PV-063

2005 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	ELEVATION TOP OF CASING (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	ELEVATION WL (FT AMSL)	TYPE OF ANALYSIS
27cbc	1/25/05	966.02	203.85	762.17	Subsidence Program Measurement
	4/12/05	966.02	203.2	762.82	Subsidence Program Measurement
	7/8/05	966.02	203.65	762.37	Subsidence Program Measurement
	10/5/05	966.02	203.21	762.81	Subsidence Program Measurement
	6/9/05	954.3	201.7	752.6	GeoTrans Ambient
27ddc	6/9/05	954.3	201.7	752.6	GeoTrans Ambient
34abb	6/8/05	962.32	210.95	751.37	GeoTrans Ambient
APP-1	1/14/05	920.64	Dry	Dry	Monthly Contingency WL
	2/1/05	920.64	Dry	Dry	Monthly Contingency WL
	4/29/05	920.64	Dry	Dry	Monthly Contingency WL
	5/11/05	920.64	Dry	Dry	Monthly Contingency WL
	6/3/05	920.64	Dry	Dry	Monthly Contingency WL
	7/6/05	920.64	Dry	Dry	Monthly Contingency WL
	7/20/05	920.64	Dry	Dry	CAL Contingency WL
	8/12/05	920.64	Dry	Dry	Monthly Contingency WL
	9/14/05	920.64	Dry	Dry	Quarterly WQ
	10/28/05	920.64	Dry	Dry	Quarterly WQ
APP-3	9/14/05	916.73	217.68	699.05	Quarterly WQ
	9/30/05	916.73	217.8	698.93	Re-do 524.2 (pH)
	11/30/05	916.73	217.84	698.89	Quarterly WQ
APP-4	8/25/05	917.14	149.71	767.43	Discretionary WQ
	9/20/05	917.14	150.78	766.36	Quarterly WQ
	12/6/05	917.14	149.76	767.38	Quarterly WQ
APP-5	8/25/05	912.53	133.4	779.13	Discretionary WQ
	9/20/05	912.53	133.65	778.88	Quarterly WQ
	12/6/05	912.53	133.83	778.7	Quarterly WQ
APP-6	9/21/05	920.8	188.71	732.09	Quarterly WQ
	9/30/05	920.8	189.39	731.41	Method 515 Pentachloro-phenol
	12/8/05	920.8	189.28	731.52	Quarterly WQ
PV-14H	1/14/05	922.01	56.7	865.31	Monthly Contingency WL
	2/1/05	922.01	56.69	865.32	Monthly Contingency WL
	2/23/05	922.01	56.6	865.41	Quarterly WQ
	3/25/05	922.01	56.7	865.31	Verification for Chloride AL
	4/29/05	922.01	56.66	865.35	Monthly Contingency WL & Monthly Sample
	5/11/05	922.01	56.59	865.42	Monthly Contingency WL
	5/26/05	922.01	56.59	865.42	Monthly Contigency Sample
	6/3/05	922.01	56.57	865.44	Monthly Contingency WL
	6/21/05	922.01	56.75	865.26	Quarterly WQ
	7/7/05	922.01	56.5	865.51	Monthly Contingency WL
	7/20/05	922.01	56.52	865.49	CAL Contingency WL
	8/12/05	922.01	56.66	865.35	Monthly Contingency WL
	9/22/05	922.01	56.58	865.43	Quarterly WQ
	12/21/05	922.01	56.85	865.16	Quarterly WQ

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

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	ELEVATION WL (FT AMSL)	TYPE OF ANALYSIS
PV-14HB	3/25/05	921.81	55.9	865.91	Verification for Chloride - WL after pumping PV-14H - 56.65, 0.75' drop.
	4/29/05	921.81	56.1	865.71	Monthly Contingency Sample
	5/26/05	921.81	56.44	865.37	Monthly Contingency Sample
	7/20/05	921.81	55.98	865.83	CAL Contingency WL
PV-174	7/21/05	955.75	63.35	892.4	Discretionary WL
PV-183	7/20/05	951.7	54.05	897.65	Discretionary WL
PV-192A	7/20/05	943.31	94.42	848.89	Discretionary WL
PV-193A	1/14/05	943.71	79.3	864.41	Monthly Contingency WL
	2/1/05	943.71	79.25	864.46	Monthly Contingency WL
	2/10/05	943.71	79.15	864.56	Quarterly WQ
	4/29/05	943.71	79.22	864.49	Monthly Contingency WL
	5/11/05	943.71	79.08	864.63	Monthly Contingency WL
	6/3/05	943.71	79.03	864.68	Monthly Contingency WL
	6/9/05	943.71	78.8	864.91	Quarterly WQ
	7/6/05	943.71	79.2	864.51	Monthly Contingency WL
	7/20/05	943.71	79.2	864.51	CAL Contingency WL
	8/12/05	943.71	79.1	864.61	Monthly Contingency WL
	8/17/05	943.71	79.34	864.37	Discretionary WQ
	9/14/05	943.71	79.33	864.38	Quarterly WQ
	12/1/05	943.71	79.49	864.22	Quarterly WQ
PV-193B	7/20/05	943.61	79.53	864.08	CAL Contingency WL
PV-195A	1/14/05	921.71	47.5	874.21	Monthly Contingency WL
	2/1/05	921.71	47.46	874.25	Monthly Contingency WL
	3/2/05	921.71	47.6	874.11	Quarterly WQ
	4/29/05	921.71	47.58	874.13	Monthly Contingency WL
	5/11/05	921.71	47.39	874.32	Monthly Contingency WL
	6/3/05	921.71	47.45	874.26	Monthly Contingency WL
	6/21/05	921.71	47.55	874.16	Quarterly WQ
	7/7/05	921.71	47.55	874.16	Monthly Contingency WL
	7/20/05	921.71	47.55	874.16	CAL Contingency WL
	8/12/05	921.71	47.44	874.27	Monthly Contingency WL
	9/22/05	921.71	47.5	874.21	Quarterly WQ
	12/21/05	921.71	47.7	874.01	Quarterly WQ
PV-195B	7/20/05	922.11	47.38	874.73	CAL Contingency WL
PV-196A	7/20/05	906.01	77.32	828.69	Discretionary WL
PV-197A	7/21/05	898.91	58.52	840.39	Discretionary WL

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

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	ELEVATION WL (FT AMSL)	TYPE OF ANALYSIS
PV-198AR	1/14/05	931.44	71.9	859.54	Monthly Contingency WL
	2/1/05	931.44	70.2	861.24	Monthly Contingency WL
	4/29/05	931.44	64.84	866.6	Monthly Contingency WL
	5/11/05	931.44	64.73	866.71	Monthly Contingency WL
	6/3/05	931.44	65.11	866.33	Monthly Contingency WL
	7/6/05	931.44	65.85	865.59	Monthly Contingency WL
	7/20/05	931.44	66.29	865.15	CAL Contingency WL
	8/11/05	931.44	66.7	864.74	Discretionary WQ
	8/12/05	931.44	66.75	864.69	Monthly Contingency WL
	9/13/05	931.44	67.6	863.84	Quarterly WQ and K IAL Verification
	10/13/05	931.44	68.11	863.33	Quarterly WQ
PV-198B	7/20/05	930.41	66.1	864.31	CAL Contingency WL
	9/15/05	930.41	67.3	863.11	198AR K IAL Verification
	10/11/05	930.41	67.93	862.48	Cl AL Verification
PV-201A	1/14/05	942.51	43.97	898.54	Monthly Contingency WL
	2/1/05	942.51	41.41	901.1	Monthly Contingency WL
	4/29/05	942.51	37.42	905.09	Monthly Contingency WL
	5/12/05	942.51	37.79	904.72	Monthly Contingency WL
	6/3/05	942.51	38.5	904.01	Monthly Contingency WL
	7/6/05	942.51	41.28	901.23	Monthly Contingency WL
	7/20/05	942.51	40.82	901.69	CAL Contingency WL
	8/12/05	942.51	41.35	901.16	Monthly Contingency WL
PV-201B	1/14/05	942.51	42.95	899.56	Monthly Contingency WL
	2/1/05	942.51	41.45	901.06	Monthly Contingency WL
	4/29/05	942.51	37.35	905.16	Monthly Contingency WL
	5/12/05	942.51	37.76	904.75	Monthly Contingency WL
	6/3/05	942.51	38.5	904.01	Monthly Contingency WL
	7/6/05	942.51	41.15	901.36	Monthly Contingency WL
	7/20/05	942.51	40.75	901.76	CAL Contingency WL
	8/12/05	942.51	41.32	901.19	Monthly Contingency WL
PV-202A	1/14/05	941.93	70.22	871.71	Monthly Contingency WL
	2/1/05	941.93	70.38	871.55	Monthly Contingency WL
	4/29/05	941.93	70.35	871.58	Monthly Contingency WL
	5/12/05	941.93	70.42	871.51	Monthly Contingency WL
	6/3/05	941.93	70.48	871.45	Monthly Contingency WL
	7/6/05	941.93	70.45	871.48	Monthly Contingency WL
	7/20/05	941.93	70.5	871.43	CAL Contingency WL
	8/12/05	941.93	70.4	871.53	Monthly Contingency WL
PV-203A	7/20/05	942.14	68.28	873.86	Discretionary WL

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

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	ELEVATION WL (FT AMSL)	TYPE OF ANALYSIS
PV-204A	1/14/05	943.88	56	887.88	Monthly Contingency WL
	2/1/05	943.88	56.05	887.83	Monthly Contingency WL
	4/29/05	943.88	56.27	887.61	Monthly Contingency WL
	5/12/05	943.88	56.28	887.6	Monthly Contingency WL
	6/3/05	943.88	56.24	887.64	Monthly Contingency WL
	7/6/05	943.88	56.02	887.86	Monthly Contingency WL
	7/20/05	943.88	56.37	887.51	CAL Contingency WL
	8/12/05	943.88	56.14	887.74	Monthly Contingency WL
PV-204B	1/14/05	943.62	56.95	886.67	Monthly Contingency WL
	2/1/05	943.62	57.93	885.69	Monthly Contingency WL
	4/29/05	943.62	57.08	886.54	Monthly Contingency WL
	5/12/05	943.62	57.2	886.42	Monthly Contingency WL
	6/3/05	943.62	57.29	886.33	Monthly Contingency WL
	7/6/05	943.62	57.05	886.57	Monthly Contingency WL
	7/20/05	943.62	57.08	886.54	CAL Contingency WL
	8/12/05	943.62	57.22	886.4	Monthly Contingency WL
PV-205A	7/21/05	907.23	68.7	838.53	Discretionary WL
PV-206A	1/14/05	947.91	77.32	870.59	Monthly Contingency WL
	2/1/05	947.91	77.32	870.59	Monthly Contingency WL
	2/9/05	947.91	77.49	870.42	Qtr & 2nd Level Qtr Contingency
	2/11/05	947.91	77.4	870.51	Follow-up Rad Samples
	3/9/05	947.91	77.65	870.26	Follow-up 524.2 Samples
	4/29/05	947.91	77.71	870.2	Monthly Contingency WL
	5/5/05	947.91	77.75	870.16	Discretionary
	5/11/05	947.91	77.69	870.22	Monthly Contingency WL
	5/25/05	947.91	77.76	870.15	Discretionary
	6/1/05	947.91	77.94	869.97	Qtr & 2nd Level Contingency
	6/3/05	947.91	77.83	870.08	Monthly Contingency WL
	6/29/05	947.91	77.88	870.03	Verification for Se
	7/7/05	947.91	77.85	870.06	Monthly Contingency WL
	7/20/05	947.91	77.88	870.03	CAL Contingency WL
	7/28/05	947.91	78.12	869.79	Discretionary WQ
	8/12/05	947.91	78.08	869.83	Monthly Contingency WL
	9/13/05	947.91	78.24	869.67	Qtr WQ & CAL Contingency
	10/12/05	947.91	78.39	869.52	Qtr WQ & CAL Contingency
PV-206B	5/6/05	947.68	77.72	869.96	Discretionary
	7/7/05	947.68	77.65	870.03	Monthly Contingency WL
	7/20/05	947.68	77.68	870	CAL Contingency WL
	7/28/05	947.68	77.66	870.02	Discretionary WQ
	9/13/05	947.68	77.92	869.76	CAL Contingency WQ & WL
	10/12/05	947.68	77.97	869.71	CAL Contingency WQ & WL

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

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	ELEVATION WL (FT AMSL)	TYPE OF ANALYSIS
PV-216R	1/25/05	891.01	188.2	702.81	Subsidence Program Measurement
	4/12/05	891.01	187.85	703.16	Subsidence Program Measurement
	7/8/05	891.01	190.04	700.97	Subsidence Program Measurement
	10/5/05	891.01	191.24	699.77	Subsidence Program Measurement
PV-24H	7/21/05	947	57.38	889.62	Discretionary WL
PV-24HB	7/20/05	940.91	51.1	889.81	Discretionary WL
PV-25HA	7/20/05	942.1	57.83	884.27	Discretionary WL
PV-28HB	7/20/05	930.81	40.65	890.16	Discretionary WL
PV-29HB	7/20/05	928.4	46.14	882.26	Discretionary WL
PV-33H	1/14/05	916.71	42.65	874.06	Monthly Contingency WL
	2/1/05	916.71	42.79	873.92	Monthly Contingency WL
	2/15/05	916.71	42.6	874.11	Quarterly
	4/29/05	916.71	42.71	874	Monthly Contingency WL
	5/11/05	916.71	42.84	873.87	Monthly Contingency WL
	6/3/05	916.71	42.75	873.96	Monthly Contingency WL
	6/15/05	916.71	42.58	874.13	Quarterly WQ
	7/6/05	916.71	42.9	873.81	Monthly Contingency WL
	7/20/05	916.71	43	873.71	CAL Contingency WL
	8/12/05	916.71	43.05	873.66	Monthly Contingency WL
	8/17/05	916.71	42.95	873.76	Discretionary WQ
	9/16/05	916.71	42.97	873.74	Quarterly WQ
	12/2/05	916.71	43.15	873.56	Quarterly WQ
PV-33HB	7/20/05	917.01	43.39	873.62	CAL Contingency WL
PV-34H	1/14/05	911.51	42.73	868.78	Monthly Contingency WL
	2/1/05	911.51	42.55	868.96	Monthly Contingency WL
	2/16/05	911.51	42.75	868.76	Quarterly
	4/29/05	911.51	42.86	868.65	Monthly Contingency WL
	5/11/05	911.51	42.82	868.69	Monthly Contingency WL
	6/3/05	911.51	43.92	867.59	Monthly Contingency WL.
	6/16/05	911.51	43.05	868.46	Quarterly WQ
	7/6/05	911.51	43.01	868.5	Monthly Contingency WL
	7/20/05	911.51	43	868.51	CAL Contingency WL
	8/12/05	911.51	43.07	868.44	Monthly Contingency WL
	8/26/05	911.51	43.23	868.28	Discretionary WQ
	8/26/05	911.51	46.05	865.46	Discretionary. Well went dry in the morning, sampled in the afternoon.
	9/21/05	911.51	43.28	868.23	Quarterly WQ. Well went dry in the morning, sampled in the afternoon.
	12/7/05	911.51	43.3	868.21	Quarterly WQ
PV-34HB	7/20/05	910.51	41.98	868.53	CAL Contingency WL
PV-Q5	7/20/05	938.31	54.35	883.96	Discretionary WL

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

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	ELEVATION WL (FT AMSL)	TYPE OF ANALYSIS
PV-Q8	1/14/05	923.8	78.25	845.55	Monthly Contingency WL
	2/1/05	923.8	78.1	845.7	Monthly Contingency WL
	4/29/05	923.8	78.22	845.58	Monthly Contingency WL
	5/11/05	923.8	78.69	845.11	Monthly Contingency WL
	6/3/05	923.8	78.14	845.66	Monthly Contingency WL
	6/8/05	923.8	78.15	845.65	Quarterly
	7/6/05	923.8	78.2	845.6	Monthly Contingency WL
	7/20/05	923.8	78.24	845.56	CAL Contingency WL
	8/12/05	923.8	78.29	845.51	Monthly Contingency WL
	8/16/05	923.8	78.36	845.44	Discretionary, well went dry
	9/13/05	923.8	78.22	845.58	Quarterly WQ, well went dry
	10/27/05	923.8	78.34	845.46	Quarterly WQ, well went dry
PV-R2A	1/14/05	956.31	85.05	871.26	Monthly Contingency WL
	2/1/05	956.31	85.29	871.02	Monthly Contingency WL
	3/3/05	956.31	85	871.31	Quarterly WQ
	4/29/05	956.31	84.2	872.11	Monthly Contingency WL
	5/11/05	956.31	77.5	878.81	Monthly Contingency WL
	6/3/05	956.31	83.74	872.57	Monthly Contingency WL
	6/22/05	956.31	83.76	872.55	Quarterly WQ
PV-R2AR	1/14/05	961.11	82.01	879.1	Monthly Contingency WL
	2/1/05	961.11	84.7	876.41	Monthly Contingency WL
	4/29/05	961.11	79.82	881.29	Monthly Contingency WL
	5/11/05	961.11	79.52	881.59	Monthly Contingency WL
	6/3/05	961.11	78.89	882.22	Monthly Contingency WL
	7/7/05	961.11	78.63	882.48	Monthly Contingency WL
	7/20/05	961.11	78.45	882.66	CAL Contingency WL
	8/12/05	961.11	78.03	883.08	Monthly Contingency WL
	9/22/05	961.11	77.17	883.94	Quarterly WQ
	12/22/05	961.11	76.33	884.78	Quarterly WQ
PV-TR1	7/21/05	962.6	67.85	894.75	Discretionary WL
U5-PTWA	1/14/05	930.75	41.7	889.05	Monthly Contingency WL
	2/1/05	930.75	41.7	889.05	Monthly Contingency WL
	4/29/05	930.75	41.52	889.23	Monthly Contingency WL
	5/11/05	930.75	41.6	889.15	Monthly Contingency WL
	6/3/05	930.75	41.6	889.15	Monthly Contingency WL
	7/7/05	930.75	41.68	889.07	Monthly Contingency WL
	7/20/05	930.75	41.62	889.13	CAL Contingency WL
	8/12/05	930.75	41.75	889	Monthly Contingency WL

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

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING (FT AMSL)	MEASURED DEPTH TO WATER (FT BMP)	ELEVATION WL (FT AMSL)	TYPE OF ANALYSIS
U5-PTWB	1/14/05	930.81	41.35	889.46	Monthly Contingency WL
	2/1/05	930.81	41.38	889.43	Monthly Contingency WL
	4/29/05	930.81	41.36	889.45	Monthly Contingency WL
	5/11/05	930.81	41.2	889.61	Monthly Contingency WL
	6/3/05	930.81	42.22	888.59	Monthly Contingency WL
	7/7/05	930.81	41.42	889.39	Monthly Contingency WL
	7/20/05	930.81	41.47	889.34	CAL Contingency WL
	8/12/05	931.81	41.27	890.54	Monthly Contingency WL

AL = Alert Level
CAL = Contigency 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	RESULT	AL	AQL	SAMPLE TYPE	AWQS
9/14/05	pH	pH Units	8.17	Resd	Resd	Quarterly	NE
	Specific Conductance	umhos/cm	2,200	Resd	Resd	Quarterly	NE
	Cation/Anion Balance	%	0.6	Resd	Resd	Quarterly	NE
	Alkalinity as CaCO3	mg/L	210	Resd	Resd	Quarterly	NE
	Calcium, Dissolved	mg/L	17	Resd	Resd	Quarterly	NE
	Magnesium, Dissolved	mg/L	9.5	Resd	Resd	Quarterly	NE
	Sodium	mg/L	430	Resd	Resd	Quarterly	NE
	Antimony, Dissolved	mg/L	< 0.05	Resd	Resd	Quarterly	0.006
	Arsenic, Dissolved	mg/L	< 0.05	Resd	Resd	Quarterly	0.05
	Barium, Dissolved	mg/L	0.02	Resd	Resd	Quarterly	2
	Boron, Dissolved	mg/L	1.5	Resd	NE	Quarterly	NE
	Beryllium, Dissolved	mg/L	< 0.004	Resd	Resd	Quarterly	0.004
	Cadmium, Dissolved	mg/L	< 0.005	Resd	Resd	Quarterly	0.005
	Chromium, Dissolved	mg/L	0.036	Resd	Resd	Quarterly	0.1
	Chloride	mg/L	420	Resd	NE	Quarterly	NE
	Fluoride	mg/L	7.1	Resd	Resd	Quarterly	4
	Lead	mg/L	< 0.001	Resd	Resd	Quarterly	0.05
	Mercury, Dissolved	mg/L	< 0.0002	Resd	Resd	Quarterly	0.002
	Nickel, Dissolved	mg/L	< 0.05	Resd	Resd	Quarterly	0.1
	Nitrate-Nitrite (as N)	mg/L	4.1	Resd	Resd	Quarterly	10
	Potassium, Dissolved	mg/L	3.6	Resd	Resd	Quarterly	NE
	Selenium	mg/L	0.0051	Resd	NE	Quarterly	0.05
	Sulfate	mg/L	170	Resd	NE	Quarterly	NE
	Total Dissolved Solids	mg/L	1,300	Resd	NE	Quarterly	NE
	Thallium	mg/L	< 0.001	Resd	Resd	Quarterly	0.002
	Benzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Benzo(a)pyrene	mg/L	< 0.02	Resd	Resd	Quarterly	0.0002
	Carbon tetrachloride	mg/L	< 0.0025	Resd	Resd	Quarterly	0.005
	1,2-Dichlorobenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.6
	1,4-Dichlorobenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
	1,2-Dichloroethane	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	1,1-Dichloroethene	mg/L	< 0.005	Resd	Resd	Quarterly	0.007
	trans-1,2-Dichloroethene	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
	1,2-Dichloropropane	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Methylene chloride	mg/L	< 0.005	Resd	Resd	Quarterly	0.005
	Di(2-ethylhexyl)adipate	mg/L	< 0.0006	Resd	Resd	Quarterly	0.4
	Bis(2-ethylhexyl)phthalate	mg/L	< 0.05	Resd	Resd	Quarterly	0.006
	Ethylbenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.7
	Hexachlorobenzene	mg/L	< 0.01	Resd	Resd	Quarterly	0.001
	Hexachlorocyclopentadiene	mg/L	< 0.04	Resd	Resd	Quarterly	0.05
	Chlorobenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
	Pentachlorophenol	mg/L	< 0.02	Resd	Resd	Quarterly	0.001
	2,3,7,8-TCDD	mg/L	< 0.000000005	Resd	Resd	Quarterly	0.00000003
	Tetrachloroethene	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Toluene	mg/L	< 0.002	Resd	Resd	Quarterly	1
	Total Trihalomethanes	mg/L	0.0029	Resd	Resd	Quarterly	0.1
	1,2,4-Trichlorobenzene	mg/L	< 0.01	Resd	Resd	Quarterly	0.07
	1,1,1-Trichloroethane	mg/L	< 0.002	Resd	Resd	Quarterly	0.2
	1,1,2-Trichloroethane	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Trichloroethene	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Vinyl chloride	mg/L	< 0.002	Resd	Resd	Quarterly	0.002
	Xylenes, Total	mg/L	< 0.01	Resd	Resd	Quarterly	10
	Tritium	pCi/L	≤ 3,000	3,000	20,000	Quarterly	20,000
	Iodine-131	pCi/L	≤ 90	90	100	Quarterly	100
	Cesium-134	pCi/L	≤ 67.5	67.5	75	Quarterly	75
	Cesium-137	pCi/L	≤ 99	99	110	Quarterly	110
	Cobalt-60	pCi/L	≤ 180	180	200	Quarterly	200

