tritium WL
	6/1/2007	949.95		Dry	Tritium WL
	6/8/2007	949.95		Dry	Tritium WL
	6/16/2007	949.95		Dry	Tritium WL
	6/22/2007	949.95		Dry	Tritium WL
PV-Q5	4/23/2007	938.31	56.03	882.28	Discretionary WL
	8/8/2007	938.31	56.57	881.74	Discretionary WL

TABLE C-3b. GROUNDWATER LEVELS AT ON-SITE WELLS

SAMPLE LOCATION	DATE MEASURED	TOP OF CASING ELEVATION (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	WATER ELEVATION (FT AMSL)	TYPE OF MEASUREMENT
PV-Q8	1/24/2007	923.8	78.61	845.19	Tritium WL
	2/14/2007	923.8	78.57	845.23	Qtr WQ, pump broken
	2/16/2007	923.8	78.67	845.13	CAL Contingency WL
	2/22/2007	923.8	78.36	845.44	Qtr WQ, replaced pump, WL on 2/22/07
	3/27/2007	923.8	78.36	845.44	Tritium WL
	4/23/2007	923.8	78.53	845.27	Tritium WL, CAL Contingency WL
	5/29/2007	923.8	78.53	845.27	Qtrly WQ, Tritium WL
	6/21/2007	923.8	78.53	845.27	Tritium WL
	7/26/2007	923.8	78.64	845.16	Qtrly WQ
	8/8/2007	923.8	78.57	845.23	CAL Contingency WL
	10/31/2007	923.8	78.76	845.04	Qtrly WQ
PV-R2AR	1/22/2007	961.15	72.89	888.26	Tritium WL
	2/2/2007	961.15	72.09	889.06	Tritium WL
	2/15/2007	961.15	72.31	888.84	CAL Contingency WL
	3/16/2007	961.15	71.97	889.18	Quarterly WQ
	4/24/2007	961.15	71.71	889.44	Tritium WL, CAL Contingency WL
	5/15/2007	961.15	71.60	889.55	Tritium WL from TROLL
	6/28/2007	961.15	71.66	889.49	Quarterly WQ & Tritium WL
	8/9/2007	961.15	71.88	889.27	CAL Contingency WL (sounder)
	9/18/2007	961.15	72.20	888.95	Quarterly WQ (sounder)
	11/19/2007	961.15	72.72	888.43	Qtrly WQ
U5-PTWA	2/15/2007	930.75		Dry	CAL Contingency WL
	4/23/2007	930.75		Dry	CAL Contingency WL
	8/8/2007	930.75		Dry	CAL Contingency WL
U5-PTWB	2/15/2007	930.81	42.96	887.85	CAL Contingency WL
	4/23/2007	930.81	43.01	887.80	CAL Contingency WL
	8/8/2007	930.81	43.44	887.37	CAL Contingency WL

IAL = Indicator Alert Level
CAL = Contingency Alert Level
ft amsl = feet above mean sea level
ft bmp = feet below measuring point
WL = Water Level
WQ = Water Quality