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

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	AQL	SAMPLE TYPE	AWQS
9/14/2005 (cont.)	Bromodichloromethane	mg/L	< 0.002	Resd	Resd	Quarterly	NE
	Bromoform	mg/L	< 0.005	Resd	Resd	Quarterly	NE
	Chloroform	mg/L	< 0.002	Resd	Resd	Quarterly	NE
	Dibromochloromethane	mg/L	< 0.002	Resd	Resd	Quarterly	NE
	Temp. at time of pH Analysis (°C)	pH Units	16.3	Resd	Resd	Quarterly	NE
9/30/05	cis-1,2-Dichloroethene	mg/L	< 0.0005	Resd	Resd	Resample for Method 524.2	0.07
	Styrene	mg/L	< 0.0005	Resd	Resd	Resample for Method 524.2	0.1
	Trihalomethanes, Total	mg/L	0.0013	Resd	Resd	Resample for Method 524.2	0.1
11/30/05	pH	pH Units	8.1	Resd	Resd	Quarterly	NE
	Specific Conductance	umhos/cm	2300	Resd	Resd	Quarterly	NE
	Cation/Anion Balance	%	-3.6	Resd	Resd	Quarterly	NE
	Alkalinity as CaCO3	mg/L	200	Resd	Resd	Quarterly	NE
	Calcium, Dissolved	mg/L	18	Resd	Resd	Quarterly	NE
	Magnesium, Dissolved	mg/L	10	Resd	Resd	Quarterly	NE
	Sodium, Dissolved	mg/L	440	Resd	Resd	Quarterly	NE
	Antimony	mg/L	< 0.002	Resd	Resd	Quarterly	0.006
	Arsenic	mg/L	0.026	Resd	Resd	Quarterly	0.05
	Barium	mg/L	0.025	Resd	Resd	Quarterly	2.0
	Boron, Dissolved	mg/L	1.4	Resd	NE	Quarterly	NE
	Beryllium	mg/L	< 0.0005	Resd	Resd	Quarterly	0.004
	Cadmium	mg/L	< 0.001	Resd	Resd	Quarterly	0.005
	Chromium	mg/L	0.053	Resd	Resd	Quarterly	0.1
	Chloride	mg/L	510	Resd	NE	Quarterly	NE
	Fluoride	mg/L	7.4	Resd	Resd	Quarterly	4.0
	Lead	mg/L	< 0.001	Resd	Resd	Quarterly	0.05
	Mercury, Dissolved	mg/L	< 0.0002	Resd	Resd	Quarterly	0.002
	Nickel	mg/L	0.0028	Resd	Resd	Quarterly	0.1
	Nitrate-Nitrite (as N)	mg/L	3.06	Resd	Resd	Quarterly	10
	Potassium, Dissolved	mg/L	4.1	Resd	Resd	Quarterly	NE
	Selenium	mg/L	0.0038	Resd	NE	Quarterly	0.05
	Sulfate	mg/L	190	Resd	NE	Quarterly	NE
	Total Dissolved Solids	mg/L	1300	Resd	NE	Quarterly	NE
	Thallium	mg/L	< 0.001	Resd	Resd	Quarterly	0.002
	Benzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Benzo(a)pyrene	mg/L	< 0.00002	Resd	Resd	Quarterly	0.0002
	Carbon tetrachloride	mg/L	< 0.005	Resd	Resd	Quarterly	0.005
	1,2-Dichlorobenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.6
	1,4-Dichlorobenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.075
	1,2-Dichloroethane	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	1,1-Dichloroethene	mg/L	< 0.005	Resd	Resd	Quarterly	0.007
	cis-1,2-Dichloroethene	mg/L	< 0.002	Resd	Resd	Quarterly	0.07
	trans-1,2-Dichloroethene	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
	1,2-Dichloropropane	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Methylene chloride	mg/L	< 0.005	Resd	Resd	Quarterly	0.005
	Di(2-ethylhexyl)adipate	mg/L	< 0.0006	Resd	Resd	Quarterly	0.4
	Di(2-ethylhexyl)phthalate	mg/L	0.0083	Resd	Resd	Quarterly	0.006
	Ethylbenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.7
	Hexachlorobenzene	mg/L	< 0.0001	Resd	Resd	Quarterly	0.001
	Hexachlorocyclopentadiene	mg/L	< 0.0001	Resd	Resd	Quarterly	0.05
	Chlorobenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
	Pentachlorophenol	mg/L	< 0.00004	Resd	Resd	Quarterly	0.001
	Styrene	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
	2,3,7,8-TCDD	mg/L	< 0.000000005	Resd	Resd	Quarterly	0.00000003
	Tetrachloroethene	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Toluene	mg/L	< 0.002	Resd	Resd	Quarterly	1

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

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	AQL	SAMPLE TYPE	AWQS
	Total Trihalomethanes	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
11/30/2005 (cont.)	1,2,4-Trichlorobenzene	mg/L	< 0.005	Resd	Resd	Quarterly	0.07
	1,1,1-Trichloroethane	mg/L	< 0.002	Resd	Resd	Quarterly	0.2
	1,1,2-Trichloroethane	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Trichloroethene	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Vinyl chloride	mg/L	< 0.005	Resd	Resd	Quarterly	0.002
	Xylenes, Total	mg/L	< 0.01	Resd	Resd	Quarterly	10
	Tritium	pCi/L	≤ 3000	Resd	Resd	Quarterly	20,000
	Iodine-131	pCi/L	≤ 90	Resd	Resd	Quarterly	100
	Cesium-134	pCi/L	≤ 67.5	Resd	Resd	Quarterly	75
	Cesium-137	pCi/L	≤ 99	Resd	Resd	Quarterly	110
	Cobalt-60	pCi/L	≤ 180	Resd	Resd	Quarterly	200
	Temp. at time of pH Analysis (°C)	pH Units	18.6	Resd	Resd	Quarterly	NE

AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

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

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
8/25/05	Boron, Dissolved	mg/L	1	Resd	Discretionary	NE
	Chloride	mg/L	340	Resd	Discretionary	NE
	Fluoride	mg/L	5.8	Resd	Discretionary	4
	Potassium, Dissolved	mg/L	8.8	Resd	Discretionary	NE
	Tritium	pCi/L	≤ 3,000	3,000	Discretionary	20,000
	Cesium-137	pCi/L	≤ 50	50	Discretionary	110
	Cobalt-60	pCi/L	≤ 100	100	Discretionary	200
9/20/05	Boron, Dissolved	mg/L	1.1	Resd	Quarterly	NE
	Chloride	mg/L	380	Resd	Quarterly	NE
	Fluoride	mg/L	6.2	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	8.5	Resd	Quarterly	NE
	Tritium	pCi/L	≤ 3,000	3,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
12/6/05	Boron, Dissolved	mg/L	1	Resd	Quarterly	NE
	Chloride	mg/L	320	Resd	Quarterly	NE
	Fluoride	mg/L	5.1	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	8.5	Resd	Quarterly	NE
	Tritium	pCi/L	≤ 3,000	3,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200

°C = Degrees Celsius
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit
AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
NE = Not established
pCi/L = picoCuries per liter
Resd = Reserved
SU = standard units
umhos/cm = micromhos per centimeter

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

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
8/25/05	Boron, Dissolved	mg/L	0.68	Resd	Discretionary	NE
	Chloride	mg/L	200	Resd	Discretionary	NE
	Fluoride	mg/L	11	Resd	Discretionary	4
	Potassium, Dissolved	mg/L	2.6	Resd	Discretionary	NE
	Tritium	pCi/L	≤ 3,000	3,000	Discretionary	20,000
	Cesium-137	pCi/L	≤ 50	50	Discretionary	110
	Cobalt-60	pCi/L	≤ 100	100	Discretionary	200
9/20/05	Boron, Dissolved	mg/L	0.69	Resd	Quarterly	NE
	Chloride	mg/L	200	Resd	Quarterly	NE
	Fluoride	mg/L	12	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	2.6	Resd	Quarterly	NE
	Tritium	pCi/L	≤ 3,000	3,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
12/6/05	Boron, Dissolved	mg/L	0.69	Resd	Quarterly	NE
	Chloride	mg/L	190	Resd	Quarterly	NE
	Fluoride	mg/L	8.9	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	2.8	Resd	Quarterly	NE
	Tritium	pCi/L	≤ 3,000	3,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200

°C = Degrees Celsius
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit
AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
NE = Not established
pCi/L = picoCuries per liter
Resd = Reserved
SU = standard units
umhos/cm = micromhos per centimeter

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

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	AQL	SAMPLE TYPE	AWQS
9/21/05	pH	pH Units	**9.55**	<6, >9	NE	Quarterly	NE
	Specific Conductance	umhos/cm	1,400	NE	NE	Quarterly	NE
	Cation/Anion Balance	%	0.8	NE	NE	Quarterly	NE
	Alkalinity as CaCO3	mg/L	22	Resd	Resd	Quarterly	NE
	Calcium, Dissolved	mg/L	29	Resd	Resd	Quarterly	NE
	Magnesium, Dissolved	mg/L	< 0.5	Resd	Resd	Quarterly	NE
	Sodium	mg/L	280	Resd	Resd	Quarterly	NE
	Antimony, Dissolved	mg/L	< 0.05	Resd	Resd	Quarterly	0.006
	Arsenic, Dissolved	mg/L	< 0.05	Resd	Resd	Quarterly	0.05
	Barium, Dissolved	mg/L	< 0.01	Resd	Resd	Quarterly	2.0
	Boron, Dissolved	mg/L	1.4	Resd	NE	Quarterly	NE
	Beryllium, Dissolved	mg/L	< 0.004	Resd	Resd	Quarterly	0.004
	Cadmium, Dissolved	mg/L	< 0.005	Resd	Resd	Quarterly	0.005
	Chromium, Dissolved	mg/L	< 0.01	Resd	Resd	Quarterly	0.1
	Chloride	mg/L	330	Resd	NE	Quarterly	NE
	Fluoride	mg/L	11	Resd	Resd	Quarterly	4.0
	Lead	mg/L	< 0.001	Resd	Resd	Quarterly	0.05
	Mercury, Dissolved	mg/L	< 0.0002	Resd	Resd	Quarterly	0.002
	Nickel, Dissolved	mg/L	< 0.05	Resd	Resd	Quarterly	0.1
	Nitrate-Nitrite (as N)	mg/L	0.05	Resd	Resd	Quarterly	10
	Potassium, Dissolved	mg/L	1.5	Resd	Resd	Quarterly	NE
	Selenium	mg/L	0.0024	Resd	NE	Quarterly	0.05
	Sulfate	mg/L	150	Resd	NE	Quarterly	NE
	Total Dissolved Solids	mg/L	820	Resd	NE	Quarterly	NE
	Thallium	mg/L	< 0.001	Resd	Resd	Quarterly	0.002
	Benzene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.005
	Benzo(a)pyrene	mg/L	< 0.00002	Resd	Resd	Quarterly	0.0002
	Carbon tetrachloride	mg/L	< 0.0005	Resd	Resd	Quarterly	0.005
	1,2-Dichlorobenzene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.6
	1,4-Dichlorobenzene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.075
	1,2-Dichloroethane	mg/L	< 0.0005	Resd	Resd	Quarterly	0.005
	1,1-Dichloroethene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.007
	cis-1,2-Dichloroethene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.07
	trans-1,2-Dichloroethene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.1
	1,2-Dichloropropane	mg/L	< 0.0005	Resd	Resd	Quarterly	0.005
	Methylene chloride	mg/L	< 0.0005	Resd	Resd	Quarterly	0.005
	Di(2-ethylhexyl)adipate	mg/L	< 0.0006	Resd	Resd	Quarterly	0.4
	Di(2-ethylhexyl)phthalate	mg/L	0.02	Resd	Resd	Quarterly	0.006
	Ethylbenzene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.7
	Hexachlorobenzene	mg/L	< 0.0001	Resd	Resd	Quarterly	0.001
	Hexachlorocyclopentadiene	mg/L	< 0.0001	Resd	Resd	Quarterly	0.05
	Chlorobenzene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.1
	Styrene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.1
	2,3,7,8-TCDD	mg/L	< 5E-09	Resd	Resd	Quarterly	0.00000003
	Tetrachloroethene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.005
	Toluene	mg/L	0.001	Resd	Resd	Quarterly	1
	Trihalomethanes, Total	mg/L	0.0023	Resd	Resd	Quarterly	0.1
	1,2,4-Trichlorobenzene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.07
	1,1,1-Trichloroethane	mg/L	< 0.0005	Resd	Resd	Quarterly	0.2
	1,1,2-Trichloroethane	mg/L	< 0.0005	Resd	Resd	Quarterly	0.005
	Trichloroethene	mg/L	< 0.0005	Resd	Resd	Quarterly	0.005
	Vinyl chloride	mg/L	< 0.0005	Resd	Resd	Quarterly	0.002
	Xylenes, Total	mg/L	< 0.0015	Resd	Resd	Quarterly	10
	Tritium	pCi/L	≤ 3,000	3,000	20,000	Quarterly	20,000
	Iodine-131	pCi/L	≤ 90	90	100	Quarterly	100
	Cesium-134	pCi/L	≤ 67.5	67.5	75	Quarterly	75
	Cesium-137	pCi/L	≤ 99	99	110	Quarterly	110
	Cobalt-60	pCi/L	≤ 180	180	200	Quarterly	200

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

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	AQL	SAMPLE TYPE	AWQS
9/21/2005 (cont.)	Bromodichloromethane	mg/L	< 0.0005	Resd	Resd	Quarterly	NE
	Bromoform	mg/L	0.0011	Resd	Resd	Quarterly	NE
	Chloroform	mg/L	< 0.0005	Resd	Resd	Quarterly	NE
	Dibromochloromethane	mg/L	0.0012	Resd	Resd	Quarterly	NE
	m,p-Xylenes	mg/L	< 0.0005	Resd	Resd	Quarterly	10 (total)
	o-Xylene	mg/L	< 0.0005	Resd	Resd	Quarterly	10 (total)
	Temp. at time of pH Analysis	°C	17.7	Resd	Resd	Quarterly	NE
9/30/05	Pentachlorophenol	mg/L	< 0.00004	Resd	Resd	EPA 515	0.001
12/8/05	pH	pH Units	**9.33**	<6, >9	NE	Quarterly	NE
	Specific Conductance	umhos/cm	1,500	NE	NE	Quarterly	NE
	Cation/Anion Balance	%	-2.6	NE	NE	Quarterly	
	Alkalinity as CaCO3	mg/L	21	Resd	Resd	Quarterly	
	Calcium, Dissolved	mg/L	30	Resd	Resd	Quarterly	
	Magnesium, Dissolved	mg/L	< 0.5	Resd	Resd	Quarterly	
	Sodium	mg/L	270	Resd	Resd	Quarterly	
	Antimony	mg/L	< 0.002	Resd	Resd	Quarterly	0.006
	Arsenic	mg/L	0.017	Resd	Resd	Quarterly	0.05
	Barium	mg/L	0.0018	Resd	Resd	Quarterly	2.0
	Boron, Dissolved	mg/L	1.4	Resd	NE	Quarterly	NE
	Beryllium	mg/L	< 0.0005	Resd	Resd	Quarterly	0.004
	Cadmium	mg/L	< 0.001	Resd	Resd	Quarterly	0.005
	Chromium	mg/L	0.0054	Resd	Resd	Quarterly	0.1
	Chloride	mg/L	350	Resd	NE	Quarterly	NE
	Fluoride	mg/L	11	Resd	Resd	Quarterly	4.0
	Lead	mg/L	< 0.001	Resd	Resd	Quarterly	0.05
	Mercury, Dissolved	mg/L	< 0.0002	Resd	Resd	Quarterly	0.002
	Nickel	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
	Nitrate-Nitrite (as N)	mg/L	0.01	Resd	Resd	Quarterly	10
	Potassium, Dissolved	mg/L	1.5	Resd	NE	Quarterly	NE
	Selenium	mg/L	< 0.002	Resd	Resd	Quarterly	0.05
	Sulfate	mg/L	150	Resd	NE	Quarterly	NE
	Total Dissolved Solids	mg/L	800	Resd	NE	Quarterly	NE
	Thallium	mg/L	< 0.001	Resd	Resd	Quarterly	0.002
	Benzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Benzo(a)pyrene	mg/L	< 0.00002	Resd	Resd	Quarterly	0.0002
	Carbon tetrachloride	mg/L	< 0.005	Resd	Resd	Quarterly	0.005
	1,2-Dichlorobenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.6
	1,4-Dichlorobenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.075
	1,2-Dichloroethane	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	1,1-Dichloroethene	mg/L	< 0.005	Resd	Resd	Quarterly	0.007
	cis-1,2-Dichloroethene	mg/L	< 0.002	Resd	Resd	Quarterly	0.07
	trans-1,2-Dichloroethene	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
	1,2-Dichloropropane	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Methylene chloride	mg/L	< 0.005	Resd	Resd	Quarterly	0.005
	Di(2-ethylhexyl)adipate	mg/L	< 0.0006	Resd	Resd	Quarterly	0.4
	Di(2-ethylhexyl)phthalate	mg/L	0.0081	Resd	Resd	Quarterly	0.006
	Ethylbenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.7
	Hexachlorobenzene	mg/L	< 0.0001	Resd	Resd	Quarterly	0.001
	Hexachlorocyclopentadiene	mg/L	< 0.0001	Resd	Resd	Quarterly	0.05
	Chlorobenzene	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
	Pentachlorophenol	mg/L	< 0.00004	Resd	Resd	Quarterly	0.001
	Styrene	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
	2,3,7,8-TCDD	mg/L	< 5E-09	Resd	Resd	Quarterly	0.00000003
	Tetrachloroethene	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Toluene	mg/L	< 0.002	Resd	Resd	Quarterly	1
	Total Trihalomethanes	mg/L	< 0.002	Resd	Resd	Quarterly	0.1
	1,2,4-Trichlorobenzene	mg/L	< 0.005	Resd	Resd	Quarterly	0.07
	1,1,1-Trichloroethane	mg/L	< 0.002	Resd	Resd	Quarterly	0.2

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

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	AQL	SAMPLE TYPE	AWQS
	1,1,2-Trichloroethane	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
12/8/2005 (cont.)	Trichloroethene	mg/L	< 0.002	Resd	Resd	Quarterly	0.005
	Vinyl chloride	mg/L	< 0.005	Resd	Resd	Quarterly	0.002
	Xylenes, Total	mg/L	< 0.01	Resd	Resd	Quarterly	10
	Tritium	pCi/L	≤ 3,000	3,000	20,000	Quarterly	20,000
	Iodine-131	pCi/L	≤ 90	90	100	Quarterly	100
	Cesium-134	pCi/L	≤ 67.5	67.5	75	Quarterly	75
	Cesium-137	pCi/L	≤ 99	99	110	Quarterly	110
	Cobalt-60	pCi/L	≤ 180	180	200	Quarterly	200
	Temp. at time of pH Analysis	°C	21	Resd	Resd	Quarterly	NE

°C = Degrees Celsius
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit
AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
NE = Not established
Resd = Reserved
pCi/L = picoCuries per liter
SU = standard units
umhos/cm = micromhos per centimeter

TABLE 1A-6. WATER QUALITY DATA FOR WELL PV-14H

Sample Date	Parameter	Units	Results	AL	CAL	Sample Type	AWQS
2/23/05	Boron, Dissolved	mg/L	6.7	8.1	9.9	Quarterly	NE
	Chloride	mg/L	**2,100**	2,065	3,547	Quarterly	NE
	Fluoride	mg/L	8	11.7	13	Quarterly	4
	Potassium, Dissolved	mg/L	1.4	2.5	3.8	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	3,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	110	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	200	Quarterly	200
3/25/05	Boron, Dissolved	mg/L	7	8.1	9.9	Verification sample for Chloride	NE
	Chloride	mg/L	**2,100**	2,065	3,547	Verification sample for Chloride by EPA 300.0	NE
	Chloride	mg/L	**2,100**	2,065	3,547	Verification sample for Chloride by EPA 325.2	NE
	Fluoride	mg/L	7.6	11.7	13	Verification sample for Chloride	4
	Potassium, Dissolved	mg/L	1.5	2.5	3.8	Verification sample for Chloride	NE
	Tritium	pCi/L	≤ 1,000	1,000	3,000	Verification sample for Chloride	20,000
	Cesium-137	pCi/L	≤ 50	50	110	Verification sample for Chloride	110
	Cobalt-60	pCi/L	≤ 100	100	200	Verification sample for Chloride	200
4/29/05	Boron, Dissolved	mg/L	6.5	8.1	9.9	Monthly Contingency	NE
	Chloride	mg/L	2,100	2,065	3,547	Monthly Contingency	NE
	Fluoride	mg/L	10	11.7	13	Monthly Contingency	4
	Potassium, Dissolved	mg/L	1.1	2.5	3.8	Monthly Contingency	NE
	Tritium	pCi/L	≤ 1,000	1,000	3,000	Monthly Contingency	20,000
	Cesium-137	pCi/L	≤ 50	50	110	Monthly Contingency	110
	Cobalt-60	pCi/L	≤ 100	100	200	Monthly Contingency	200
5/26/05	Boron, Dissolved	mg/L	6.7	8.1	9.9	Monthly Contingency	NE
	Chloride	mg/L	2,100	2,065	3,547	Monthly Contingency	NE
	Fluoride	mg/L	8	11.7	13	Monthly Contingency	4
	Potassium, Dissolved	mg/L	1.6	2.5	3.8	Monthly Contingency	NE
	Tritium	pCi/L	≤ 1,000	1,000	3,000	Monthly Contingency	20,000
	Cesium-137	pCi/L	≤ 50	50	110	Monthly Contingency	110
	Cobalt-60	pCi/L	≤ 100	100	200	Monthly Contingency	200
6/21/05	pH	pH Units	7.7		<6, >9	Qtrly & 2nd Level Contingency	NE
	Specific Conductance	umhos/cm	10,000		NE	Qtrly & 2nd Level Contingency	NE
	Alkalinity as CaCO3	mg/L	450			Qtrly & 2nd Level Contingency	NE
	Calcium, Dissolved	mg/L	65			Qtrly & 2nd Level Contingency	NE
	Magnesium, Dissolved	mg/L	33			Qtrly & 2nd Level Contingency	NE
	Sodium	mg/L	2,300			Qtrly & 2nd Level Contingency	NE
	Antimony, Dissolved	mg/L	< **0.05**		0.006	Qtrly & 2nd Level Contingency	0.006
	Arsenic, Dissolved	mg/L	0.05		0.11	Qtrly & 2nd Level Contingency	0.05
	Barium, Dissolved	mg/L	0.015		2	Qtrly & 2nd Level Contingency	2
	Tritium	pCi/L	≤ 3,000	1,000	3,000	Qtrly & 2nd Level Contingency	20,000
	Boron, Dissolved	mg/L	7	8.1	9.9	Qtrly & 2nd Level Contingency	NE
	Beryllium, Dissolved	mg/L	< 0.004		0.004	Qtrly & 2nd Level Contingency	0.004
	Cadmium, Dissolved	mg/L	< 0.005		0.044	Qtrly & 2nd Level Contingency	0.005
	Chromium, Dissolved	mg/L	< 0.01		0.1	Qtrly & 2nd Level Contingency	0.1
	Chloride	mg/L	2,000	2,065	3,547	Qtrly & 2nd Level Contingency	NE
	Fluoride	mg/L	8.9	11.7	13	Qtrly & 2nd Level Contingency	4
	Lead	mg/L	< 0.001		0.05	Qtrly & 2nd Level Contingency	0.05
	Mercury, Dissolved	mg/L	< 0.0002		0.005	Qtrly & 2nd Level Contingency	0.002
	Nickel, Dissolved	mg/L	< 0.05		0.1	Qtrly & 2nd Level Contingency	0.1
	Nitrate-Nitrite (as N)	mg/L	57.1		190	Qtrly & 2nd Level Contingency	10

TABLE 1A-6. WATER QUALITY DATA FOR WELL PV-14H

Sample Date	Parameter	Units	Results	AL	CAL	Sample Type	AWQS
6/21/2005 (cont.)	Potassium	mg/L	2	2.5	3.8	Qtrly & 2nd Level Contingency	NE
	Selenium	mg/L	0.058		0.062	Qtrly & 2nd Level Contingency	0.05
	Sulfate	mg/L	1,500		2,702	Qtrly & 2nd Level Contingency	NE
	Total Dissolved Solids	mg/L	6,700		10,627	Qtrly & 2nd Level Contingency	NE
	Thallium	mg/L	< 0.001		0.002	Qtrly & 2nd Level Contingency	0.002
	Iodine-131	pCi/L	≤ 100		100	Qtrly & 2nd Level Contingency	100
	Cesium-134	pCi/L	≤ 75		75	Qtrly & 2nd Level Contingency	75
	Cesium-137	pCi/L	≤ 110	50	110	Qtrly & 2nd Level Contingency	110
	Cobalt-60	pCi/L	≤ 200	100	200	Qtrly & 2nd Level Contingency	200
	Bromodichloromethane	mg/L	< 0.001			Qtrly & 2nd Level Contingency	NE
	Bromoform	mg/L	< 0.001			Qtrly & 2nd Level Contingency	NE
	Chloroform	mg/L	< 0.001			Qtrly & 2nd Level Contingency	NE
	Dibromochloromethane	mg/L	< 0.001			Qtrly & 2nd Level Contingency	NE
	Temp. at time of pH Analysis	°C	21.2			Qtrly & 2nd Level Contingency	NE
9/22/05	pH	pH Units	7.9		<6, >9	Qtrly & 2nd Level Contingency	NE
	Specific Conductance	umhos/cm	10,000			Qtrly & 2nd Level Contingency	NE
	Cation/Anion Balance	%	1.1			Qtrly & 2nd Level Contingency	NE
	Alkalinity as CaCO3	mg/L	450			Qtrly & 2nd Level Contingency	NE
	Calcium, Dissolved	mg/L	63			Qtrly & 2nd Level Contingency	NE
	Magnesium, Dissolved	mg/L	31			Qtrly & 2nd Level Contingency	NE
	Sodium	mg/L	2,400			Qtrly & 2nd Level Contingency	NE
	Antimony	mg/L	< 0.002		0.006	Qtrly & 2nd Level Contingency	0.006
	Antimony, Dissolved	mg/L	< **0.05**		0.006	Qtrly & 2nd Level Contingency	0.006
	Arsenic, Dissolved	mg/L	0.051		0.145	Qtrly & 2nd Level Contingency	0.05
	Barium, Dissolved	mg/L	0.014		0.219	Qtrly & 2nd Level Contingency	2
	Boron, Dissolved	mg/L	6.5	7.99	9.11	Qtrly & 2nd Level Contingency	NE
	Beryllium, Dissolved	mg/L	< 0.004		0.004	Qtrly & 2nd Level Contingency	0.004
	Cadmium, Dissolved	mg/L	< 0.005		0.053	Qtrly & 2nd Level Contingency	0.005
	Chromium, Dissolved	mg/L	< 0.01		0.058	Qtrly & 2nd Level Contingency	0.1
	Chloride	mg/L	2,100	2,064	2,256	Qtrly & 2nd Level Contingency	NE
	Fluoride	mg/L	7.8	11.7	12.7	Qtrly & 2nd Level Contingency	4
	Lead	mg/L	< 0.001		0.01	Qtrly & 2nd Level Contingency	0.05
	Mercury, Dissolved	mg/L	< 0.0002		0.0049	Qtrly & 2nd Level Contingency	0.002
	Nickel, Dissolved	mg/L	< 0.05		0.1	Qtrly & 2nd Level Contingency	0.1
	Nitrate-Nitrite (as N)	mg/L	57.9		65.3	Qtrly & 2nd Level Contingency	10
	Potassium	mg/L	3.1	2.48	3	Qtrly & 2nd Level Contingency	NE
	Potassium, Dissolved	mg/L	1.5	2.48	3	Qtrly & 2nd Level Contingency	NE
	Selenium	mg/L	0.055		0.076	Qtrly & 2nd Level Contingency	0.05
	Sulfate	mg/L	1,800		2868	Qtrly & 2nd Level Contingency	NE
	Total Dissolved Solids	mg/L	6,900		7005	Qtrly & 2nd Level Contingency	NE
	Thallium	mg/L	< 0.001		0.002	Qtrly & 2nd Level Contingency	0.002
	Total Trihalomethanes	mg/L	< 0.002		0.1	Qtrly & 2nd Level Contingency	0.1
	Tritium	pCi/L	≤ 3,000	1,000	3,000	Qtrly & 2nd Level Contingency	20,000
	Iodine-131	pCi/L	≤ 100		100	Qtrly & 2nd Level Contingency	100
	Cesium-134	pCi/L	≤ 75		75	Qtrly & 2nd Level Contingency	75
	Cesium-137	pCi/L	≤ 110	50	110	Qtrly & 2nd Level Contingency	110
	Cobalt-60	pCi/L	≤ 200	100	200	Qtrly & 2nd Level Contingency	200
	Bromodichloromethane	mg/L	< 0.002			Qtrly & 2nd Level Contingency	NE
	Bromoform	mg/L	< 0.002			Qtrly & 2nd Level Contingency	NE
	Chloroform	mg/L	< 0.002			Qtrly & 2nd Level Contingency	NE

TABLE 1A-6. WATER QUALITY DATA FOR WELL PV-14H

Sample Date	Parameter	Units	Results	AL	CAL	Sample Type	AWQS
9/22/2005 (cont.)	Dibromochloromethane	mg/L	< 0.002			Qtrly & 2nd Level Contingency	NE
	Temp. at time of pH Analysis	°C	17.9			Qtrly & 2nd Level Contingency	NE
12/21/05	pH	pH Units	7.87		<6, >9	Qtrly & 2nd Level Contingency	NE
	Specific Conductance	umhos/cm	10,000			Qtrly & 2nd Level Contingency	NE
	Cation/Anion Balance	%	2.5			Qtrly & 2nd Level Contingency	NE
	Alkalinity as CaCO3	mg/L	450			Qtrly & 2nd Level Contingency	NE
	Calcium, Dissolved	mg/L	64			Qtrly & 2nd Level Contingency	NE
	Magnesium, Dissolved	mg/L	31			Qtrly & 2nd Level Contingency	NE
	Sodium	mg/L	2,500			Qtrly & 2nd Level Contingency	NE
	Antimony	mg/L	< 0.002		0.006	Qtrly & 2nd Level Contingency	0.006
	Arsenic	mg/L	0.045		0.145	Qtrly & 2nd Level Contingency	0.05
	Barium	mg/L	0.015		0.219	Qtrly & 2nd Level Contingency	2
	Boron, Dissolved	mg/L	7.1	7.99	9.11	Qtrly & 2nd Level Contingency	NE
	Beryllium	mg/L	< 0.0005		0.004	Qtrly & 2nd Level Contingency	0.004
	Cadmium	mg/L	< 0.001		0.053	Qtrly & 2nd Level Contingency	0.005
	Chromium	mg/L	0.0077		0.058	Qtrly & 2nd Level Contingency	0.1
	Chloride	mg/L	2,100	2,064	2,256	Qtrly & 2nd Level Contingency	NE
	Fluoride	mg/L	8	11.7	12.7	Qtrly & 2nd Level Contingency	4
	Lead	mg/L	< 0.01		0.01	Qtrly & 2nd Level Contingency	0.05
	Mercury, Dissolved	mg/L	< 0.0002		0.0049	Qtrly & 2nd Level Contingency	0.002
	Nickel	mg/L	0.006		0.1	Qtrly & 2nd Level Contingency	0.1
	Nitrate-Nitrite (as N)	mg/L	51.2		65.3	Qtrly & 2nd Level Contingency	10
	Potassium	mg/L	1.7	2.48	3	Qtrly & 2nd Level Contingency	NE
	Selenium	mg/L	0.058		0.076	Qtrly & 2nd Level Contingency	0.05
	Sulfate	mg/L	1,800		2,868	Qtrly & 2nd Level Contingency	NE
	Total Dissolved Solids	mg/L	**7,100**		7,005	Qtrly & 2nd Level Contingency	NE
	Thallium	mg/L	**< 0.01**		0.002	Qtrly & 2nd Level Contingency	0.002
	Total Trihalomethanes	mg/L	< 0.002		0.1	Qtrly & 2nd Level Contingency	0.1
	Tritium	pCi/L	≤ 3,000	1,000	3,000	Qtrly & 2nd Level Contingency	20,000
	Iodine-131	pCi/L	≤ 100		100	Qtrly & 2nd Level Contingency	100
	Cesium-134	pCi/L	≤ 75		75.0	Qtrly & 2nd Level Contingency	75.0
	Cesium-137	pCi/L	≤ 110	50	110	Qtrly & 2nd Level Contingency	110
	Cobalt-60	pCi/L	≤ 200	100	200	Qtrly & 2nd Level Contingency	200
	Bromodichloromethane	mg/L	< 0.002			Qtrly & 2nd Level Contingency	NE
	Bromoform	mg/L	< 0.002			Qtrly & 2nd Level Contingency	NE
	Chloroform	mg/L	< 0.002			Qtrly & 2nd Level Contingency	NE
	Dibromochloromethane	mg/L	< 0.002			Qtrly & 2nd Level Contingency	NE
	Temp. at time of pH Analysis	°C	20.9			Qtrly & 2nd Level Contingency	NE
1/17/06	Total Dissolved Solids	mg/L	7,000		7,005	resample for TDS	NE

°C = Degrees Celsius
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit
AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
NE = Not established
pCi/L = picoCuries per liter
SU = standard units
umhos/cm = micromhos per centimeter

TABLE 1A-7. WATER QUALITY DATA FOR WELL PV-14HB

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
3/25/05	Boron, Dissolved	mg/L	7.4	Resd	Verification for chloride	NE
	Chloride	mg/L	2,000	Resd	Verification for chloride	NE
	Fluoride	mg/L	7.5	Resd	Verification for chloride	4
	Potassium, Dissolved	mg/L	1.7	Resd	Verification for chloride	NE
	Tritium	pCi/L	≤ 3,000	3,000	Verification for chloride	20,000
	Iodine-131	pCi/L	≤ 100	100	Verification for chloride	100
	Cesium-137	pCi/L	≤ 50	50	Verification for chloride	110
	Cobalt-60	pCi/L	≤ 100	100	Verification for chloride	200
4/29/05	Boron, Dissolved	mg/L	6.8	Resd	Monthly Contingency	NE
	Chloride	mg/L	2,100	Resd	Monthly Contingency	NE
	Fluoride	mg/L	10	Resd	Monthly Contingency	4
	Potassium, Dissolved	mg/L	1.2	Resd	Monthly Contingency	NE
	Tritium	pCi/L	≤ 3,000	3,000	Monthly Contingency	20,000
	Iodine-131	pCi/L	≤ 100	100	Monthly Contingency	100
	Cesium-137	pCi/L	≤ 50	50	Monthly Contingency	110
	Cobalt-60	pCi/L	≤ 100	100	Monthly Contingency	200
5/26/05	Boron, Dissolved	mg/L	7.1	Resd	Monthly Contingency	NE
	Chloride	mg/L	2,100	Resd	Monthly Contingency	NE
	Fluoride	mg/L	8.2	Resd	Monthly Contingency	4
	Potassium, Dissolved	mg/L	1.7	Resd	Monthly Contingency	NE
	Tritium	pCi/L	≤ 3,000	3,000	Monthly Contingency	20,000
	Iodine-131	pCi/L	≤ 100	100	Monthly Contingency	100
	Cesium-137	pCi/L	≤ 50	50	Monthly Contingency	110
	Cobalt-60	pCi/L	≤ 100	100	Monthly Contingency	200

AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

TABLE 1A-8. WATER QUALITY DATA FOR WELL PV-193A

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
2/10/05	Boron, Dissolved	pCi/L	6.5	6.8	Quarterly	NE
	Chloride	pCi/L	5,700	6,720	Quarterly	NE
	Fluoride	pCi/L	2.7	3.6	Quarterly	4
	Potassium	mg/l	4.2	6.6	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	mg/L	≤ 50	50	Quarterly	110
	Cobalt-60	mg/L	≤ 100	100	Quarterly	200
6/9/05	Boron, Dissolved	mg/L	6.3	6.8	Quarterly	NE
	Chloride	pCi/L	6,000	6,720	Quarterly	NE
	Fluoride	mg/L	2.4	3.6	Quarterly	4
	Potassium, Dissolved	mg/L	3.8	6.6	Quarterly	NE
	Tritium	mg/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
8/17/05	Boron, Dissolved	mg/L	5.9	6.28	Discretionary	NE
	Chloride	pCi/L	6,000	7,220	Discretionary	NE
	Fluoride	pCi/L	2.4	3.99	Discretionary	4
	Potassium, Dissolved	mg/L	3.7	7.13	Discretionary	NE
	Tritium	mg/L	≤ 1,000	1,000	Discretionary	20,000
	Cesium-137	mg/L	≤ 50	50	Discretionary	110
	Cobalt-60	mg/L	≤ 100	100	Discretionary	200
9/14/05	Boron, Dissolved	mg/L	5.8	6.28	Quarterly	NE
	Chloride	mg/L	6,000	7,220	Quarterly	NE
	Fluoride	mg/L	3	3.99	Quarterly	4
	Potassium, Dissolved	pCi/L	3.8	7.13	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
12/1/05	Boron, Dissolved	pCi/L	5.8	6.28	Quarterly	NE
	Chloride	mg/L	6,000	7,220	Quarterly	NE
	Fluoride	mg/L	2.5	3.99	Quarterly	4
	Potassium, Dissolved	pCi/L	3.8	7.13	Quarterly	NE
	Tritium	mg/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200

AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

TABLE 1A-9. WATER QUALITY DATA FOR WELL PV-195A

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
3/2/05	Boron, Dissolved	mg/L	24	25.5	Quarterly	NE
	Chloride	mg/L	8,500	11,559	Quarterly	NE
	Fluoride	mg/L	4.7	4.8	Quarterly	4
	Potassium, Dissolved	mg/L	3.3	13.8	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
6/21/05	Boron, Dissolved	mg/L	24	25.5	Quarterly	NE
	Chloride	mg/L	7,500	11,559	Quarterly	NE
	Fluoride	mg/L	4.2	4.8	Quarterly	4
	Potassium, Dissolved	mg/L	4	13.8	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
9/22/05	Boron, Dissolved	mg/L	23	25.48	Quarterly	NE
	Chloride	mg/L	9,300	11,560	Quarterly	NE
	Fluoride	mg/L	4.2	4.7	Quarterly	4
	Potassium, Dissolved	mg/L	4.1	7.3	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
12/21/05	Boron, Dissolved	mg/L	24	25.48	Quarterly	NE
	Chloride	mg/L	8,600	11,560	Quarterly	NE
	Fluoride	mg/L	4	4.7	Quarterly	4
	Potassium, Dissolved	mg/L	5.5	7.3	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200

AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

TABLE 1A-10. WATER QUALITY DATA FOR WELL PV-198AR

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
8/11/05	Boron, Dissolved	mg/L	3.9	7.1	Discretionary	NE
	Chloride	mg/L	2,000	4,154	Discretionary	NE
	Fluoride	mg/L	5.4	6.3	Discretionary	4
	Potassium, Dissolved	mg/L	**2.3**	2	Discretionary	NE
	Tritium	pCi/L	≤ 1,000	1,000	Discretionary	20,000
	Cesium-137	pCi/L	≤ 50	50	Discretionary	110
	Cobalt-60	pCi/L	≤ 100	100	Discretionary	200
9/13/05	Boron, Dissolved	mg/L	3.6	7.1	Quarterly and K IAL Verification	NE
	Chloride	mg/L	2,100	4,154	Quarterly and K IAL Verification	NE
	Fluoride	mg/L	5.7	6.3	Quarterly and K IAL Verification	4
	Potassium, Dissolved	mg/L	2	2	Quarterly and K IAL Verification	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly and K IAL Verification	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly and K IAL Verification	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly and K IAL Verification	200
10/13/05	Boron, Dissolved	mg/L	3.7	7.1	Quarterly	NE
	Chloride	mg/L	2,000	4,154	Quarterly	NE
	Fluoride	mg/L	5.2	6.3	Quarterly	4
	Potassium, Dissolved	mg/L	2	2	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200

AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

TABLE 1A-11. WATER QUALITY DATA FOR WELL PV-198B

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
9/15/05	Boron, Dissolved	mg/L	3.5	Resd	Discretionary	NE
	Chloride	mg/L	2,400	Resd	Discretionary	NE
	Fluoride	mg/L	5.1	Resd	Discretionary	4
	Potassium, Dissolved	mg/L	1.9	Resd	Discretionary	NE
	Tritium	pCi/L	≤ 3,000	3,000	Discretionary	20,000
	Iodine-131	pCi/L	≤ 100	100	Discretionary	100
	Cesium-137	pCi/L	≤ 50	50	Discretionary	110
	Cobalt-60	pCi/L	≤ 100	100	Discretionary	200
10/11/05	Boron, Dissolved	mg/L	3.7	4.02	Quarterly and Contingency	NE
	Chloride	mg/L	2,000	2,000	Quarterly and Contingency	NE
	Fluoride	mg/L	6.5	10.8	Quarterly and Contingency	4
	Potassium, Dissolved	mg/L	1.9	2.63	Quarterly and Contingency	NE
	Tritium	pCi/L	≤ 3,000	3,000	Quarterly and Contingency	20,000
	Iodine-131	pCi/L	≤ 100	100	Quarterly and Contingency	100
	Cesium-137	pCi/L	≤ 50	50	Quarterly and Contingency	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly and Contingency	200

AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

TABLE 1A-12. WATER QUALITY DATA FOR WELL PV-206A

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	CAL	SAMPLE TYPE	AWQS
2/9/05	Antimony, Dissolved	mg/L	< **0.05**		0.006	Quarterly & 2nd Level Contingency	0.006
	Chloride	mg/L	6,800	6,500	7,006	Quarterly & 2nd Level Contingency	NE
	Potassium	mg/L	11	9.7	13	Quarterly & 2nd Level Contingency	NE
	Benzo(a)pyrene	mg/L	< **0.02**		0.0002	Quarterly & 2nd Level Contingency	0.0002
	Bis(2-ethylhexyl)phthalate	mg/L	< **0.05**		0.006	Quarterly & 2nd Level Contingency	0.006
	Hexachlorobenzene	mg/L	< **0.01**		0.001	Quarterly & 2nd Level Contingency	0.001
	Pentachlorophenol	mg/L	< **0.02**		0.001	Quarterly & 2nd Level Contingency	0.001
6/1/05	Antimony, Dissolved	mg/L	< **0.05**		0.006	Quarterly & 2nd Level Contingency	0.006
	Chloride	mg/L	**7,200**	6,500	7,006	Quarterly & 2nd Level Contingency	NE
	Chloride	mg/L	6,900	6,500	7,006	Reanalysis	NE
	Potassium	mg/L	12	9.7	13	Quarterly & 2nd Level Contingency	NE
	Selenium	mg/L	**0.067**		0.05	Quarterly & 2nd Level Contingency	0.05
	Selenium	mg/L	**0.087**		0.05	Quarterly & 2nd Level Contingency	0.05
	Benzo(a)pyrene	mg/L	< **0.02**		0.0002	Quarterly & 2nd Level Contingency	0.0002
	Bis(2-ethylhexyl)phthalate	mg/L	< **0.05**		0.006	Quarterly & 2nd Level Contingency	0.006
	Hexachlorobenzene	mg/L	< **0.01**		0.001	Quarterly & 2nd Level Contingency	0.001
	Pentachlorophenol	mg/L	< **0.02**		0.001	Quarterly & 2nd Level Contingency	0.001
6/29/05	Selenium	mg/L	**0.074**		0.035	Verification sample for Selenium	0.05
	Selenium	mg/L	**0.062**		0.035	Verification sample for Selenium	0.05
	Selenium	mg/L	**0.057**		0.035	Verification sample for Selenium	0.05
7/28/05	Antimony, Dissolved	mg/L	< **0.05**		0.006	Discretionary WQ	0.006
	Arsenic, Dissolved	mg/L	< **0.05**		0.049	Discretionary WQ	0.05
	Chloride	mg/L	7,200	7,006	7,809	Discretionary WQ	NE
	Chloride	mg/l	7,100	7,006	7,809	Duplicate DiscretionaryWQ	NE
	Potassium	mg/L	**15**	9.67	10.69	Discretionary WQ	NE
	Potassium	mg/l	**14**	9.67	10.69	Duplicate DiscretionaryWQ	NE
	Potassium, Dissolved	mg/L	10	9.67	10.69	Discretionary WQ	NE
	Selenium	mg/L	**0.082**		0.035	Discretionary WQ	0.05
	Selenium	mg/l	**0.08**		0.035	Duplicate DiscretionaryWQ	0.05
	Bis(2-ethylhexyl)phthalate	mg/L	< **0.05**		0.006	Discretionary WQ	0.006
9/13/05	Antimony, Dissolved	mg/L	< **0.05**		0.006	Quarterly & 2nd Level Contingency	0.006
	Arsenic, Dissolved	mg/L	< **0.05**		0.049	Quarterly & 2nd Level Contingency	0.05
	Chloride	mg/L	7,200	7,006	7,809	Quarterly & 2nd Level Contingency	NE
	Potassium, Dissolved	mg/L	9.8	9.67	10.69	Quarterly & 2nd Level Contingency	NE
	Selenium	mg/L	**0.083**		0.035	Quarterly & 2nd Level Contingency	0.05
	Bis(2-ethylhexyl)phthalate	mg/L	< **0.05**		0.006	Quarterly & 2nd Level Contingency	0.006
10/12/05	Antimony, Dissolved	mg/L	< **0.05**		0.006	Quarterly & 2nd Level Contingency	0.006
	Arsenic, Dissolved	mg/L	< **0.05**		0.049	Quarterly & 2nd Level Contingency	0.05
	Potassium, Dissolved	mg/L	10	9.67	10.69	Quarterly & 2nd Level Contingency	NE
	Selenium	mg/L	**0.058**		0.035	Quarterly & 2nd Level Contingency	0.05
	Thallium	mg/L	< **0.003**		0.002	Quarterly & 2nd Level Contingency	0.002
	Bis(2-ethylhexyl)phthalate	mg/L	< **0.05**		0.006	Quarterly & 2nd Level Contingency	0.006

AL = Alert Level
AWQS = Aquifer water quality standard
CAL = Contingency Alert Level
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

TABLE 1A-13. WATER QUALITY DATA FOR WELL PV-206B

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
7/28/05	Boron, Dissolved	mg/L	**7.5**	3.68	Discretionary	NE
	Chloride	mg/L	7,500	9,608	Discretionary	NE
	Fluoride	mg/L	2.1	4.1	Discretionary	4
	Potassium	mg/L	18	18.27	Discretionary	NE
	Tritium	pCi/L	≤ 3,000	3,000	Discretionary	20,000
	Iodine-131	pCi/L	≤ 100	100	Discretionary	100
	Cesium-137	pCi/L	≤ 50	50	Discretionary	110
	Cobalt-60	pCi/L	≤ 100	100	Discretionary	200
9/13/05	Boron, Dissolved	mg/L	**6**	3.68	Quarterly and Contingency	NE
	Chloride	mg/L	7,400	9,608	Quarterly and Contingency	NE
	Fluoride	mg/L	3	4.1	Quarterly and Contingency	4
	Potassium	mg/L	7.4	18.27	Quarterly and Contingency	NE
	Tritium	pCi/L	≤ 3,000	3,000	Quarterly and Contingency	20,000
	Iodine-131	pCi/L	≤ 100	100	Quarterly and Contingency	100
	Cesium-137	pCi/L	≤ 50	50	Quarterly and Contingency	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly and Contingency	200
10/12/05	Boron, Dissolved	mg/L	**6.4**	3.68	Quarterly and Contingency	NE
	Chloride	mg/L	7,400	9,608	Quarterly and Contingency	NE
	Fluoride	mg/L	3	4.1	Quarterly and Contingency	4
	Potassium	mg/L	17	18.27	Quarterly and Contingency	NE
	Tritium	pCi/L	≤ 3,000	3,000	Quarterly and Contingency	20,000
	Iodine-131	pCi/L	≤ 100	100	Quarterly and Contingency	100
	Cesium-137	pCi/L	≤ 50	50	Quarterly and Contingency	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly and Contingency	200

AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

TABLE 1A-14. WATER QUALITY DATA FOR WELL PV-33H

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
2/15/05	Boron, Dissolved	mg/L	6.7	7.5	Quarterly	NE
	Chloride	mg/L	4,800	5,303	Quarterly	NE
	Fluoride	mg/L	3	4.8	Quarterly	4
	Potassium, Dissolved	mg/L	2.4	4.74	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
6/15/05	Boron, Dissolved	mg/L	6.1	7.5	Quarterly	NE
	Chloride	mg/L	3,700	5,303	Quarterly	NE
	Fluoride	mg/L	3	4.8	Quarterly	4
	Potassium	mg/L	**6**	4.74	Quarterly	NE
	Potassium	mg/L	2.6	4.74	Reanalysis	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
8/17/05	Boron, Dissolved	mg/L	5.7	7.52	Discretionary	NE
	Chloride	mg/L	4,500	6,947	Discretionary	NE
	Fluoride	mg/L	2.8	3.5	Discretionary	4
	Potassium, Dissolved	mg/L	3.2	5.34	Discretionary	NE
	Tritium	pCi/L	≤ 1,000	1,000	Discretionary	20,000
	Cesium-137	pCi/L	≤ 50	50	Discretionary	110
	Cobalt-60	pCi/L	≤ 100	100	Discretionary	200
9/16/05	Boron, Dissolved	mg/L	6.1	7.52	Quarterly	NE
	Chloride	mg/L	4,400	6,947	Quarterly	NE
	Fluoride	mg/L	2.8	3.5	Quarterly	4
	Potassium, Dissolved	mg/L	3.2	5.34	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
12/2/05	Boron, Dissolved	mg/L	6	7.52	Quarterly	NE
	Chloride	mg/L	4,300	6,947	Quarterly	NE
	Fluoride	mg/L	3.3	3.5	Quarterly	4
	Potassium, Dissolved	mg/L	3.4	5.34	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200

AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

TABLE 1A-15. WATER QUALITY DATA FOR WELL PV-34H

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
2/16/05	Boron, Dissolved	mg/L	6	10.6	Quarterly	NE
	Chloride	mg/L	1,800	2,587	Quarterly	NE
	Fluoride	mg/L	14	24.1	Quarterly	4
	Potassium, Dissolved	mg/L	< 1	1.72	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
6/16/05	Boron, Dissolved	mg/L	5.3	10.6	Quarterly	NE
	Chloride	mg/L	2,000	2,587	Quarterly	NE
	Fluoride	mg/L	13	24.1	Quarterly	4
	Potassium	mg/L	1.3	1.7	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
8/26/05	Boron, Dissolved	mg/L	5.4	10.55	Discretionary	NE
	Chloride	mg/L	1,800	2,583	Discretionary	NE
	Fluoride	mg/L	15	24.1	Discretionary	4
	Potassium, Dissolved	mg/L	< 1	1.72	Discretionary	NE
	Tritium	pCi/L	≤ 1,000	1,000	Discretionary	20,000
	Cesium-137	pCi/L	≤ 50	50	Discretionary	110
	Cobalt-60	pCi/L	≤ 100	100	Discretionary	200
9/20/05	Boron, Dissolved	mg/L	5.5	10.55	Quarterly	NE
	Chloride	mg/L	2,100	2,583	Quarterly	NE
	Fluoride	mg/L	11	24.1	Quarterly	4
	Potassium, Dissolved	mg/L	< 1	1.72	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
12/8/05	Boron, Dissolved	mg/L	5.6	10.55	Quarterly	NE
	Chloride	mg/L	1,800	2,583	Quarterly	NE
	Fluoride	mg/L	14	24.1	Quarterly	4
	Potassium, Dissolved	mg/L	< 1	1.72	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200

AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

TABLE 1A-16. WATER QUALITY DATA FOR WELL PV-Q8

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
6/8/05	Boron, Dissolved	mg/L	3.2	TBD	Quarterly	NE
	Chloride	mg/L	3,200	TBD	Quarterly	NE
	Fluoride	mg/L	4.3	TBD	Quarterly	4
	Potassium, Dissolved	mg/L	3.5	TBD	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
8/17/05	Boron, Dissolved	mg/L	3	TBD	Discretionary	NE
	Chloride	mg/L	3,100	TBD	Discretionary	NE
	Fluoride	mg/L	2.5	TBD	Discretionary	4
	Potassium, Dissolved	mg/L	3.6	TBD	Discretionary	NE
	Tritium	pCi/L	≤ 1,000	1,000	Discretionary	20,000
	Cesium-137	pCi/L	≤ 50	50	Discretionary	110
	Cobalt-60	pCi/L	≤ 100	100	Discretionary	200
9/14/05	Boron, Dissolved	mg/L	3.1	TBD	Quarterly	NE
	Chloride	mg/L	3,200	TBD	Quarterly	NE
	Fluoride	mg/L	2.8	TBD	Quarterly	4
	Potassium, Dissolved	mg/L	3.4	TBD	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
10/28/05	Boron, Dissolved	mg/L	3.3	TBD	Quarterly	NE
	Chloride	mg/L	3,100	TBD	Quarterly	NE
	Fluoride	mg/L	2.7	TBD	Quarterly	4
	Potassium, Dissolved	mg/L	3.7	TBD	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200

°C = Degrees Celsius
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit
AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
NE = Not established
pCi/L = picoCuries per liter
SU = standard units
TBD = To Be Determined
umhos/cm = micromhos per centimeter

TABLE 1A-17. WATER QUALITY DATA FOR WELL PV-R2A

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
3/3/05	Boron, Dissolved	mg/L	8.6	Resd	Quarterly	NE
	Chloride	mg/L	4,100	Resd	Quarterly	NE
	Fluoride	mg/L	7.4	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	5.6	Resd	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
6/22/05	Boron, Dissolved	mg/L	8.7	Resd	Quarterly	NE
	Chloride	mg/L	5,200	Resd	Quarterly	NE
	Fluoride	mg/L	8	Resd	Quarterly	4
	Potassium, Dissolved	mg/L	6.9	Resd	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200

AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
Resd = Reserved
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

TABLE 1A-18. WATER QUALITY DATA FOR WELL PV-R2AR

SAMPLE DATE	PARAMETER	UNITS	RESULT	AL	SAMPLE TYPE	AWQS
9/22/05	Boron, Dissolved	mg/L	1.6	Resd	Quarterly	NE
	Chloride	mgL	5,000	Resd	Quarterly	NE
	Fluoride	mgL	3.1	Resd	Quarterly	4
	Potassium, Dissolved	mgL	5.3	Resd	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200
12/22/05	Boron, Dissolved	mgL	1.4	Resd	Quarterly	NE
	Chloride	mgL	4,900	Resd	Quarterly	NE
	Fluoride	mgL	3.2	Resd	Quarterly	4
	Potassium, Dissolved	mgL	6.2	Resd	Quarterly	NE
	Tritium	pCi/L	≤ 1,000	1,000	Quarterly	20,000
	Cesium-137	pCi/L	≤ 50	50	Quarterly	110
	Cobalt-60	pCi/L	≤ 100	100	Quarterly	200

AL = Alert Level
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
pCi/L = picoCuries per liter
umhos/cm = micromhos per centimeter
SU = standard units
°C = Degrees Celsius
NE = Not established
< = Less than the indicated reporting limit
≤ = Less than or equal to the indicated reporting limit

1. GROUNDWATER MONITORING

B. TRENDS IN GROUNDWATER CHEMISTRY

TABLE 1B-1. GENERALIZED 2004-2005 TRENDS OF INDICATOR PARAMETER

WELL ID	GENERALIZED TRENDS IN CONCENTRATIONS			
	BORON	FLUORIDE	POTASSIUM	CHLORIDE
APP-3	No Trend	No Trend	No Trend	No Trend
APP-4	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	No Trend
PV-14HB	No Trend	No Trend	No Trend	No Trend
PV-193A	No Trend	No Trend	No Trend	No Trend
PV-195A	No Trend	No Trend	No Trend	No Trend
PV-198AR	No Trend	No Trend	No Trend	No Trend
PV-198B	No Trend	No Trend	No Trend	No Trend
PV-206A	No Trend	No Trend	Decreasing	No Trend
PV-206B	Increasing	No Trend	Decreasing	Increasing
PV-33H	No Trend	No Trend	No Trend	No Trend
PV-34H	No Trend	No Trend	No Trend	No Trend
PV-Q8	No Trend	No Trend	Increasing	No Trend
PV-R2A	Increasing	No Trend	No Trend	No Trend
PV-R2AR	No Trend	No Trend	No Trend	Increasing

1. GROUNDWATER MONITORING

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

SECTION 1C – INTRODUCTION

Section 2.7.5.1 A.1.c of the 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 the heterogeneous nature of the site geology, and 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.

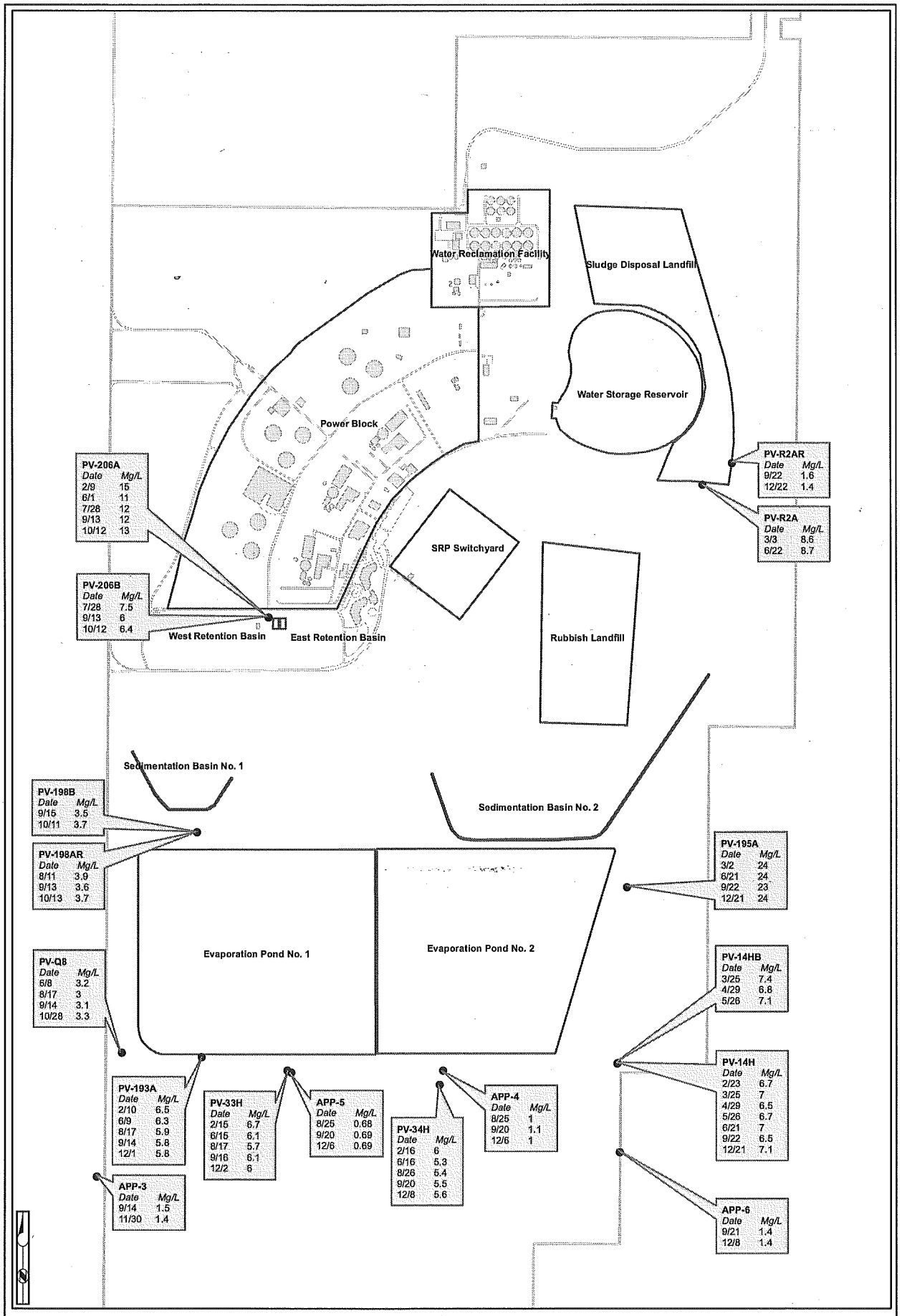


Figure 1-1
Palo Verde Nuclear Generating Station
Selected 2005 Boron Concentrations

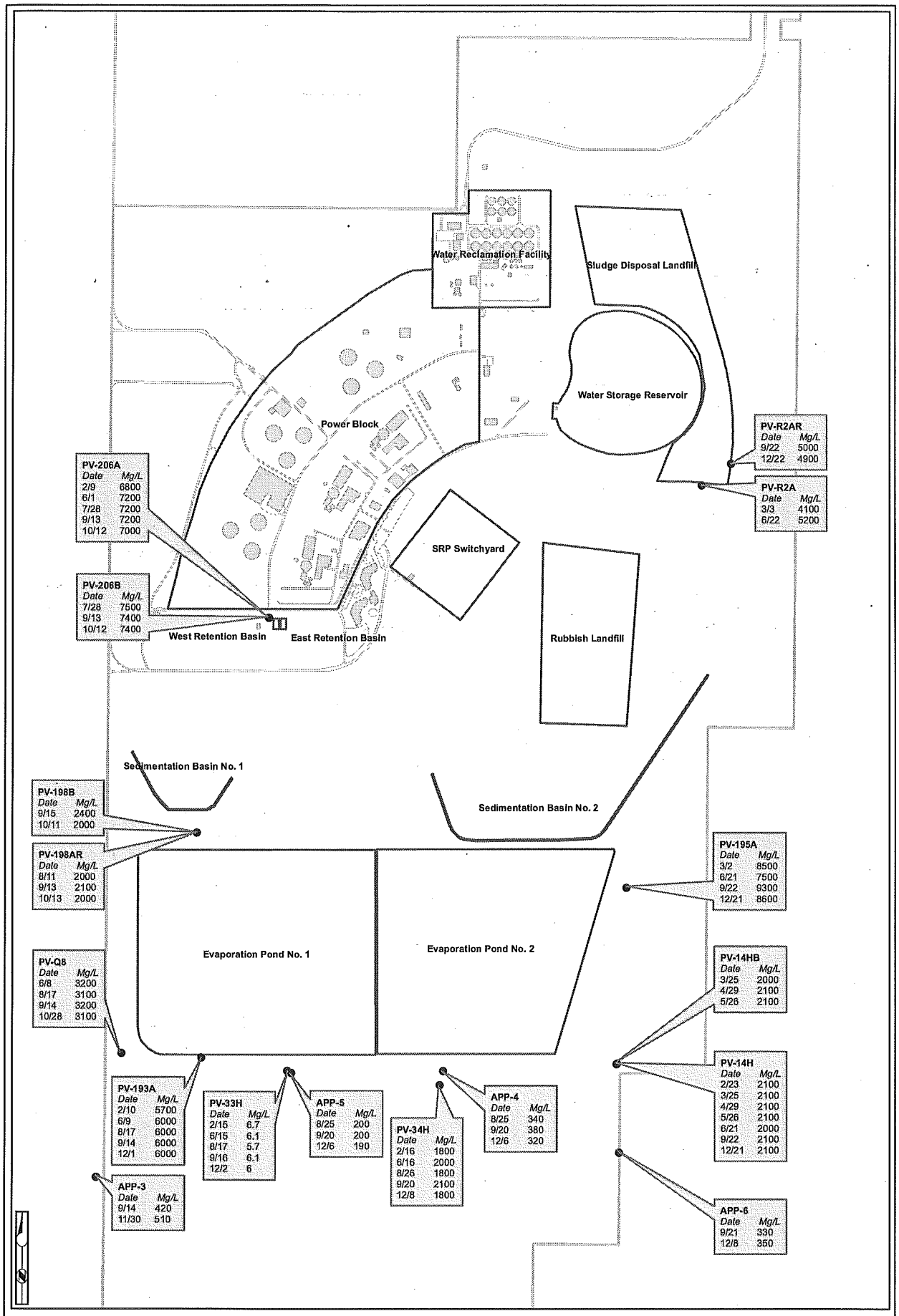


Figure 1-2
Palo Verde Nuclear Generating Station
Selected 2005 Chloride Concentrations

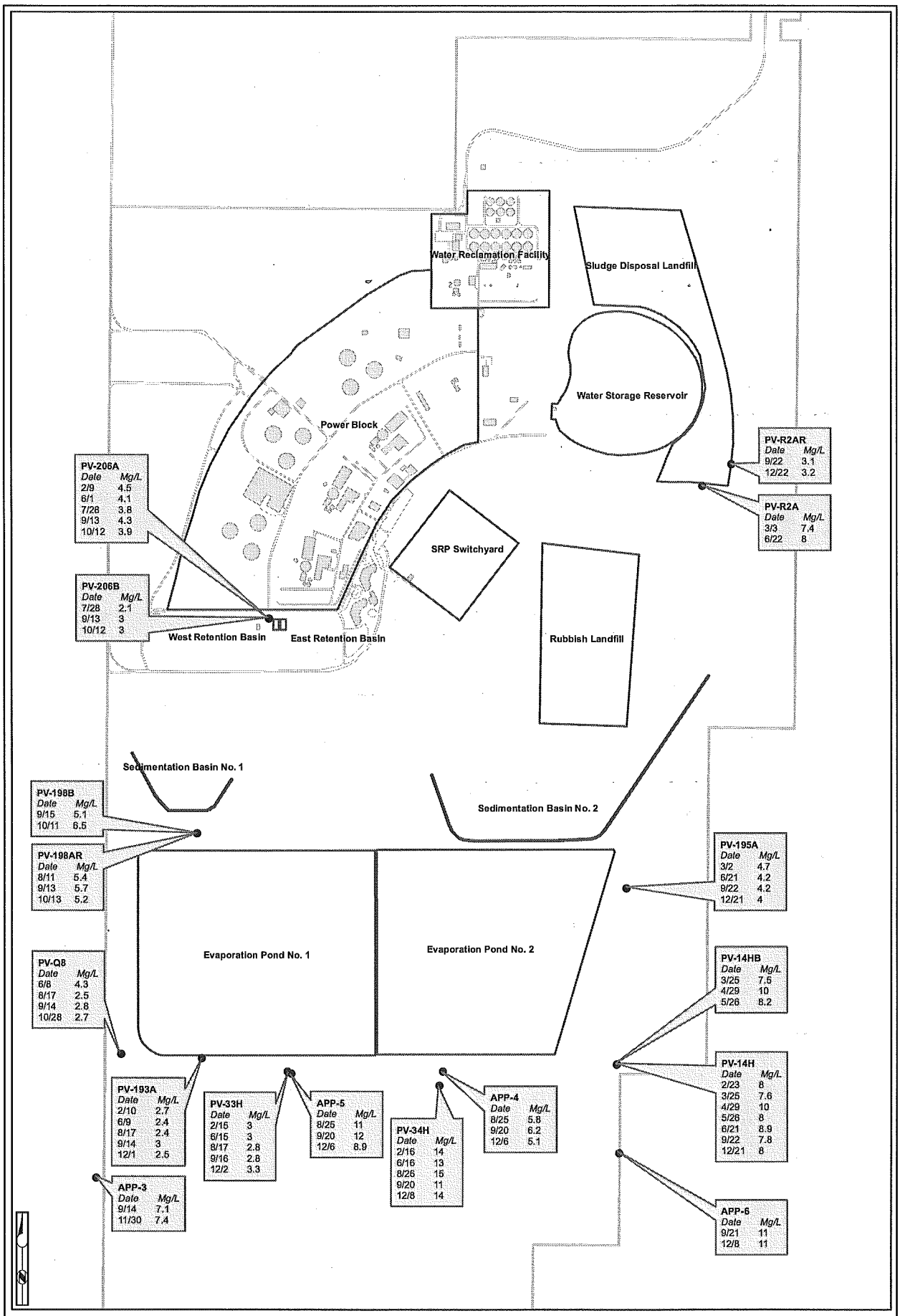


Figure 1-3
Palo Verde Nuclear Generating Station
Selected 2005 Fluoride Concentrations

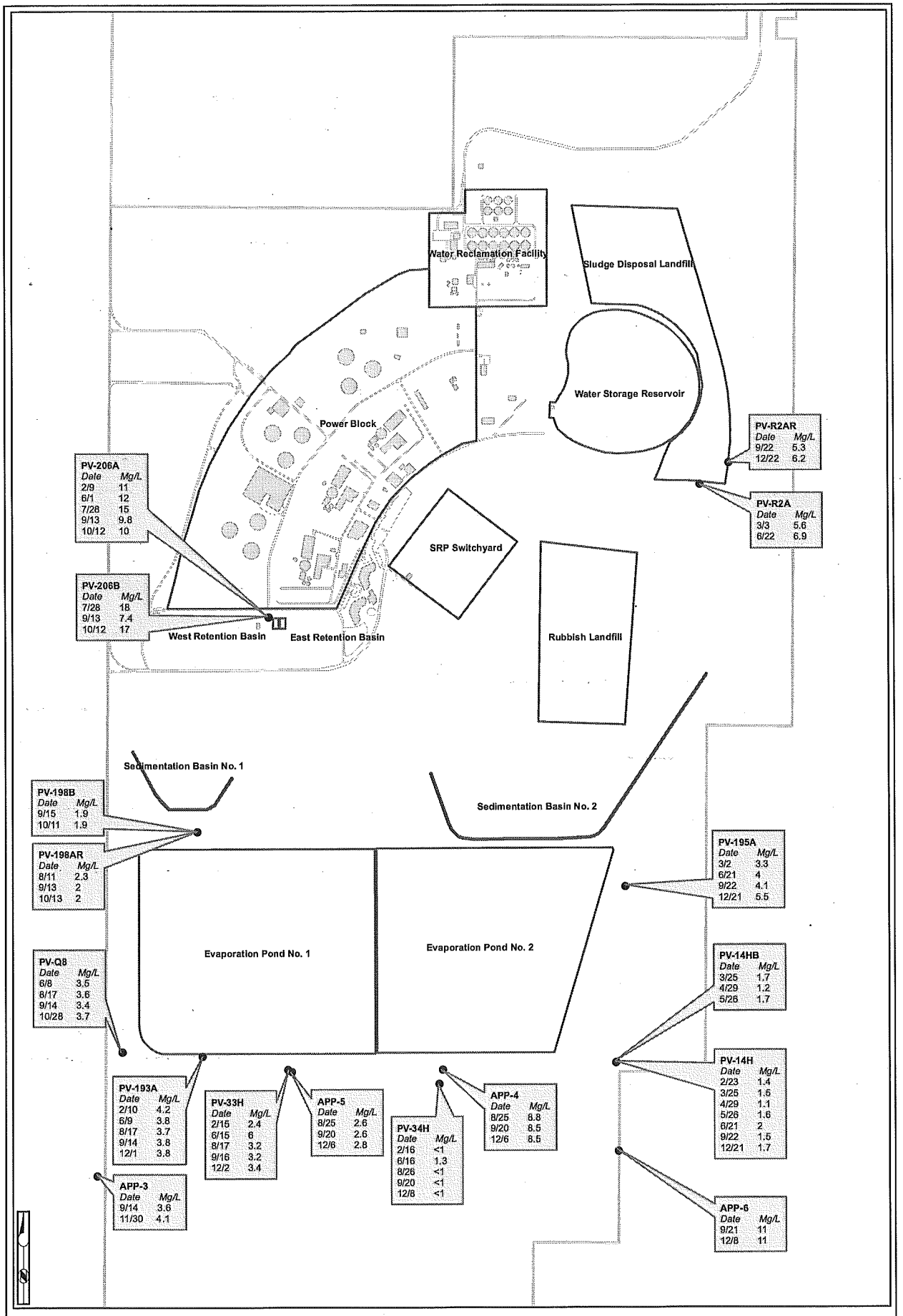


Figure 1-4

Palo Verde Nuclear Generating Station
Selected 2005 Potassium Concentrations

TABLE 1C-1. EXCEEDANCES VERIFIED DURING 2005

SAMPLE DATE	WELL ID	SAMPLE TYPE	ANALYTICAL PARAMETER	RESULT (mg/L)	ALERT LEVEL TYPE	ALERT LEVEL (mg/L)	COMMENTS
2/23/05	PV-14H	Quarterly sampling	Chloride	2,100	IAL	2,065	Exceeds IAL
3/25/05	PV-14H	Verification for Cl exceedance in PV-14H during 2/23/05	Chloride	2,100	IAL	2,065	Verification Exceeds IAL
6/1/05	PV-206A	Quarterly & 2nd Level Contingency.	Selenium	0.067	CAL	0.05	Exceeds CAL
6/1/05	PV-206A	Reanalysis of Se exceedance. Result above CAL	Selenium	0.087	CAL	0.05	Exceeds CAL
6/29/05	PV-206A	Verification for Se exceedance on 6/1/05	Selenium	0.074	CAL	0.035	Exceeds CAL
7/28/05	PV-206B	Discretionary WQ	Boron	7.5	Verification AL	3.68	Exceeds Verification AL (1st time)
9/13/05	PV-206B	Quarterly and CAL Contingency	Boron	6	Verification AL	3.68	Exceeds Verification AL (2nd time)
10/12/05	PV-206B	Quarterly and CAL Contingency	Boron	6.4	Verification AL	3.68	Exceeds Verification AL (3rd time)

Samples collected after June 24, 2005 were compared to the revised Alert Levels as presented in the APP Rev. 1 dated June 24, 2005.
Did not include exceedances already verified during 2004
AL = Alert Level
CAL = Contingency Alert Level
IAL = Indicator Alert Level
mg/L = milligrams per Liter

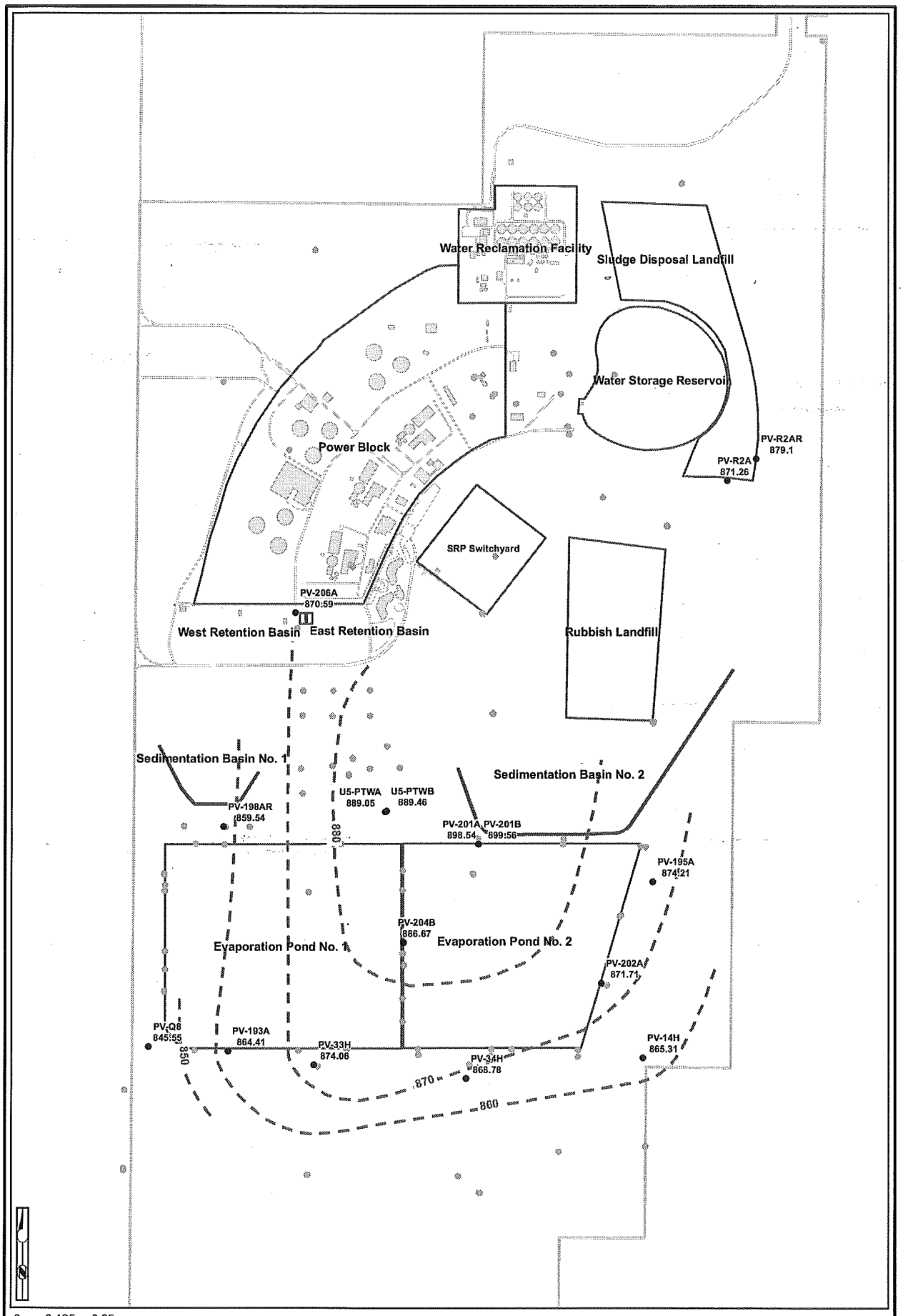
1. GROUNDWATER MONITORING

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

SECTION 1D – INTRODUCTION

Contours of the shallow water level data have been completed for each quarter of 2005 and are presented on Figures 1-5 through 1-8. The groundwater elevation contours were developed by hand. As previously described, the water level data also reflects the subsurface heterogeneity. Hand contouring of the data, in conjunction with some local knowledge, is generally required to generate an accurate contour map. In general, the water level elevation maps for 2005 remain consistent with historical shallow groundwater elevation maps. Due to the high shallow groundwater gradient across the site, caused by the low permeability of the shallow alluvial deposits, the location of each contour was estimated manually without the completion of any rigorous triangulation or interpolation techniques. This approach is considered appropriate for the data set utilized.

In Section 2.7.5.1 A.1d of the APP, the completion of a Regional Groundwater equipotential map is 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 onsite and offsite, it has been shown that regional aquifer flow directions are to the south/southwest. This flow direction is similar to the natural pre-development groundwater flow direction with the current flow gradient likely being increased in response to pumping in the Centennial Wash area to the south 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, a general groundwater flow direction to the south is present. However, due to the aforementioned effects from pumping and the shallow completion depth of monitoring well PV-216R relative to the deeper production (both current and inactive) wells, neither groundwater gradient or equipotential lines can be calculated.



0 0.125 0.25

SCALE IN MILES

BROWN AND CALDWELL

EXPLANATION

PV-14H
865.31 Wells (WL Elevation in Feet Above Mean Sea Level)

Water Level Elevation Contour

Facilities

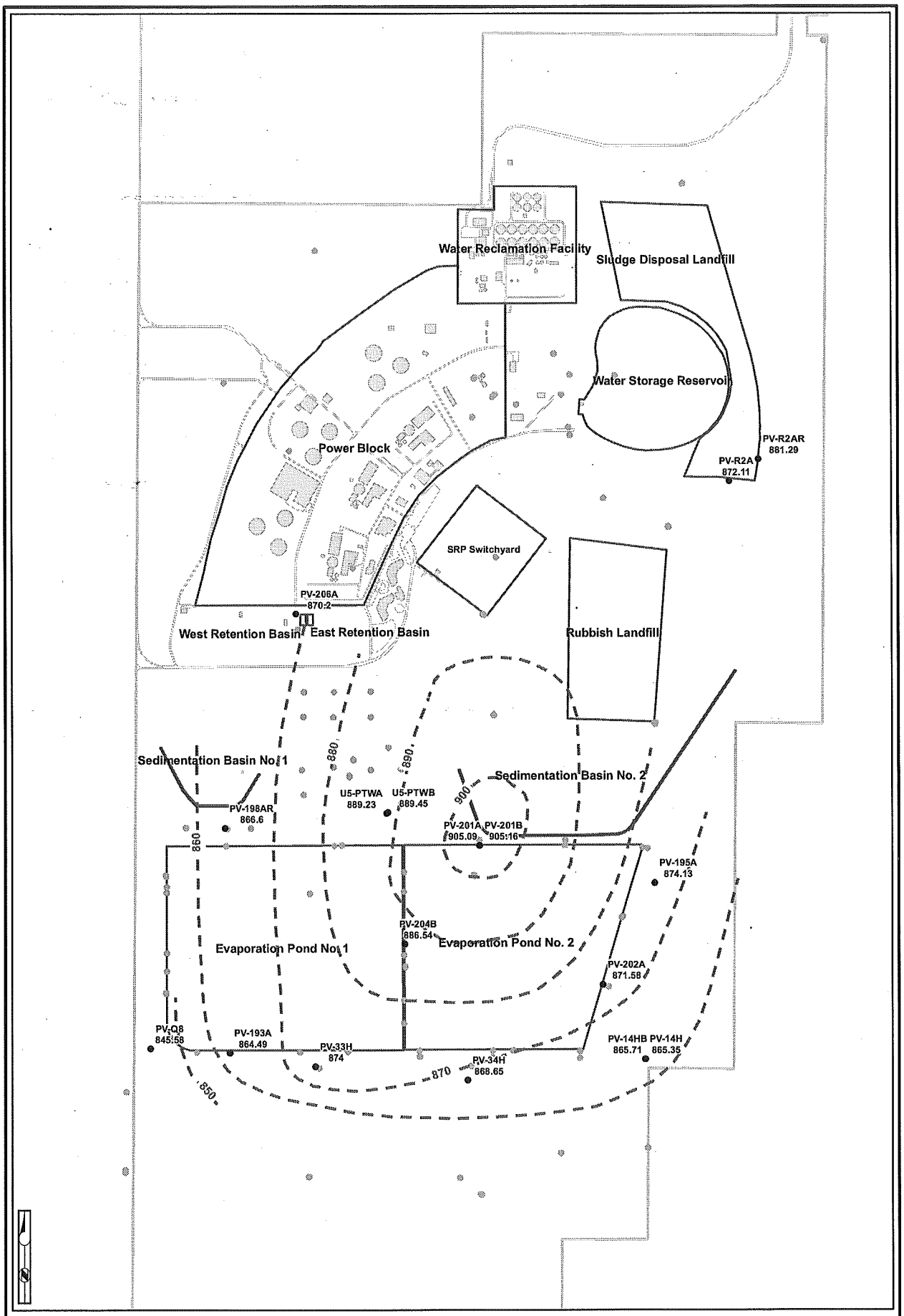
Site Boundary

Buildings

Figure 1-5

Palo Verde Nuclear Generating Station
Quarterly Shallow Groundwater Contour Map
January 2005

P:\BC - Tucson\APS-PVNGS\128186 - APP Annual Rptng\GIS\G128186013 5/15/06



0 0.125 0.25

SCALE IN MILES

BROWN AND CALDWELL

EXPLANATION

PV-14H 865.31 — Wells (WL Elevation in Feet Above Mean Sea Level)

Water Level Elevation Contour

Facilities

Site Boundary

Buildings

Figure 1-6

Palo Verde Nuclear Generating Station
Quarterly Shallow Groundwater Contour Map
April 2005

P:\BC - Tucson\APS-PVNGS\128186 - APP Annual Rptng\GIS\G128186014 5/15/06

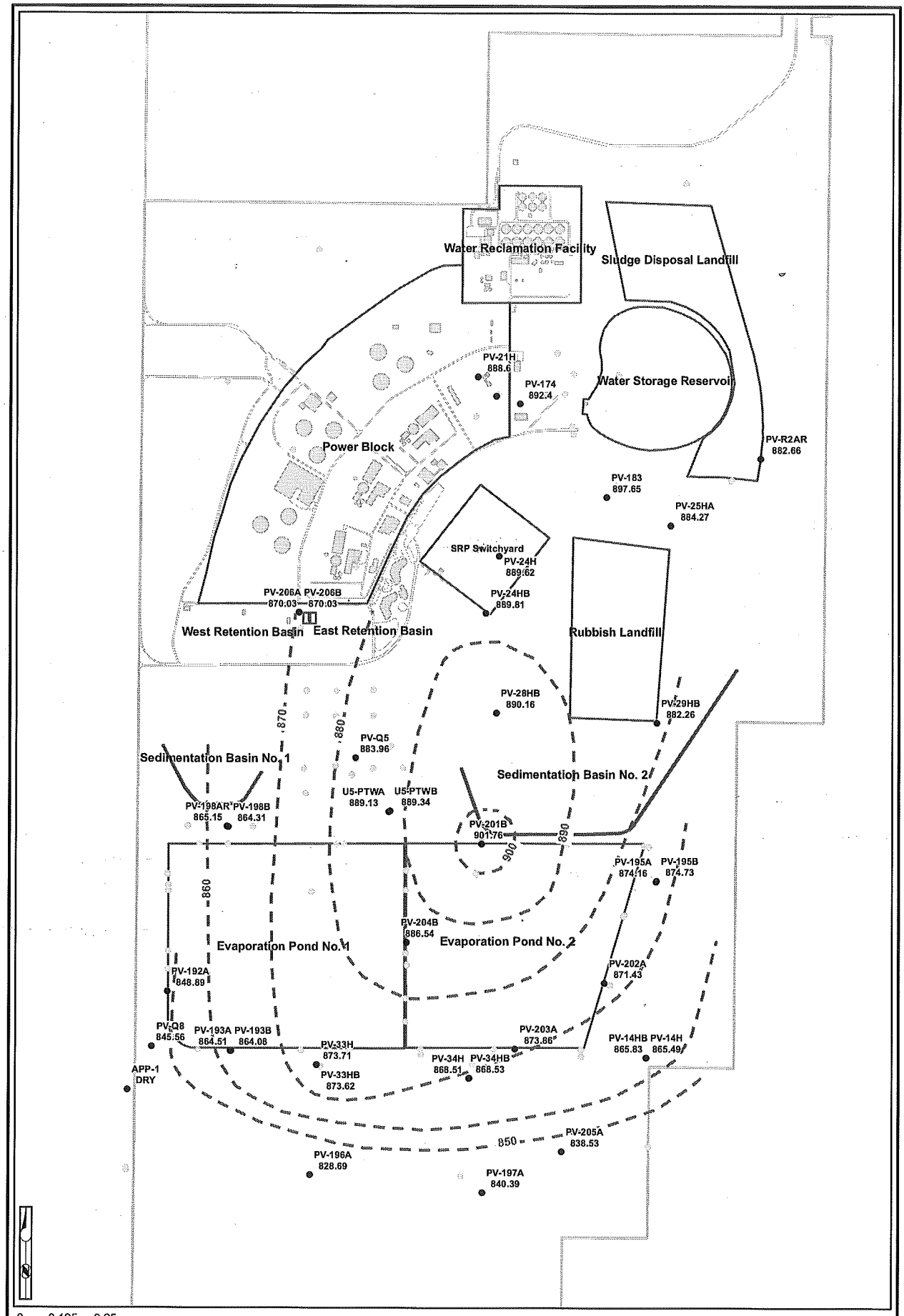
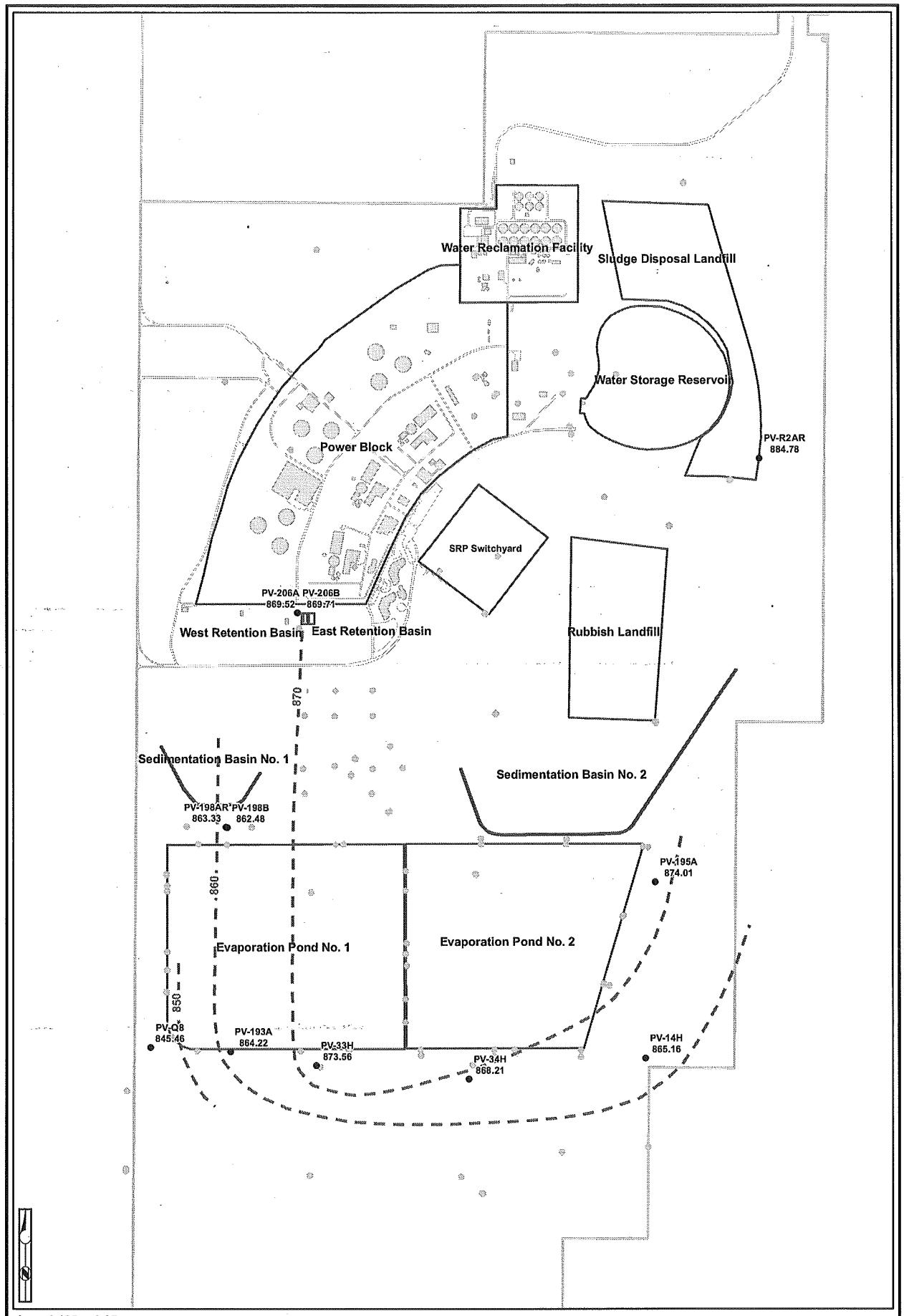


Figure 1-7
Palo Verde Nuclear Generating Station
Quarterly Shallow Groundwater Contour Map
July 2005



0 0.125 0.25
SCALE IN MILES

BROWN AND CALDWELL

EXPLANATION

PV-14H 865.31 — Wells (WL Elevation in Feet Above Mean Sea Level)

Water Level Elevation Contour

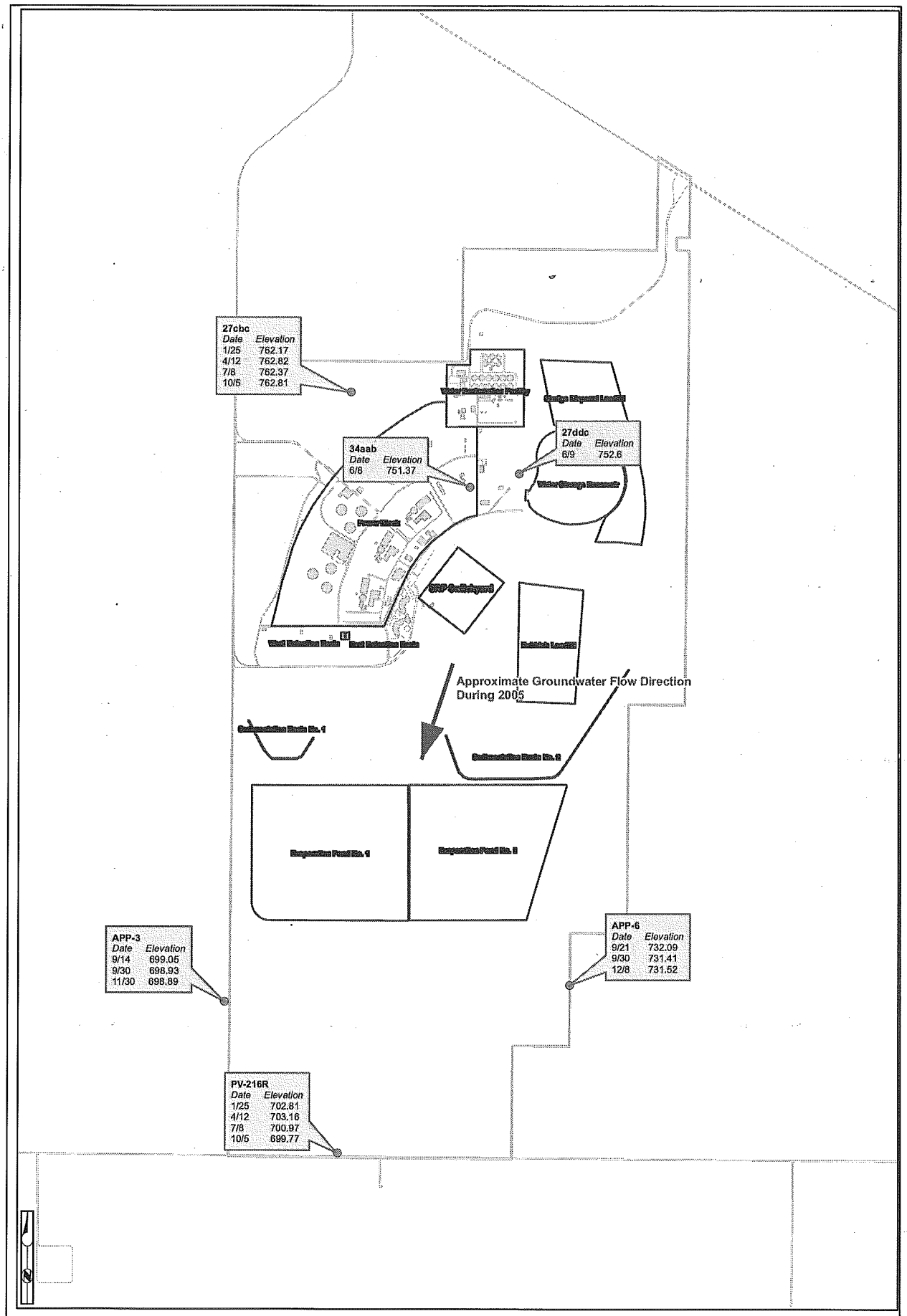
Facilities

Site Boundary

Buildings

Figure 1-8
Palo Verde Nuclear Generating Station
Quarterly Shallow Groundwater Contour Map
October - December 2005

P:\BC - Tucson\APS-PVNGS\128186 - APP Annual Rptng\GIS\G128186016 5/15/06



0 1,000 2,000

SCALE IN FEET

BROWN AND CALDWELL

EXPLANATION

Wells (WL Elevation in Feet Above Mean Sea Level)

Facilities

Buildings

Site Boundary

Figure 1-9

Palo Verde Nuclear Generating Station

Regional Wells

2005 Water Level Measurements

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2. IMPOUNDMENT MONITORING

A. PIEZOMETER AND SUMP MONITORING RESULTS

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-208C	1/5/05	942.37		Dry	25.5	Monthly & Weekly
	1/11/05	942.37		Dry	25.5	Weekly
	1/18/05	942.37		Dry	25.5	Weekly
	1/25/05	942.37		Dry	25.5	Weekly
	2/1/05	942.37		Dry	25.5	Monthly & Weekly
	2/8/05	942.37		Dry	25.5	Weekly
	2/15/05	942.37		Dry	25.5	Weekly
	3/1/05	942.37		Dry	25.5	Monthly
	4/6/05	942.37		Dry	25.5	Monthly
	4/28/05	942.37		Dry	25.5	Weekly
	5/3/05	942.37		Dry	25.5	Weekly
	5/10/05	942.37		Dry	25.5	Monthly & Weekly
	5/17/05	942.37		Dry	25.5	Weekly
	5/24/05	942.37		Dry	25.5	Weekly
	5/31/05	942.37		Dry	25.5	Weekly
	6/7/05	942.37		Dry	25.5	Monthly & Weekly
	6/14/05	942.37		Dry	25.5	Weekly
	6/21/05	942.37		Dry	25.5	Weekly
	6/29/05	942.37		Dry	25.5	Weekly
	7/5/05	942.37		Dry	25.5	Monthly & Weekly
	7/12/05	942.37		Dry	25.5	Weekly
	7/19/05	942.37		Dry	25.5	Weekly
	7/29/05	942.37		Dry	25.5	Weekly
	8/2/05	942.37		Dry	25.5	Monthly & Weekly
	8/9/05	942.37		Dry	25.5	Weekly
	8/16/05	942.37		Dry	25.5	Weekly
	8/23/05	942.37		Dry	25.5	Weekly
	8/31/05	942.37		Dry	25.5	Weekly
	9/2/05	942.37		Dry	25.5	Monthly
	10/4/05	942.37		Dry	25.5	Monthly
	11/18/05	942.37		Dry	25.5	Monthly
	12/2/05	942.37		Dry	25.5	Monthly
PV-208T	1/5/05	921.72		Dry	15.5	Monthly & Weekly
	1/11/05	921.72		Dry	15.5	Weekly
	1/18/05	921.72		Dry	15.5	Weekly
	1/25/05	921.72		Dry	15.5	Weekly
	2/1/05	921.72		Dry	15.5	Monthly & Weekly
	2/8/05	921.72		Dry	15.5	Weekly
	2/15/05	921.72		Dry	15.5	Weekly
	3/1/05	921.72		Dry	15.5	Monthly
	4/6/05	921.72		Dry	15.5	Monthly
	4/28/05	921.72		Dry	15.5	Weekly
	5/3/05	921.72		Dry	15.5	Weekly
	5/10/05	921.72		Dry	15.5	Monthly & Weekly
	5/17/05	921.72		Dry	15.5	Weekly
	5/24/05	921.72		Dry	15.5	Weekly
	5/31/05	921.72		Dry	15.5	Weekly
	6/7/05	921.72		Dry	15.5	Monthly & Weekly
	6/14/05	921.72		Dry	15.5	Weekly
	6/21/05	921.72		Dry	15.5	Weekly
	6/29/05	921.72		Dry	15.5	Weekly
	7/5/05	921.72		Dry	15.5	Monthly & Weekly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-208T (cont.)	7/12/05	921.72		Dry	15.5	Weekly
	7/19/05	921.72		Dry	15.5	Weekly
	7/29/05	921.72		Dry	15.5	Weekly
	8/2/05	921.72		Dry	15.5	Monthly & Weekly
	8/9/05	921.72		Dry	15.5	Weekly
	8/16/05	921.72		Dry	15.5	Weekly
	8/23/05	921.72		Dry	15.5	Weekly
	8/31/05	921.72		Dry	15.5	Weekly
	9/2/05	921.72		Dry	15.5	Monthly
	10/4/05	921.72		Dry	15.5	Monthly
	11/18/05	921.72		Dry	15.5	Monthly
	12/1/05	921.72		Dry	15.5	Monthly
PV-209C	1/5/05	942.71		Dry	35.5	Monthly & Weekly
	1/11/05	942.71		Dry	35.5	Weekly
	1/18/05	942.71		Dry	35.5	Weekly
	1/25/05	942.71		Dry	35.5	Weekly
	2/1/05	942.71		Dry	35.5	Monthly & Weekly
	2/8/05	942.71		Dry	35.5	Weekly
	2/15/05	942.71		Dry	35.5	Weekly
	3/1/05	942.71		Dry	35.5	Monthly
	4/6/05	942.71		Dry	35.5	Monthly
	4/28/05	942.71		Dry	35.5	Weekly
	5/3/05	942.71		Dry	35.5	Weekly
	5/10/05	942.71		Dry	35.5	Monthly & Weekly
	5/17/05	942.71		Dry	35.5	Weekly
	5/24/05	942.71		Dry	35.5	Weekly
	5/31/05	942.71		Dry	35.5	Weekly
	6/7/05	942.71		Dry	35.5	Monthly & Weekly
	6/14/05	942.71		Dry	35.5	Weekly
	6/21/05	942.71		Dry	35.5	Weekly
	6/29/05	942.71		Dry	35.5	Weekly
	7/5/05	942.71		Dry	35.5	Monthly & Weekly
	7/12/05	942.71		Dry	35.5	Weekly
	7/19/05	942.71		Dry	35.5	Weekly
	7/29/05	942.71		Dry	35.5	Weekly
	8/2/05	942.71		Dry	35.5	Monthly & Weekly
	8/9/05	942.71		Dry	35.5	Weekly
	8/16/05	942.71		Dry	35.5	Weekly
	8/23/05	942.71		Dry	35.5	Weekly
	8/31/05	942.71		Dry	35.5	Weekly
	9/2/05	942.71		Dry	35.5	Monthly
	10/4/05	942.71		Dry	35.5	Monthly
	11/18/05	942.71		Dry	35.5	Monthly
	12/2/05	942.71		Dry	35.5	Monthly
PV-209T	1/5/05	923.88		Dry	15.5	Monthly & Weekly
	1/11/05	923.88		Dry	15.5	Weekly
	1/18/05	923.88		Dry	15.5	Weekly
	1/25/05	923.88		Dry	15.5	Weekly
	2/1/05	923.88		Dry	15.5	Monthly & Weekly
	2/8/05	923.88		Dry	15.5	Weekly
	2/15/05	923.88		Dry	15.5	Weekly
	3/1/05	923.88		Dry	15.5	Monthly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-209T (cont.)	4/6/05	923.88		Dry	15.5	Monthly
	4/28/05	923.88		Dry	15.5	Weekly
	5/3/05	923.88		Dry	15.5	Weekly
	5/10/05	923.88		Dry	15.5	Monthly & Weekly
	5/17/05	923.88		Dry	15.5	Weekly
	5/24/05	923.88		Dry	15.5	Weekly
	5/31/05	923.88		Dry	15.5	Weekly
	6/7/05	923.88		Dry	15.5	Monthly & Weekly
	6/14/05	923.88		Dry	15.5	Weekly
	6/21/05	923.88		Dry	15.5	Weekly
	6/29/05	923.88		Dry	15.5	Weekly
	7/5/05	923.88		Dry	15.5	Monthly & Weekly
	7/12/05	923.88		Dry	15.5	Weekly
	7/19/05	923.88		Dry	15.5	Weekly
	7/29/05	923.88		Dry	15.5	Weekly
	8/2/05	923.88		Dry	15.5	Monthly & Weekly
	8/9/05	923.88		Dry	15.5	Weekly
	8/16/05	923.88		Dry	15.5	Weekly
	8/23/05	923.88		Dry	15.5	Weekly
	8/31/05	923.88		Dry	15.5	Weekly
	9/2/05	923.88		Dry	15.5	Monthly
	10/4/05	923.88		Dry	15.5	Monthly
	11/18/05	923.88		Dry	15.5	Monthly
	12/1/05	923.88		Dry	15.5	Monthly
PV-210C	1/5/05	941.8		Dry	36.5	Monthly & Weekly
	1/11/05	941.8		Dry	36.5	Weekly
	1/18/05	941.8		Dry	36.5	Weekly
	1/25/05	941.8		Dry	36.5	Weekly
	2/1/05	941.8		Dry	36.5	Monthly & Weekly
	2/8/05	941.8		Dry	36.5	Weekly
	2/15/05	941.8		Dry	36.5	Weekly
	3/1/05	941.8		Dry	36.5	Monthly
	4/6/05	941.8		Dry	36.5	Monthly
	4/28/05	941.8		Dry	36.5	Weekly
	5/3/05	941.8		Dry	36.5	Weekly
	5/10/05	941.8		Dry	36.5	Monthly & Weekly
	5/17/05	941.8		Dry	36.5	Weekly
	5/24/05	941.8		Dry	36.5	Weekly
	5/31/05	941.8		Dry	36.5	Weekly
	6/7/05	941.8		Dry	36.5	Monthly & Weekly
	6/14/05	941.8		Dry	36.5	Weekly
	6/21/05	941.8		Dry	36.5	Weekly
	6/29/05	941.8		Dry	36.5	Weekly
	7/5/05	941.8		Dry	36.5	Monthly & Weekly
	7/12/05	941.8		Dry	36.5	Weekly
	7/19/05	941.8		Dry	36.5	Weekly
	7/29/05	941.8		Dry	36.5	Weekly
	8/2/05	941.8		Dry	36.5	Monthly & Weekly
	8/9/05	941.8		Dry	36.5	Weekly
	8/16/05	941.8		Dry	36.5	Weekly
	8/23/05	941.8		Dry	36.5	Weekly
	8/31/05	941.8		Dry	36.5	Weekly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-210C (cont.)	9/2/05	941.8		Dry	36.5	Monthly
	10/4/05	941.8		Dry	36.5	Monthly
	11/18/05	941.8		Dry	36.5	Monthly
	12/2/05	941.8		Dry	36.5	Monthly
PV-210T	1/5/05	923.04		Dry	15.5	Monthly & Weekly
	1/11/05	923.04		Dry	15.5	Weekly
	1/18/05	923.04		Dry	15.5	Weekly
	1/25/05	923.04		Dry	15.5	Weekly
	2/1/05	923.04		Dry	15.5	Monthly & Weekly
	2/8/05	923.04		Dry	15.5	Weekly
	2/15/05	923.04		Dry	15.5	Weekly
	3/1/05	923.04		Dry	15.5	Monthly
	4/6/05	923.04		Dry	15.5	Monthly
	4/28/05	923.04		Dry	15.5	Weekly
	5/3/05	923.04		Dry	15.5	Weekly
	5/10/05	923.04		Dry	15.5	Monthly & Weekly
	5/17/05	923.04		Dry	15.5	Weekly
	5/24/05	923.04		Dry	15.5	Weekly
	5/31/05	923.04		Dry	15.5	Weekly
	6/7/05	923.04		Dry	15.5	Monthly & Weekly
	6/14/05	923.04		Dry	15.5	Weekly
	6/21/05	923.04		Dry	15.5	Weekly
	6/29/05	923.04		Dry	15.5	Weekly
	7/5/05	923.04		Dry	15.5	Monthly & Weekly
	7/12/05	923.04		Dry	15.5	Weekly
	7/19/05	923.04		Dry	15.5	Weekly
	7/29/05	923.04		Dry	15.5	Weekly
	8/2/05	923.04		Dry	15.5	Monthly & Weekly
	8/9/05	923.04		Dry	15.5	Weekly
	8/16/05	923.04		Dry	15.5	Weekly
	8/23/05	923.04		Dry	15.5	Weekly
	8/31/05	923.04		Dry	15.5	Weekly
	9/2/05	923.04		Dry	15.5	Monthly
	10/4/05	923.04		Dry	15.5	Monthly
	11/18/05	923.04		Dry	15.5	Monthly
	12/1/05	923.04		Dry	15.5	Monthly
PV-211C	1/5/05	942.01		Dry	31.5	Monthly & Weekly
	1/11/05	942.01		Dry	31.5	Weekly
	1/18/05	942.01		Dry	31.5	Weekly
	1/25/05	942.01		Dry	31.5	Weekly
	2/1/05	942.01		Dry	31.5	Monthly & Weekly
	2/8/05	942.01		Dry	31.5	Weekly
	2/15/05	942.01		Dry	31.5	Weekly
	3/1/05	942.01		Dry	31.5	Monthly
	4/6/05	942.01		Dry	31.5	Monthly
	4/28/05	942.01		Dry	31.5	Weekly
	5/3/05	942.01		Dry	31.5	Weekly
	5/10/05	942.01		Dry	31.5	Monthly & Weekly
	5/17/05	942.01		Dry	31.5	Weekly
	5/24/05	942.01		Dry	31.5	Weekly
	5/31/05	942.01		Dry	31.5	Weekly
	6/7/05	942.01		Dry	31.5	Monthly & Weekly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-211C (cont.)	6/14/05	942.01		Dry	31.5	Weekly
	6/21/05	942.01		Dry	31.5	Weekly
	6/29/05	942.01		Dry	31.5	Weekly
	7/5/05	942.01		Dry	31.5	Monthly & Weekly
	7/12/05	942.01		Dry	31.5	Weekly
	7/19/05	942.01		Dry	31.5	Weekly
	7/29/05	942.01		Dry	31.5	Weekly
	8/2/05	942.01		Dry	31.5	Monthly & Weekly
	8/9/05	942.01		Dry	31.5	Weekly
	8/16/05	942.01		Dry	31.5	Weekly
	8/23/05	942.01		Dry	31.5	Weekly
	8/31/05	942.01		Dry	31.5	Weekly
	9/2/05	942.01		Dry	31.5	Monthly
	10/4/05	942.01		Dry	31.5	Monthly
	11/18/05	942.01		Dry	31.5	Monthly
	12/2/05	942.01		Dry	31.5	Monthly
PV-211T	1/5/05	918.8		Dry	15.5	Monthly & Weekly
	1/11/05	918.8		Dry	15.5	Weekly
	1/18/05	918.8		Dry	15.5	Weekly
	1/25/05	918.8		Dry	15.5	Weekly
	2/1/05	918.8		Dry	15.5	Monthly & Weekly
	2/8/05	918.8		Dry	15.5	Weekly
	2/15/05	918.8		Dry	15.5	Weekly
	3/1/05	918.8		Dry	15.5	Monthly
	4/5/05	918.8		Dry	15.5	Monthly
	4/28/05	918.8		Dry	15.5	Weekly
	5/3/05	918.8		Dry	15.5	Weekly
	5/10/05	918.8		Dry	15.5	Monthly & Weekly
	5/17/05	918.8		Dry	15.5	Weekly
	5/24/05	918.8		Dry	15.5	Weekly
	5/31/05	918.8		Dry	15.5	Weekly
	6/7/05	918.8		Dry	15.5	Monthly & Weekly
	6/14/05	918.8		Dry	15.5	Weekly
	6/21/05	918.8		Dry	15.5	Weekly
	6/29/05	918.8		Dry	15.5	Weekly
	7/5/05	918.8		Dry	15.5	Monthly & Weekly
	7/12/05	918.8		Dry	15.5	Weekly
	7/19/05	918.8		Dry	15.5	Weekly
	7/29/05	918.8		Dry	15.5	Weekly
	8/2/05	918.8		Dry	15.5	Monthly & Weekly
	8/9/05	918.8		Dry	15.5	Weekly
	8/16/05	918.8		Dry	15.5	Weekly
	8/23/05	918.8		Dry	15.5	Weekly
	8/31/05	918.8		Dry	15.5	Weekly
	9/2/05	918.8		Dry	15.5	Monthly
	10/4/05	918.8		Dry	15.5	Monthly
	11/18/05	918.8		Dry	15.5	Monthly
	12/1/05	918.8		Dry	15.5	Monthly
PV-212C	1/5/05	941.86		Dry	45.5	Monthly & Weekly
	1/11/05	941.86		Dry	45.5	Weekly
	1/18/05	941.86		Dry	45.5	Weekly
	1/25/05	941.86		Dry	45.5	Weekly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-212C (cont.)	2/1/05	941.86		Dry		Monthly & Weekly
	2/8/05	941.86		Dry		Weekly
	2/15/05	941.86		Dry		Weekly
	3/1/05	941.86		Dry		Monthly
	4/6/05	941.86		Dry		Monthly
	4/28/05	941.86		Dry		Weekly
	5/3/05	941.86		Dry		Weekly
	5/10/05	942.86		Dry		Monthly & Weekly
	5/17/05	942.86		Dry		Weekly
	5/24/05	942.86		Dry		Weekly
	5/31/05	942.86		Dry		Weekly
	6/7/05	942.86		Dry		Monthly & Weekly
	6/14/05	942.86		Dry		Weekly
	6/21/05	942.86		Dry		Weekly
	6/29/05	942.86		Dry		Weekly
	7/5/05	942.86		Dry		Monthly & Weekly
	7/12/05	942.86		Dry		Weekly
	7/19/05	942.86		Dry		Weekly
	7/29/05	942.86		Dry		Weekly
	8/2/05	942.86		Dry		Monthly & Weekly
	8/9/05	942.86		Dry		Weekly
	8/16/05	942.86		Dry		Weekly
	8/23/05	942.86		Dry		Weekly
	8/31/05	942.86		Dry		Weekly
	9/2/05	942.86		Dry		Monthly
	10/4/05	942.86		Dry		Monthly
	11/10/05	942.86		Dry		Monthly
	12/2/05	942.86		Dry		Monthly
PV-212T	1/5/05	914.5		Dry	15.5	Monthly & Weekly
	1/11/05	914.5		Dry	15.5	Weekly
	1/18/05	914.5		Dry	15.5	Weekly
	1/25/05	914.5		Dry	15.5	Weekly
	2/1/05	914.5		Dry	15.5	Monthly & Weekly
	2/8/05	914.5		Dry	15.5	Weekly
	2/15/05	914.5		Dry	15.5	Weekly
	3/1/05	914.5		Dry	15.5	Monthly
	4/6/05	914.5		Dry	15.5	Monthly
	4/28/05	914.5		Dry	15.5	Weekly
	5/3/05	914.5		Dry	15.5	Weekly
	5/10/05	914.5		Dry	15.5	Monthly & Weekly
	5/17/05	914.5		Dry	15.5	Weekly
	5/24/05	914.5		Dry	15.5	Weekly
	5/31/05	914.5		Dry	15.5	Weekly
	6/7/05	914.5		Dry	15.5	Monthly & Weekly
	6/14/05	914.5		Dry	15.5	Weekly
	6/21/05	914.5		Dry	15.5	Weekly
	6/29/05	914.5		Dry	15.5	Weekly
	7/5/05	914.5		Dry	15.5	Monthly & Weekly
	7/12/05	914.5		Dry	15.5	Weekly
	7/19/05	914.5		Dry	15.5	Weekly
	7/29/05	914.5		Dry	15.5	Weekly
	8/2/05	914.5		Dry	15.5	Monthly & Weekly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-212T (cont.)	8/9/05	914.5		Dry	15.5	Weekly
	8/16/05	914.5		Dry	15.5	Weekly
	8/23/05	914.5		Dry	15.5	Weekly
	8/31/05	914.5		Dry	15.5	Weekly
	9/2/05	914.5		Dry	15.5	Monthly
	10/4/05	914.5		Dry	15.5	Monthly
	11/18/05	914.5		Dry	15.5	Monthly
	12/1/05	914.5		Dry	15.5	Monthly
PV-213C	1/5/05	941.76		Dry	49.5	Monthly & Weekly
	1/11/05	941.76		Dry	49.5	Weekly
	1/18/05	941.76		Dry	49.5	Weekly
	1/25/05	941.76		Dry	49.5	Weekly
	2/1/05	941.76		Dry	49.5	Monthly & Weekly
	2/8/05	941.76		Dry	49.5	Weekly
	2/15/05	941.76		Dry	49.5	Weekly
	3/1/05	941.76		Dry	49.5	Monthly
	4/6/05	941.76		Dry	49.5	Monthly
	4/28/05	941.76		Dry	49.5	Weekly
	5/3/05	941.76		Dry	49.5	Weekly
	5/10/05	941.76		Dry	49.5	Monthly & Weekly
	5/17/05	941.76		Dry	49.5	Weekly
	5/24/05	941.76		Dry	49.5	Weekly
	5/31/05	941.76		Dry	49.5	Weekly
	6/7/05	941.76		Dry	49.5	Monthly & Weekly
	6/14/05	941.76		Dry	49.5	Weekly
	6/21/05	941.76		Dry	49.5	Weekly
	6/29/05	941.76		Dry	49.5	Weekly
	7/5/05	941.76		Dry	49.5	Monthly & Weekly
	7/12/05	941.76		Dry	49.5	Weekly
	7/19/05	941.76		Dry	49.5	Weekly
	7/29/05	941.76		Dry	49.5	Weekly
	8/2/05	941.76		Dry	49.5	Monthly & Weekly
	8/9/05	941.76		Dry	49.5	Weekly
	8/16/05	941.76		Dry	49.5	Weekly
	8/23/05	941.76		Dry	49.5	Weekly
	8/31/05	941.76		Dry	49.5	Weekly
	9/2/05	941.76		Dry	49.5	Monthly
	10/4/05	941.76		Dry	49.5	Monthly
	11/10/05	941.76		Dry	49.5	Monthly
	12/2/05	941.76		Dry	49.5	Monthly
PV-213T	1/5/05	909.22		Dry	15.5	Monthly & Weekly
	1/11/05	909.22		Dry	15.5	Weekly
	1/18/05	909.22		Dry	15.5	Weekly
	1/25/05	909.22		Dry	15.5	Weekly
	2/1/05	909.22		Dry	15.5	Monthly & Weekly
	2/8/05	909.22		Dry	15.5	Weekly
	2/15/05	909.22		Dry	15.5	Weekly
	3/1/05	909.22		Dry	15.5	Monthly
	4/6/05	909.22		Dry	15.5	Monthly
	4/28/05	909.22		Dry	15.5	Weekly
	5/3/05	909.22		Dry	15.5	Weekly
	5/10/05	909.22		Dry	15.5	Monthly & Weekly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-213T (cont.)	5/17/05	909.22		Dry	15.5	Weekly
	5/24/05	909.22		Dry	15.5	Weekly
	5/31/05	909.22		Dry	15.5	Weekly
	6/7/05	909.22		Dry	15.5	Monthly & Weekly
	6/14/05	909.22		Dry	15.5	Weekly
	6/21/05	909.22		Dry	15.5	Weekly
	6/29/05	909.22		Dry	15.5	Weekly
	7/5/05	909.22		Dry	15.5	Monthly & Weekly
	7/12/05	909.22		Dry	15.5	Weekly
	7/19/05	909.22		Dry	15.5	Weekly
	7/29/05	909.22		Dry	15.5	Weekly
	8/2/05	909.22		Dry	15.5	Monthly & Weekly
	8/9/05	909.22		Dry	15.5	Weekly
	8/16/05	909.22		Dry	15.5	Weekly
	8/23/05	909.22		Dry	15.5	Weekly
	8/31/05	909.22		Dry	15.5	Weekly
	9/2/05	909.22		Dry	15.5	Monthly
	10/4/05	909.22		Dry	15.5	Monthly
	11/18/05	909.22		Dry	15.5	Monthly
	12/1/05	909.22		Dry	15.5	Monthly
PV-214C	1/5/05	942.2		Dry	50.5	Monthly & Weekly
	1/11/05	942.2		Dry	50.5	Weekly
	1/18/05	942.2		Dry	50.5	Weekly
	1/25/05	942.2		Dry	50.5	Weekly
	2/1/05	942.2		Dry	50.5	Monthly & Weekly
	2/8/05	942.2		Dry	50.5	Weekly
	2/15/05	942.2		Dry	50.5	Weekly
	3/1/05	942.2		Dry	50.5	Monthly
	4/6/05	942.2		Dry	50.5	Monthly
	4/28/05	942.2		Dry	50.5	Weekly
	5/3/05	942.2		Dry	50.5	Weekly
	5/10/05	942.2		Dry	50.5	Monthly & Weekly
	5/17/05	942.2		Dry	50.5	Weekly
	5/24/05	942.2		Dry	50.5	Weekly
	5/31/05	942.2		Dry	50.5	Weekly
	6/7/05	942.2		Dry	50.5	Monthly & Weekly
	6/14/05	942.2		Dry	50.5	Weekly
	6/21/05	942.2		Dry	50.5	Weekly
	6/29/05	942.2		Dry	50.5	Weekly
	7/5/05	942.2		Dry	50.5	Monthly & Weekly
	7/12/05	942.2		Dry	50.5	Weekly
	7/19/05	942.2		Dry	50.5	Weekly
	7/29/05	942.2		Dry	50.5	Weekly
	8/2/05	942.2		Dry	50.5	Monthly & Weekly
	8/9/05	942.2		Dry	50.5	Weekly
	8/16/05	942.2		Dry	50.5	Weekly
	8/23/05	942.2		Dry	50.5	Weekly
	8/31/05	942.2		Dry	50.5	Weekly
	9/2/05	942.2		Dry	50.5	Monthly
	10/4/05	942.2		Dry	50.5	Monthly
	11/10/05	942.2		Dry	50.5	Monthly
	12/2/05	942.2		Dry	50.5	Monthly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-214T	1/5/05	907.15		Dry	15.5	Monthly & Weekly
	1/11/05	907.15		Dry	15.5	Weekly
	1/18/05	907.15		Dry	15.5	Weekly
	1/25/05	907.15		Dry	15.5	Weekly
	2/1/05	907.15		Dry	15.5	Monthly & Weekly
	2/8/05	907.15		Dry	15.5	Weekly
	2/15/05	907.15		Dry	15.5	Weekly
	3/1/05	907.15		Dry	15.5	Monthly
	4/5/05	907.15		Dry	15.5	Monthly
	4/28/05	907.15		Dry	15.5	Weekly
	5/3/05	907.15		Dry	15.5	Weekly
	5/10/05	907.15		Dry	15.5	Monthly & Weekly
	5/17/05	907.15		Dry	15.5	Weekly
	5/24/05	907.15		Dry	15.5	Weekly
	5/31/05	907.15		Dry	15.5	Weekly
	6/7/05	907.15		Dry	15.5	Monthly & Weekly
	6/14/05	907.15		Dry	15.5	Weekly
	6/21/05	907.15		Dry	15.5	Weekly
	6/29/05	907.15		Dry	15.5	Weekly
	7/5/05	907.15		Dry	15.5	Monthly & Weekly
	7/12/05	907.15		Dry	15.5	Weekly
	7/19/05	907.15		Dry	15.5	Weekly
	7/29/05	907.15		Dry	15.5	Weekly
	8/2/05	907.15		Dry	15.5	Monthly & Weekly
	8/9/05	907.15		Dry	15.5	Weekly
	8/16/05	907.15		Dry	15.5	Weekly
	8/23/05	907.15		Dry	15.5	Weekly
	8/31/05	907.15		Dry	15.5	Weekly
	9/2/05	907.15		Dry	15.5	Monthly
	10/4/05	907.15		Dry	15.5	Monthly
	11/18/05	907.15		Dry	15.5	Monthly
	12/1/05	907.15		Dry	15.5	Monthly
PV-215C	1/5/05	941.84		Dry	40.5	Monthly & Weekly
	1/11/05	941.84		Dry	40.5	Weekly
	1/18/05	941.84		Dry	40.5	Weekly
	1/25/05	941.84		Dry	40.5	Weekly
	2/1/05	941.84		Dry	40.5	Monthly & Weekly
	2/8/05	941.84		Dry	40.5	Weekly
	2/15/05	941.84		Dry	40.5	Weekly
	3/1/05	941.84		Dry	40.5	Monthly
	4/6/05	941.84		Dry	40.5	Monthly
	4/28/05	941.84		Dry	40.5	Weekly
	5/3/05	941.84		Dry	40.5	Weekly
	5/10/05	941.84		Dry	40.5	Monthly & Weekly
	5/17/05	941.84		Dry	40.5	Weekly
	5/24/05	941.84		Dry	40.5	Weekly
	5/31/05	941.84		Dry	40.5	Weekly
	6/7/05	941.84		Dry	40.5	Monthly & Weekly
	6/14/05	941.84		Dry	40.5	Weekly
	6/21/05	941.84		Dry	40.5	Weekly
	6/29/05	941.84		Dry	40.5	Weekly
	7/5/05	941.84		Dry	40.5	Monthly & Weekly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-215C (cont.)	7/12/05	941.84		Dry	40.5	Weekly
	7/19/05	941.84		Dry	40.5	Weekly
	7/29/05	941.84		Dry	40.5	Weekly
	8/2/05	941.84		Dry	40.5	Monthly & Weekly
	8/9/05	941.84		Dry	40.5	Weekly
	8/16/05	941.84		Dry	40.5	Weekly
	8/23/05	941.84		Dry	40.5	Weekly
	8/31/05	941.84		Dry	40.5	Weekly
	9/2/05	941.84		Dry	40.5	Monthly
	10/4/05	941.84		Dry	40.5	Monthly
	11/10/05	941.84		Dry	40.5	Monthly
	12/2/05	941.84		Dry	40.5	Monthly
PV-215T	1/5/05	917.13		Dry	15.5	Monthly & Weekly
	1/11/05	917.13		Dry	15.5	Weekly
	1/18/05	917.13		Dry	15.5	Weekly
	1/25/05	917.13		Dry	15.5	Weekly
	2/1/05	917.13		Dry	15.5	Monthly & Weekly
	2/8/05	917.13		Dry	15.5	Weekly
	2/15/05	917.13		Dry	15.5	Weekly
	3/1/05	917.13		Dry	15.5	Monthly
	4/6/05	917.13		Dry	15.5	Monthly
	4/28/05	917.13		Dry	15.5	Weekly
	5/3/05	917.13		Dry	15.5	Weekly
	5/10/05	917.13		Dry	15.5	Monthly & Weekly
	5/17/05	917.13		Dry	15.5	Weekly
	5/24/05	917.13		Dry	15.5	Weekly
	5/31/05	917.13		Dry	15.5	Weekly
	6/7/05	917.13		Dry	15.5	Monthly & Weekly
	6/14/05	917.13		Dry	15.5	Weekly
	6/21/05	917.13		Dry	15.5	Weekly
	6/29/05	917.13		Dry	15.5	Weekly
	7/5/05	917.13		Dry	15.5	Monthly & Weekly
	7/12/05	917.13		Dry	15.5	Weekly
	7/19/05	917.13		Dry	15.5	Weekly
	7/29/05	917.13		Dry	15.5	Weekly
	8/2/05	917.13		Dry	15.5	Monthly & Weekly
	8/9/05	917.13		Dry	15.5	Weekly
	8/16/05	917.13		Dry	15.5	Weekly
	8/23/05	917.13		Dry	15.5	Weekly
	8/31/05	917.13		Dry	15.5	Weekly
	9/2/05	917.13		Dry	15.5	Monthly
	10/4/05	917.13		Dry	15.5	Monthly
	11/18/05	917.13		Dry	15.5	Monthly
	12/1/05	917.13		Dry	15.5	Monthly
PV-216C	1/6/05	943		Dry	21	Monthly & Weekly
	1/11/05	943		Dry	21	Weekly
	1/18/05	943		Dry	21	Weekly
	1/25/05	943		Dry	21	Weekly
	2/1/05	943		Dry	21	Monthly & Weekly
	2/8/05	943		Dry	21	Weekly
	2/15/05	943		Dry	21	Weekly
	3/1/05	943		Dry	21	Monthly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-216C (cont.)	4/5/05	943		Dry	21	Monthly
	4/28/05	943		Dry	21	Weekly
	5/3/05	943		Dry	21	Weekly
	5/10/05	943		Dry	21	Weekly
	5/17/05	943		Dry	21	Weekly
	5/24/05	943		Dry	21	Weekly
	5/31/05	943		Dry	21	Weekly
	6/7/05	943		Dry	21	Monthly & Weekly
	6/14/05	943		Dry	21	Weekly
	6/21/05	943		Dry	21	Weekly
	6/29/05	943		Dry	21	Weekly
	7/5/05	943		Dry	21	Monthly & Weekly
	7/12/05	943		Dry	21	Weekly
	7/19/05	943		Dry	21	Weekly
	7/29/05	943		Dry	21	Weekly
	8/2/05	943		Dry	21	Monthly & Weekly
	8/9/05	943		Dry	21	Weekly
	8/16/05	943		Dry	21	Weekly
	8/23/05	943		Dry	21	Weekly
	8/31/05	943		Dry	21	Weekly
	9/2/05	943		Dry	21	Monthly
	10/4/05	943		Dry	21	Monthly
	11/10/05	943		Dry	21	Monthly
	12/1/05	943		Dry	21	Monthly
PV-217C	1/6/05	943		Dry	34	Monthly & Weekly
	1/11/05	943		Dry	34	Weekly
	1/18/05	943		Dry	34	Weekly
	1/25/05	943		Dry	34	Weekly
	2/1/05	943		Dry	34	Monthly & Weekly
	2/8/05	943		Dry	34	Weekly
	2/15/05	943		Dry	34	Weekly
	3/1/05	943		Dry	34	Monthly
	4/6/05	943		Dry	34	Monthly
	4/28/05	943		Dry	34	Weekly
	5/3/05	943		Dry	34	Weekly
	5/10/05	944		Dry	34	Monthly & Weekly
	5/17/05	944		Dry	34	Weekly
	5/24/05	944		Dry	34	Weekly
	5/31/05	944		Dry	34	Weekly
	6/7/05	944		Dry	34	Monthly & Weekly
	6/14/05	944		Dry	34	Weekly
	6/21/05	944		Dry	34	Weekly
	6/29/05	944		Dry	34	Weekly
	7/5/05	944		Dry	34	Monthly & Weekly
	7/12/05	944		Dry	34	Weekly
	7/19/05	944		Dry	34	Weekly
	7/29/05	944		Dry	34	Weekly
	8/2/05	944		Dry	34	Monthly & Weekly
	8/9/05	944		Dry	34	Weekly
	8/16/05	944		Dry	34	Weekly
	8/23/05	944		Dry	34	Weekly
	8/31/05	944		Dry	34	Weekly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-217C (cont.)	9/2/05	944		Dry	34	Monthly
	10/4/05	944		Dry	34	Monthly
	11/10/05	944		Dry	34	Monthly
	12/1/05	944		Dry	34	Monthly
PV-218C	1/6/05	943		Dry	34	Monthly & Weekly
	1/11/05	943		Dry	34	Weekly
	1/18/05	943		Dry	34	Weekly
	1/25/05	943		Dry	34	Weekly
	2/1/05	943		Dry	34	Monthly & Weekly
	2/8/05	943		Dry	34	Weekly
	2/15/05	943		Dry	34	Weekly
	3/1/05	943		Dry	34	Monthly
	4/6/05	943		Dry	34	Monthly
	4/28/05	943		Dry	34	Weekly
	5/3/05	943		Dry	34	Weekly
	5/10/05	943		Dry	34	Weekly
	5/17/05	943		Dry	34	Weekly
	5/24/05	943		Dry	34	Weekly
	5/31/05	943		Dry	34	Weekly
	6/7/05	943		Dry	34	Monthly & Weekly
	6/14/05	943		Dry	34	Weekly
	6/21/05	943		Dry	34	Weekly
	6/29/05	943		Dry	34	Weekly
	7/5/05	943		Dry	34	Monthly & Weekly
	7/12/05	943		Dry	34	Weekly
	7/19/05	943		Dry	34	Weekly
	7/29/05	943		Dry	34	Weekly
	8/2/05	943		Dry	34	Monthly & Weekly
	8/9/05	943		Dry	34	Weekly
	8/16/05	943		Dry	34	Weekly
	8/23/05	943		Dry	34	Weekly
	8/31/05	943		Dry	34	Weekly
	9/2/05	943		Dry	34	Monthly
	10/4/05	943		Dry	34	Monthly
	11/10/05	943		Dry	34	Monthly
	12/2/05	943		Dry	34	Monthly
PV-219C	1/6/05	943		Dry	25	Monthly & Weekly
	1/11/05	943		Dry	25	Weekly
	1/18/05	943		Dry	25	Weekly
	1/25/05	943		Dry	25	Weekly
	2/1/05	943		Dry	25	Monthly & Weekly
	2/8/05	943		Dry	25	Weekly
	2/15/05	943		Dry	25	Weekly
	3/1/05	943		Dry	25	Monthly
	4/6/05	943		Dry	25	Monthly
	4/28/05	943		Dry	25	Weekly
	5/3/05	943		Dry	25	Weekly
	5/10/05	943		Dry	25	Monthly & Weekly
	5/17/05	943		Dry	25	Weekly
	5/24/05	943		Dry	25	Weekly
	5/31/05	943		Dry	25	Weekly
	6/7/05	943		Dry	25	Monthly & Weekly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE . LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-219C (cont.)	6/14/05	943		Dry	25	Weekly
	6/21/05	943		Dry	25	Weekly
	6/29/05	943		Dry	25	Weekly
	7/5/05	943		Dry	25	Monthly & Weekly
	7/12/05	943		Dry	25	Weekly
	7/19/05	943		Dry	25	Weekly
	7/29/05	943		Dry	25	Weekly
	8/2/05	943		Dry	25	Monthly & Weekly
	8/9/05	943		Dry	25	Weekly
	8/16/05	943		Dry	25	Weekly
	8/23/05	943		Dry	25	Weekly
	8/31/05	943		Dry	25	Weekly
	9/2/05	943		Dry	25	Monthly
	10/4/05	943		Dry	25	Monthly
	11/10/05	943		Dry	25	Monthly
	12/1/05	943		Dry	25	Monthly
PV-220C	1/6/05	943		Dry	25	Monthly & Weekly
	1/11/05	943		Dry	25	Weekly
	1/18/05	943		Dry	25	Weekly
	1/25/05	943		Dry	25	Weekly
	2/1/05	943		Dry	25	Monthly & Weekly
	2/8/05	943		Dry	25	Weekly
	2/15/05	943		Dry	25	Weekly
	3/1/05	943		Dry	25	Monthly
	4/6/05	943		Dry	25	Monthly
	4/28/05	943		Dry	25	Weekly
	5/3/05	943		Dry	25	Weekly
	5/10/05	943		Dry	25	Weekly
	5/17/05	943		Dry	25	Weekly
	5/24/05	943		Dry	25	Weekly
	5/31/05	943		Dry	25	Weekly
	6/7/05	943		Dry	25	Monthly & Weekly
	6/14/05	943		Dry	25	Weekly
	6/21/05	943		Dry	25	Weekly
	6/29/05	943		Dry	25	Weekly
	7/5/05	943		Dry	25	Monthly & Weekly
	7/12/05	943		Dry	25	Weekly
	7/19/05	943		Dry	25	Weekly
	7/29/05	943		Dry	25	Weekly
	8/2/05	943		Dry	25	Monthly & Weekly
	8/9/05	943		Dry	25	Weekly
	8/16/05	943		Dry	25	Weekly
	8/23/05	943		Dry	25	Weekly
	8/31/05	943		Dry	25	Weekly
	9/2/05	943		Dry	25	Monthly
	10/4/05	943		Dry	25	Monthly
	11/10/05	943		Dry	25	Monthly
	12/1/05	943		Dry	25	Monthly
PV-221C	1/6/05	943		Dry	17	Monthly & Weekly
	1/11/05	943		Dry	17	Weekly
	1/18/05	943		Dry	17	Weekly
	1/25/05	943		Dry	17	Weekly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-221C (cont.)	2/1/05	943		Dry	17	Monthly & Weekly
	2/8/05	943		Dry	17	Weekly
	2/15/05	943		Dry	17	Weekly
	3/1/05	943		Dry	17	Monthly
	4/6/05	943		Dry	17	Monthly
	4/28/05	943		Dry	17	Weekly
	5/3/05	943		Dry	17	Weekly
	5/10/05	944		Dry	17	Monthly & Weekly
	5/17/05	944		Dry	17	Weekly
	5/24/05	944		Dry	17	Weekly
	5/31/05	944		Dry	17	Weekly
	6/7/05	944		Dry	17	Monthly & Weekly
	6/14/05	944		Dry	17	Weekly
	6/21/05	944		Dry	17	Weekly
	6/29/05	944		Dry	17	Weekly
	7/5/05	944		Dry	17	Monthly & Weekly
	7/12/05	944		Dry	17	Weekly
	7/19/05	944		Dry	17	Weekly
	7/29/05	944		Dry	17	Weekly
	8/2/05	944		Dry	17	Monthly & Weekly
	8/9/05	944		Dry	17	Weekly
	8/16/05	944		Dry	17	Weekly
	8/23/05	944		Dry	17	Weekly
	8/31/05	944		Dry	17	Weekly
	9/2/05	944		Dry	17	Monthly
	10/4/05	944		Dry	17	Monthly
	11/10/05	944		Dry	17	Monthly
	12/1/05	944		Dry	17	Monthly
PV-222C	1/6/05	943		Dry	17	Monthly & Weekly
	1/11/05	943		Dry	17	Weekly
	1/15/05	943		Dry	17	Weekly
	1/25/05	943		Dry	17	Weekly
	2/1/05	943		Dry	17	Monthly & Weekly
	2/8/05	943		Dry	17	Weekly
	2/15/05	943		Dry	17	Weekly
	3/1/05	943		Dry	17	Monthly
	4/6/05	943		Dry	17	Monthly
	4/28/05	943		Dry	17	Weekly
	5/3/05	943		Dry	17	Weekly
	5/10/05	943		Dry	17	Monthly & Weekly
	5/17/05	943		Dry	17	Weekly
	5/24/05	943		Dry	17	Weekly
	5/31/05	943		Dry	17	Weekly
	6/7/05	943		Dry	17	Monthly & Weekly
	6/14/05	943		Dry	17	Weekly
	6/21/05	943		Dry	17	Weekly
	6/29/05	943		Dry	17	Weekly
	7/5/05	943		Dry	17	Monthly & Weekly
	7/12/05	943		Dry	17	Weekly
	7/19/05	943		Dry	17	Weekly
	7/29/05	943		Dry	17	Weekly
	8/2/05	943		Dry	17	Monthly & Weekly

TABLE 2A-1. PIEZOMETER WATER LEVEL SUMMARY TABLE

SAMPLE LOCATION	DATE MEASURED	ELEVATION TOP OF CASING	MEASURED DEPTH TO WATER	ELEVATION WATER LAVEL	ALERT LEVEL DTW	TYPE OF MEASUREMENT
PV-222C (cont.)	8/9/05	943		Dry	17	Weekly
	8/16/05	943		Dry	17	Weekly
	8/23/05	943		Dry	17	Weekly
	8/31/05	943		Dry	17	Weekly
	9/2/05	943		Dry	17	Monthly
	10/4/05	943		Dry	17	Monthly
	11/10/05	943		Dry	17	Monthly
	12/1/05	943		Dry	17	Monthly
PV-223C	1/6/05	943		Dry	21.5	Monthly & Weekly
	1/11/05	943		Dry	21.5	Weekly
	1/15/05	943		Dry	21.5	Weekly
	1/25/05	943		Dry	21.5	Weekly
	2/1/05	943		Dry	21.5	Monthly & Weekly
	2/8/05	943		Dry	21.5	Weekly
	2/15/05	943		Dry	21.5	Weekly
	3/1/05	943		Dry	21.5	Monthly
	4/6/05	943		Dry	21.5	Monthly
	4/28/05	943		Dry	21.5	Weekly
	5/3/05	943		Dry	21.5	Weekly
	5/10/05	943		Dry	21.5	Monthly & Weekly
	5/17/05	943		Dry	21.5	Weekly
	5/24/05	943		Dry	21.5	Weekly
	5/31/05	943		Dry	21.5	Weekly
	6/7/05	943		Dry	21.5	Monthly & Weekly
	6/14/05	943		Dry	21.5	Weekly
	6/21/05	943		Dry	21.5	Weekly
	6/29/05	943		Dry	21.5	Weekly
	7/5/05	943		Dry	21.5	Monthly & Weekly
	7/12/05	943		Dry	21.5	Weekly
	7/19/05	943		Dry	21.5	Weekly
	7/29/05	943		Dry	21.5	Weekly
	8/2/05	943		Dry	21.5	Monthly & Weekly
	8/9/05	943		Dry	21.5	Weekly
	8/16/05	943		Dry	21.5	Weekly
	8/23/05	943		Dry	21.5	Weekly
	8/31/05	943		Dry	21.5	Weekly
	9/2/05	943		Dry	21.5	Monthly
	10/4/05	943		Dry	21.5	Monthly
	11/10/05	943		Dry	21.5	Monthly
	12/1/05	943		Dry	21.5	Monthly

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 2005							
Response Level*		**<4, >11**	**NE**	**700**	**3,000**	**18**	**15**
AWQS		**NE**	**NE**	**NE**	**20,000**	**110**	**200**

*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 (12/17/03 TBL 11)	ALERT LEVEL (6/24/05 TBL 11)	5/11/2005 ANNUAL
Acenaphthalyene	mg/L	NE			<0.010
Acenaphthene	mg/L	NE			<0.010
Anthracene	mg/L	NE			<0.010
1,1-Dichloroethene	mg/L	0.007			<0.005
1,2-Dichloroethane	mg/L	0.005			<0.005
Benzene	mg/L	0.005			<0.005
Benzo (a) anthracene	mg/L	NE			<0.010
Benzo (a) pyrene	mg/L	NE			<0.010
Benzo (b) fluoranthene	mg/L	NE			<0.010
Benzo (ghi) perylene	mg/L	NE			<0.010
Bis (2-ethylhexyl) phthalate	mg/L	0.006			<0.010
Boron	mg/L	NE	NA	2.37	3.200
Chloride	mg/L	NE			240
Chrysene	mg/L	NE			<0.010
Dibenzo (a,h) anthracene	mg/L	NE			<0.010
Ethylbenzene	mg/L	0.7			<0.005
Fluoranthene	mg/L	NE			<0.010
Fluorene	mg/L	NE			<0.010
Fluoride	mg/L	4.0	NA	8.0	5.2
Indeno (1,2,3-cd) pyrene	mg/L	NE			<0.010
Naphthalene	mg/L	NE			<0.010
Nickel	mg/L	0.1			<0.040
Phenanthrene	mg/L	NE			<0.010
Potassium	mg/L	NE	NA	11.68	<3.000
Pyrene	mg/L	NE			<0.010
Specific Conductance	umhos/cm	NE			
Tetrachloroethene	mg/L	0.005			<0.005
Toluene	mg/L	1			<0.005
Total Trihalomethanes	mg/L	0.1			0.062
Trichloroethene	mg/L	0.005			<0.005
Vinyl chloride	mg/L	0.002			<0.010
Xylenes (Total)	mg/L	10			<0.010

< = Less than the indicated reporting limit
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
NE = Not established

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
1/14/2005	9.49	0.71	35.477	<=42.994	<=39.466	<=38.269	<=81.058	<=28.177	<=27.984	<=20.426	<=72.445	<=35.477	<=42.994	<=39.466
3/1/2005	9.54	0.3	25.189	<=43.925	<=35.101	<=32.054	<=40.014	<=22.335	<=28.692	<=18.758	<=16.592	<=25.189	<=43.925	<=35.101
3/3/2005	9.3	0.7	45.802	<=55.19	<=46.915	<=48.103	<=24.068	<=28.019	<=28.815	<=15.032	<=27.129	<=45.802	<=55.19	<=46.915
3/5/2005	9.59	0.32	<=28.994	<=42.926	<=31.716	<=40.824	<=40.02	<=27.807	<=19.633	<=16.934	<=71.02	<=28.994	<=42.926	<=31.716
3/8/2005	9.81	0.74	28.213	<=55.191	<=11.852	<=51.747	<=65.513	<=19.02	<=42.158	<=14.793	<=67.3	<=28.213	<=55.191	<=11.852
3/10/2005	9.66	1.52	35.006	<=45.659	<=47.839	<=31.413	<=14.662	<=20.539	<=35.398	<=19.542	<=73.458	<=35.006	<=45.659	<=47.839
3/12/2005	9.43	0.3	35.585	<=16.076	<=40.686	<=34.071	<=95.761	<=22.883	<=36.361	<=14.271	<=73.8	<=35.585	<=16.076	<=40.686
3/15/2005	9.41	1.53	35.587	<=43.734	<=47.167	<=55.098	<=65.465	<=19.852	<=36.362	<=16.294	<=73.802	<=35.587	<=43.734	<=47.167
3/18/2005	9.57	0.02	<=25.873	<=39.365	<=38.688	<=29.279	<=65.328	<=21.756	<=25.374	<=20.538	<=56.963	<=25.873	<=39.365	<=38.688
3/20/2005	9.47	0.02	30.682	<=9.8912	<=37.76	<=33.181	<=58.555	<=24.977	<=25.715	<=17.622	<=64.511	<=30.682	<=9.8912	<=37.76
3/22/2005	9.41	0.71	35.258	<=55.19	<=40.687	<=34.071	<=65.485	<=25.934	<=10.592	<=18.01	<=73.806	<=35.258	<=55.19	<=40.687
3/24/2005	9.6	0.4	21.956	<=39.366	<=31.718	<=37.877	<=50.556	<=26.341	<=26.975	<=20.12	<=76.087	<=21.956	<=39.366	<=31.718
3/25/2005	9.42	0.42	<=25.189	<=33.957	<=48.297	<=36.124	<=50.497	<=33.868	<=33.689	<=14.37	<=56.962	<=25.189	<=33.957	<=48.297
4/5/2005	9.56	1.61	28.467	<=28.813	<=31.06	<=36.679	<=62.783	<=14.326	<=26.744	<=17.359	<=48.401	<=28.467	<=28.813	<=31.06
4/6/2005	9.77	0.5	25.189	<=9.8911	<=32.16	<=36.982	<=59.373	<=28.867	<=35.353	<=15.39	<=66.237	<=25.189	<=9.8911	<=32.16
4/8/2005	9.42	1.5	34.329	<=16.077	<=46.918	<=56.334	<=65.548	<=22.114	<=28.819	<=15.608	<=93.156	<=34.329	<=16.077	<=46.918
4/12/2005	9.28	1	21.375	<=36.36	<=31.06	<=26.449	<=42.913	<=17.705	<=18.926	<=15.347	<=48.401	<=21.375	<=36.36	<=31.06
4/15/2005	9.39	1.44	28.201	<=43.734	<=52.63	<=315.8	<=24.065	<=25.896	35.474	<=20.892	<=75.156	<=28.201	<=43.734	<=52.63
4/18/2005	9.34	0.69	28.198	<=55.19	<=40.686	<=224	<=24.061	<=31.677	36.188	<=15.849	<=27.128	<=28.198	<=55.19	<=40.686
4/21/2005	9.29	0.8	30.677	<=26.449	<=35.732	<=92.99	<=65.319	<=31.078	23.507	<=18.878	<=49.655	<=30.677	<=26.449	<=35.732
4/24/2005	9.69	0.54	28.112	<=39.103	<=27.868	<=50.04	<=53.931	<=26.125	28.694	<=19.069	<=45.14	<=28.112	<=39.103	<=27.868
4/26/2005	9.4	0.65	37.133	<=33.957	<=40.206	<=42.785	<=50.51	<=24.023	<=28.694	<=19.602	<=79.251	<=37.133	<=33.957	<=40.206
4/30/2005	9.3	0.47	20.73	<=28.813	<=7.8044	<=46.253	<=54.174	<=23.42	<=23.885	<=19.473	<=66.608	<=20.73	<=28.813	<=7.8044
5/3/2005	9.29	0.34	<=21.729	<=47.535	<=37.399	<=34.92	<=50.5	<=30.667	37.901	<=18.343	<=55.078	<=21.729	<=47.535	<=37.399
5/7/2005	9.16	0.59	21.732	<=33.957	<=19.701	<=37.935	<=71.315	<=21.871	<=26.971	<=17.107	<=55.08	<=21.732	<=33.957	<=19.701
5/10/2005	9.98	6.3	38.998	<=39.365	<=34.369	<=31.509	<=80.293	<=22.325	<=21.973	<=18.054	<=72.368	<=38.998	<=39.365	<=34.369
5/14/2005	9.51	2.7	35.595	<=16.076	<=46.916	<=58.75	<=56.723	<=33.011	10.592	<=15.952	<=108.76	<=35.595	<=16.076	<=46.916
5/18/2005	9.36	9.7	<=35.591	<=47.051	<=32.16	<=41.225	<=44.658	<=19.732	<=33.57	<=21.51	<=63.351	<=35.591	<=47.051	<=32.16
5/21/2005	9.4	2.34	28.199	<=43.734	<=52.629	<=66.553	<=91.09	<=23.533	<=10.592	<=12.106	<=67.29	<=28.199	<=43.734	<=52.629
5/24/2005	9.22	2.36	35.586	<=43.734	<=32.24	<=55.098	<=82.61	<=44.351	<=10.592	<=16.798	<=73.801	<=35.586	<=43.734	<=32.24
5/27/2005	9.81	3.14	<=31.21	<=33.957	<=48.298	<=51.944	<=61.376	<=26.327	<=25.714	<=18.639	<=56.962	<=31.21	<=33.957	<=48.298
5/29/2005	9.74	1.23	29.066	<=67.9	<=33.217	<=52.704	<=68.521	<=33.986	<=29.728	<=12.066	<=77.338	<=29.066	<=67.9	<=33.217
6/2/2005	9.76	3.4	<=34.535	<=42.994	<=31.274	<=56.407	<=93.966	<=28.18	<=35.544	<=13.524	<=91.421	<=34.535	<=42.994	<=31.274
6/5/2005	9.29	0.99	31.241	<=46.724	<=41.621	<=40.529	<=67.204	<=29.396	<=38.501	<=23.782	<=42.115	<=31.241	<=46.724	<=41.621
6/10/2005	9.46	2.6	10.685	<=69.171	<=41.919	<=52.748	<=25.19	<=23.141	<=42.891	<=15.798	<=28.429	<=10.685	<=69.171	<=41.919
6/14/2005	9.37	2.5	34.648	<=40.002	<=33.089	<=36.09	<=55.377	<=26.751	<=35.399	<=20.197	<=62.154	<=34.648	<=40.002	<=33.089
6/18/2005	9.55	1.2	34.536	<=42.994	<=45.63	<=38.269	<=81.058	<=26.812	<=10.287	<=16.473	<=26.63	<=34.536	<=42.994	<=45.63
6/22/2005	9.42	1.75	<=27.362	<=15.804	<=39.465	<=38.821	<=93.697	<=30.571	<=40.847	<=18.995	<=105.98	<=27.362	<=15.804	<=39.465
6/26/2005	9.37	1.5	<=31.821	<=15.804	<=11.496	<=57.497	<=100.81	<=34.49	<=41.336	<=17.63	<=105.98	<=31.821	<=15.804	<=11.496
6/29/2005	8.95	0.28	26.304	<=44.454	<=39.498	<=33	<=62.531	<=23.341	<=36.624	<=19.378	<=83.693	<=26.304	<=44.454	<=39.498
7/2/2005	9.37	5.3	48.752	<=15.804	<=51.051	<=47.46	<=81.039	<=22.715	<=45.68	<=19.988	<=129.43	<=48.752	<=15.804	<=51.051
7/5/2005	9.24	0.94	30.24	<=26.84	<=31.68	<=29.201	<=65.098	<=19.62	<=25.374	<=17.408	<=62.148	<=30.24	<=26.84	<=31.68
7/9/2005	9.08	2	<=51.596	<=15.804	<=51.051	<=38.269	<=23.608	<=30.104	<=41.639	<=18.509	<=72.443	<=51.596	<=15.804	<=51.051
7/13/2005	9.47	5.5	40.035	<=62.898	<=50.946	<=26.159	<=55.406	<=28.832	<=36.275	<=18.787	<=105.98	<=40.035	<=62.898	<=50.946
7/17/2005	9.55	6.1	<=34.547	<=54.257	<=39.467	<=54.984	<=64.266	<=26.188	<=35.317	<=15.752	<=72.452	<=34.547	<=54.257	<=39.467
7/20/2005	9.35	0.4	34.531	<=54.256	<=45.751	<=88.94	<=81.04	<=28.705	35.313	<=20.424	<=26.629	<=34.531	<=54.256	<=45.751
7/25/2005	9.82	3.7	27.368	<=42.994	<=31.274	<=39.487	<=64.238	<=28.221	<=27.984	<=17.08	<=91.998	<=27.368	<=42.994	<=31.274
7/28/2005	9.89	3.3	27.369	<=62.898	<=45.752	<=47.036	<=64.239	<=30.042	<=40.94	<=18.203	<=72.446	<=27.369	<=62.898	<=45.752

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
8/1/2005	9.66	4.1	<=32.531	<=33.871	<=24.49	<=31.413	<=39.878	<=20.007	<=46.653	<=18.549	<=70.298	<=32.531	<=33.871	<=24.49
8/4/2005	9.7	3.42	<=34.543	<=15.804	<=31.274	<=64.483	<=98.171	<=26.747	<=36.744	<=20.275	<=26.631	<=34.543	<=15.804	<=31.274
8/7/2005	9.64	2.1	47.369	<=75.765	<=41.871	<=27.764	<=25.189	<=15.887	<=10.928	<=18.533	<=28.429	<=47.369	<=75.765	<=41.871
8/11/2005	9.65	2.7	40.031	<=62.898	<=45.751	<=38.269	<=64.219	<=21.077	<=40.847	<=20.752	<=72.442	<=40.031	<=62.898	<=45.751
8/15/2005	9.52	3.41	<=26.561	<=35.924	<=20.734	<=31.357	<=15.512	<=28.193	<=18.495	<=17.227	<=48.148	<=26.561	<=35.924	<=20.734
8/18/2005	9.7	12.3	38.968	<=42.994	<=50.946	<=33.011	<=81.045	<=21.997	<=27.983	<=17.067	<=105.98	<=38.968	<=42.994	<=50.946
8/22/2005	8.99	0.13	40.773	<=54.256	<=45.752	<=42.702	<=23.608	<=32.429	<=10.286	<=16.672	<=72.443	<=40.773	<=54.256	<=45.752
8/26/2005	8.67	0.03	33.218	<=42.994	<=45.752	<=38.269	<=64.229	<=29.919	<=45.681	<=18.72	<=26.63	<=33.218	<=42.994	<=45.752
8/29/2005	9.53	11.8	27.366	<=42.994	<=39.004	<=46.608	<=23.61	<=26.804	<=49.718	<=17.809	<=72.366	<=27.366	<=42.994	<=39.004
8/31/2005	10.07	1.4	34.533	<=56.522	<=45.752	<=38.821	<=100.81	<=22.002	<=40.938	<=16.85	<=105.98	<=34.533	<=56.522	<=45.752
9/4/2005	9.54	1.2	40.036	<=62.898	<=45.63	<=53.385	<=75.196	<=29.26	<=28.663	<=18.404	<=72.444	<=40.036	<=62.898	<=45.63
9/7/2005	9.76	5.7	<=30.24	<=47.821	<=24.288	<=35.341	<=52.363	<=29.61	<=30.903	<=20.118	<=76.463	<=30.24	<=47.821	<=24.288
9/12/2005	9.81	1	<=34.531	<=54.256	<=45.63	<=43.762	<=80.736	<=28.441	<=45.68	<=16.424	<=91.307	<=34.531	<=54.256	<=45.63
9/16/2005	10.01	4.93	29.067	<=82.694	<=33.217	<=49.468	<=56.293	<=19.896	<=37.516	<=13.836	<=97.598	<=29.067	<=82.694	<=33.217
9/20/2005	9.68	2.1	32.196	<=56.905	<=50.373	<=46.245	<=67.851	<=36.159	<=38.501	<=20.779	<=67.658	<=32.196	<=56.905	<=50.373
9/24/2005	9.33	1.08	40.036	<=62.898	<=45.63	<=47.036	<=64.232	<=21.725	<=27.984	<=20.028	<=105.94	<=40.036	<=62.898	<=45.63
9/27/2005	9.73	3	27.365	<=15.804	<=31.273	<=50.138	<=75.192	<=19.699	<=35.203	<=15.217	<=26.63	<=27.365	<=15.804	<=31.273
10/1/2005	9.9	4.4	40.039	<=56.522	<=11.496	<=53.748	<=23.613	<=34.101	<=35.581	<=17.314	<=72.446	<=40.039	<=56.522	<=11.496
10/5/2005	9.7	2.27	49.443	<=54.256	<=39.465	<=53.385	<=23.607	<=23.757	<=10.286	<=19.756	<=91.419	<=49.443	<=54.256	<=39.465
10/9/2005	9.77	2.7	35.609	<=62.898	<=45.752	<=50.138	<=81.05	<=30.695	<=10.286	<=18.501	<=72.444	<=35.609	<=62.898	<=45.752
10/12/2005	9.28	0.2	29.07	<=75.765	<=33.218	<=56.188	<=68.538	<=27.123	<=10.928	<=17.068	<=113.15	<=29.07	<=75.765	<=33.218
10/14/2005	9.73	0.12	29.073	<=75.766	<=33.218	<=45.323	<=25.197	<=30.273	<=37.517	<=19.64	<=124.03	<=29.073	<=75.766	<=33.218
10/17/2005	9.6	1.8	26.681	<=28.813	<=34.767	<=18.079	<=55.273	<=19.533	<=32.297	<=14.521	<=79.015	<=26.681	<=28.813	<=34.767
10/20/2005	8.72	0.09	<=34.535	<=42.994	<=39.466	<=42.702	<=81.056	<=23.441	<=41.336	<=18.725	<=138.82	<=34.535	<=42.994	<=39.466
10/23/2005	9.65	2.5	24.836	<=47.822	<=34.578	<=36.726	<=50.342	<=17.491	<=21.889	<=17.625	<=91.837	<=24.836	<=47.822	<=34.578
10/27/2005	9.74	1.5	<=25.779	<=9.8661	<=28.391	<=38.801	<=58.34	<=19.838	<=33.515	<=20.178	<=80.173	<=25.779	<=9.8661	<=28.391
10/30/2005	9.81	3.5	<=27.379	<=54.257	<=39.468	<=50.53	<=48.228	<=26.694	<=46.03	<=17.65	<=91.434	<=27.379	<=54.257	<=39.468
11/3/2005	9.68	5.5	28.533	<=54.775	<=31.68	<=31.413	<=46.593	<=26.558	<=23.66	<=16.102	<=56.785	<=28.533	<=54.775	<=31.68
11/7/2005	9.83	3	27.364	<=62.898	<=39.465	<=50.138	<=23.607	<=18.973	<=35.313	<=21.689	<=72.443	<=27.364	<=62.898	<=39.465
11/11/2005	9.66	1.7	34.536	<=73.216	<=50.946	<=39.487	<=64.234	<=26.817	<=49.859	<=20.119	<=72.445	<=34.536	<=73.216	<=50.946
11/14/2005	9.53	1.38	47.46	<=46.413	<=33.151	<=70.307	<=78.561	<=21.806	<=10.928	<=19.051	<=77.344	<=47.46	<=46.413	<=33.151
11/17/2005	9.29	2.4	10.685	<=75.765	<=12.21	<=42.749	<=68.526	<=32.704	<=28.668	<=15.452	<=28.429	<=10.685	<=75.765	<=12.21
11/20/2005	9.68	2.7	27.367	<=54.256	<=31.274	<=33.684	<=75.197	<=32.447	<=35.314	<=20.498	<=73.254	<=27.367	<=54.256	<=31.274
11/24/2005	9.9	3.9	47.935	<=56.522	<=39.465	<=33.684	<=81.042	<=24.539	<=35.313	<=20.785	<=118.26	<=47.935	<=56.522	<=39.465
11/29/2005	9.74	2.5	22.566	<=26.84	<=44.721	<=16.389	<=65.094	<=26.027	<=28.313	<=19.154	<=56.784	<=22.566	<=26.84	<=44.721
12/3/2005	9.45	1.5	33.31	<=41.378	<=29.85	<=31.101	<=39.876	<=21.08	<=35.648	<=19.088	<=81.538	<=33.31	<=41.378	<=29.85
12/7/2005	9.6	1.76	27.366	<=29.198	<=39.466	<=53.385	<=23.609	<=26.102	<=45.681	<=15.204	<=74.049	<=27.366	<=29.198	<=39.466
12/10/2005	8.88	5.67	44.675	<=54.256	<=31.063	<=50.138	<=23.612	<=23.785	<=53.508	<=17.304	<=91.423	<=44.675	<=54.256	<=31.063
12/13/2005	9.6	0.9	33.218	<=42.994	<=45.63	<=39.487	<=64.229	<=32.352	<=27.984	<=16.454	<=91.421	<=33.218	<=42.994	<=45.63
12/16/2005	9.69	0.62	<=41.813	<=15.804	<=45.634	<=50.918	<=23.64	<=23.944	<=40.946	<=16.757	<=26.636	<=41.813	<=15.804	<=45.634
12/19/2005	9.96	0.16	29.069	<=46.413	<=54.191	<=40.618	<=44.607	<=27.523	<=37.581	<=16.807	<=96.6	<=29.069	<=46.413	<=54.191
12/22/2005	9.85	0.07	41.679	<=31.938	<=44.774	<=41.493	<=82.164	<=27.331	<=31.904	<=20.055	<=78.431	<=41.679	<=31.938	<=44.774
12/26/2005	9.59	0.7	30.983	<=43.814	<=28.391	<=33.159	<=65.837	<=23.667	<=33.244	<=19.249	<=65.852	<=30.983	<=43.814	<=28.391
12/31/2005	9.61	0.02	31.402	<=39.266	<=39.498	<=43.069	<=80.052	<=20.943	<=17.345	<=21.033	<=94.831	<=31.402	<=39.266	<=39.498
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-3. WEST RETENTION BASIN INORGANIC AND ORGANIC DATA

PARAMETER	UNITS	AWQS	ALERT LEVEL (12/17/03 TBL 11)	ALERT LEVEL (6/24/05 TBL 11)	5/11/2005 ANNUAL
Acenaphthalyene	mg/L	NE			<0.010
Acenaphthene	mg/L	NE			<0.010
Anthracene	mg/L	NE			<0.010
1,1-Dichloroethene	mg/L	0.007			<0.0050
1,2-Dichloroethane	mg/L	0.005			<0.0050
Benzene	mg/L	0.005			<0.0050
Benzo (a) anthracene	mg/L	NE			<0.010
Benzo (a) pyrene	mg/L	NE			<0.010
Benzo (b) fluoranthene	mg/L	NE			<0.010
Benzo (ghi) perylene	mg/L	NE			<0.010
Bis (2-ethylhexyl) phthalate	mg/L	0.006			<0.010
Boron	mg/L	NE	NA	2.37	6.000
Chloride	mg/L	NE			160
Chrysene	mg/L	NE			<0.010
Dibenzo (a,h) anthracene	mg/L	NE			<0.010
Ethylbenzene	mg/L	0.7			<0.0050
Fluoranthene	mg/L	NE			<0.010
Fluorene	mg/L	NE			<0.010
Fluoride	mg/L	4.0	NA	8.0	<5.0
Indeno (1,2,3-cd) pyrene	mg/L	NE			<0.010
Naphthalene	mg/L	NE			<0.010
Nickel	mg/L	0.1			<0.040
Phenanthrene	mg/L	NE			<0.010
Potassium	mg/L	NE	NA	11.68	<3.000
Pyrene	mg/L	NE			<0.010
Specific Conductance	umhos/cm	NE			
Tetrachloroethene	mg/L	0.005			<0.0050
Toluene	mg/L	1			<0.0050
Total Trihalomethanes	mg/L	0.1			0.047
Trichloroethene	mg/L	0.005			<0.0050
Vinyl chloride	mg/L	0.002			<0.010
Xylenes (Total)	mg/L	10			<0.010

< = Less than the indicated reporting limit
AWQS = Aquifer water quality standard
mg/L = milligrams per liter
NE = Not established
umhos/com = micro mhos per centimeter

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
1/1/2005	9.16	0.2	<=25.889	<=42.693	<=36.116	<=32.054	<=50.553	<=22.382	<=25.549	<=19.262	<=42.412	<=25.889	<=42.693	<=36.116
1/3/2005	9.29	0	<=10.368	<=16.076	<=40.378	<=48.103	<=65.486	<=18.976	<=28.815	<=18.784	<=27.13	<=10.368	<=16.076	<=40.378
1/5/2005	9.4	0.1	<=27.14	<=47.034	<=33.573	<=26.449	<=54.168	<=22.05	<=27.689	<=17.062	<=48.403	<=27.14	<=47.034	<=33.573
1/7/2005	9.72	2.41	18.55	<=10.591	<=48.084	<=38.985	<=54.158	<=22.896	<=27.689	<=15.759	<=48.402	<=18.55	<=10.591	<=48.084
1/9/2005	9.61	0.02	<=40.765	<=39.365	<=35.101	<=37.492	<=44.661	<=24.626	<=28.693	<=17.359	<=16.592	<=40.765	<=39.365	<=35.101
1/11/2005	9.64	1.8	27.171	<=33.957	<=24.862	<=34.196	<=58.547	<=28.166	<=33.45	<=17.599	<=56.963	<=27.171	<=33.957	<=24.862
1/14/2005	9.26	0.3	25.193	<=54.571	<=34.705	<=35.112	<=67.811	<=24.449	<=23.697	<=18.455	<=73.687	<=25.193	<=54.571	<=34.705
1/16/2005	9.62	1.1	27.408	<=47.034	<=36.861	<=32.212	<=54.165	<=18.447	<=6.9573	<=16.368	<=17.792	<=27.408	<=47.034	<=36.861
1/19/2005	9.45	2	<=18.364	<=26.908	<=34.705	<=35.591	<=40.026	<=22.278	<=37.314	<=20.151	<=71.022	<=18.364	<=26.908	<=34.705
1/23/2005	9.42	1.99	<=34.533	<=42.994	<=55.72	<=50.138	<=90.64	<=32.97	<=44.102	<=18.836	<=91.42	<=34.533	<=42.994	<=55.72
1/26/2005	9.43	1.43	10.059	<=44.577	<=51.051	<=50.138	<=23.61	<=23.737	<=45.681	<=20.338	<=91.421	<=10.059	<=44.577	<=51.051
1/28/2005	9.35	0.3	<=28.993	<=39.365	<=36.114	<=29.279	<=57.284	<=26.404	<=31.317	<=20.229	<=79.248	<=28.993	<=39.365	<=36.114
1/30/2005	9.01	1.06	28.204	<=16.076	<=31.802	<=51.747	<=82.63	<=31.045	<=36.363	<=16.641	<=93.138	<=28.204	<=16.076	<=31.802
1/31/2005	9.61	2.4	28.207	<=43.734	<=32.241	<=48.103	<=76.815	<=23.595	<=28.815	<=18.525	<=93.141	<=28.207	<=43.734	<=32.241
2/2/2005	9.79	2.3	25.876	<=43.925	<=33.288	<=29.797	<=65.341	<=21.579	<=36.602	<=20.004	<=68.777	<=25.876	<=43.925	<=33.288
2/4/2005	9.67	2.9	22.276	<=36.361	<=26.795	<=36.948	<=56.42	<=24.11	<=30.089	<=17.197	<=17.797	<=22.276	<=36.361	<=26.795
2/6/2005	9.67	2.6	32.329	<=28.467	<=20.734	<=28.795	<=71.604	<=19.026	<=23.138	<=19.341	<=69.657	<=32.329	<=28.467	<=20.734
2/8/2005	9.54	1.2	30.279	<=42.151	<=40.693	<=26.116	<=65.782	<=22.436	<=30.082	<=13.7	<=61.08	<=30.279	<=42.151	<=40.693
2/10/2005	9.64	1.5	31.61	<=57.635	<=20.217	<=38.923	<=58.313	<=32.965	<=41.366	<=17.988	<=90.025	<=31.61	<=57.635	<=20.217
2/12/2005	10	3.1	29.066	<=17.061	<=63.666	<=35.037	<=25.188	<=30.211	<=25.843	<=15.338	<=77.338	<=29.066	<=17.061	<=63.666
2/14/2005	9.43	1.5	42.524	<=67.9	<=33.217	<=43.829	<=25.19	<=25.656	<=32.484	<=12.069	<=28.429	<=42.524	<=67.9	<=33.217
2/16/2005	9.31	0.7	10.366	<=63.981	<=51.029	<=38.358	<=24.065	<=27.996	<=36.362	<=18.651	<=27.129	<=10.366	<=63.981	<=51.029
2/19/2005	9.55	3.5	23.412	<=28.813	<=31.06	<=22.815	<=54.171	<=23.8	<=28.472	<=14.598	<=61.083	<=23.412	<=28.813	<=31.06
2/21/2005	9.78	0.9	28.472	<=47.034	<=31.06	<=32.212	<=63.705	<=18.401	<=6.9574	<=13.54	<=61.083	<=28.472	<=47.034	<=31.06
2/22/2005	9.81	1.5	6.8187	<=28.813	<=26.793	<=26.449	<=42.917	<=14.159	<=23.884	<=17.887	<=61.081	<=6.8187	<=28.813	<=26.793
2/25/2005	9.44	1.59	28.201	<=16.076	<=47.167	<=45.691	<=24.065	<=23.897	<=42.154	<=16.284	<=27.129	<=28.201	<=16.076	<=47.167
2/26/2005	9.3	1.9	27.72	<=16.076	<=40.686	<=54.36	<=24.062	<=29.026	<=36.361	<=16.296	<=107.97	<=27.72	<=16.076	<=40.686
3/27/2005	9.19	0.22	35.145	<=50.763	<=44.325	<=34.196	<=40.028	<=26.056	<=31.187	<=19.373	<=58.541	<=35.145	<=50.763	<=44.325
3/28/2005	9.4	0.66	35.256	<=26.908	<=24.862	<=42.066	<=40.022	<=21.763	<=39.712	<=17.184	<=45.139	<=35.256	<=26.908	<=24.862
3/30/2005	9.53	0.13	21.42	<=39.266	<=35.843	<=40.276	<=71.718	<=21.454	<=23.66	<=20.668	<=80.174	<=21.42	<=39.266	<=35.843
4/1/2005	9.47	1.26	<=34.542	<=62.898	<=31.274	<=33.011	<=37.368	<=28.79	<=49.165	<=18.054	<=91.427	<=34.542	<=62.898	<=31.274
4/3/2005	9.57	0.74	28.471	<=28.813	<=34.658	<=36.896	<=42.926	<=25.874	<=18.927	<=16.414	<=17.793	<=28.471	<=28.813	<=34.658
4/5/2005	9.52	1.8	10.685	<=58.571	<=24.118	<=40.618	<=81.952	<=34.01	<=39.531	<=12.291	<=113.14	<=10.685	<=58.571	<=24.118
4/7/2005	9.66	0.2	<=26.677	<=42.152	<=41.636	<=34.417	<=42.915	<=26.18	<=6.9571	<=15.356	<=17.792	<=26.677	<=42.152	<=41.636
4/10/2005	9.39	1.1	33.05	<=39.977	<=18.903	<=22.815	<=42.917	<=19.992	<=26.744	<=19.495	<=48.402	<=33.05	<=39.977	<=18.903
4/14/2005	9.21	0.6	28.198	<=16.076	<=32.24	<=88.12	<=24.062	<=29.16	10.591	<=16.806	<=93.132	<=28.198	<=16.076	<=32.24
4/16/2005	9.33	0.6	28.204	<=16.076	<=76.329	<=929.4	<=24.069	<=40.94	35.475	<=20.723	<=93.138	<=28.204	<=16.076	<=76.329
4/20/2005	9.54	9.23	19.361	<=33.871	<=43.953	<=315.1	<=69.455	<=25.239	28.313	<=20.532	<=83.693	<=19.361	<=33.871	<=43.953
4/22/2005	9.38	0.25	34.532	<=42.994	<=37.97	<=166.2	<=55.306	<=23.723	53	<=23.785	<=91.419	<=34.532	<=42.994	<=37.97
4/25/2005	9.38	0.5	22.758	<=39.365	<=32.16	<=53.96	<=59.375	<=28.002	17.577	<=19.37	<=64.508	<=22.758	<=39.365	<=32.16
4/28/2005	9.16	0.9	28.109	<=39.103	<=40.205	<=32.22	<=81.674	<=21.035	32.176	<=18.484	<=68.775	<=28.109	<=39.103	<=40.205

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
5/2/2005	9.13	1.3	28.198	<=43.734	<=52.629	<=56	<=95.761	<=35.129	36.361	<=14.048	<=73.8	<=28.198	<=43.734	<=52.629
5/5/2005	8.99	0.6	22.842	<=10.591	<=33.573	<=50.51	<=54.159	<=15.788	36.276	<=16.403	<=17.792	<=22.842	<=10.591	<=33.573
5/8/2005	9.39	1.2	6.8209	<=36.361	<=21.232	<=44.567	<=42.939	<=19.126	<=23.886	<=14.799	<=75.3	<=6.8209	<=36.361	<=21.232
5/12/2005	9.63	5.7	23.409	<=10.591	<=29.762	<=36.922	<=15.776	<=22.897	<=30.082	<=17.018	<=48.402	<=23.409	<=10.591	<=29.762
5/16/2005	10	6.6	28.112	<=47.74	<=26.424	<=47.109	<=65.342	<=22.751	<=22.182	<=17.499	<=60.277	<=28.112	<=47.74	<=26.424
5/19/2005	9.49	0.08	49.29	<=15.804	<=16.328	<=61.93	<=81.044	<=23.852	<=40.938	<=18.391	<=72.443	<=49.29	<=15.804	<=16.328
5/22/2005	9.37	3.7	10.365	<=43.734	<=45.569	<=51.747	<=65.453	<=29.886	<=42.152	<=14.574	<=67.289	<=10.365	<=43.734	<=45.569
5/25/2005	8.75	0.6	<=41.258	<=16.076	<=32.241	<=48.103	<=82.619	<=33.377	<=28.814	<=16.381	<=73.802	<=41.258	<=16.076	<=32.241
5/28/2005	9.4	1	18.551	<=10.591	<=21.231	<=31.955	<=29.506	<=16.03	<=23.885	<=16.229	48.402	<=18.551	<=10.591	<=21.231
5/31/2005	9.72	4.5	29.068	<=46.413	<=59.183	<=50.603	<=100.25	<=31.695	<=42.891	<=16.383	<=112.33	<=29.068	<=46.413	<=59.183
6/4/2005	9.48	2.8	40.036	<=45.482	<=45.404	<=59.477	<=64.23	<=32.526	<=45.844	<=18.012	<=72.444	<=40.036	<=45.482	<=45.404
6/8/2005	9.33	0.5	21.377	<=28.813	<=7.8043	<=32.227	<=15.776	<=24.199	<=17.315	<=14.687	<=61.081	<=21.377	<=28.813	<=7.8043
6/12/2005	9.13	0.85	<=34.537	<=42.994	<=50.946	<=53.385	<=98.147	<=23.79	<=45.603	<=18.254	<=26.63	<=34.537	<=42.994	<=50.946
6/16/2005	9.67	0.34	44.668	<=56.522	<=11.496	<=56.407	<=64.219	<=26.084	<=35.313	<=14.715	<=35.278	<=44.668	<=56.522	<=11.496
6/20/2005	9.37	1.8	33.215	<=42.994	<=31.273	<=50.53	<=81.041	<=21.99	<=45.68	<=16.885	<=91.993	<=33.215	<=42.994	<=31.273
6/24/2005	9.41	1.88	43.758	<=54.256	<=39.005	<=33.011	<=81.065	<=24.577	<=35.315	<=18.222	<=118.22	<=43.758	<=54.256	<=39.005
6/28/2005	9.35	2.7	40.038	<=64.766	<=45.752	<=46.608	<=55.414	<=22.025	<=40.849	<=16.768	<=26.63	<=40.038	<=64.766	<=45.752
6/30/2005	9.1	0.17	<=40.919	<=70.183	<=55.72	<=56.407	<=64.228	<=18.984	<=27.984	<=20.001	<=26.63	<=40.919	<=70.183	<=55.72
7/4/2005	9.59	5.15	34.531	<=70.183	<=55.72	<=34.488	<=23.606	<=27.348	<=28.662	<=15.48	<=72.364	<=34.531	<=70.183	<=55.72
7/7/2005	9.32	1.33	<=10.059	<=42.994	<=51.051	<=53.748	<=64.224	<=26.683	<=40.848	<=20.066	<=91.995	<=10.059	<=42.994	<=51.051
7/11/2005	9.1	1.9	<=34.534	<=62.898	<=31.274	<=50.138	<=81.054	<=32.352	<=40.666	<=14.543	<=118.22	<=34.534	<=62.898	<=31.274
7/15/2005	9.43	2.8	<=35.605	<=69.171	<=33.217	<=35.037	<=93.926	<=23.078	<=36.844	<=16.934	<=107.9	<=35.605	<=69.171	<=33.217
7/19/2005	9.66	0.48	27.367	<=42.994	<=39.466	<=38.269	<=64.232	<=28.637	<=35.314	<=17.834	<=105.98	<=27.367	<=42.994	<=39.466
7/22/2005	9.86	9.2	<=10.059	<=70.183	<=51.051	<=46.608	<=104.63	<=30.107	<=41.336	<=18.351	<=91.42	<=10.059	<=70.183	<=51.051
7/27/2005	9.85	3.2	27.365	<=15.804	<=50.62	<=50.138	<=98.126	<=31.786	<=35.314	<=19.342	<=91.42	<=27.365	<=15.804	<=50.62
7/30/2005	9.62	3.98	27.367	<=42.994	<=55.72	<=35.881	<=81.059	<=35.957	<=40.939	<=20.678	<=72.367	<=27.367	<=42.994	<=55.72
8/3/2005	9.45	2.85	40.036	<=42.994	<=30.616	<=47.558	<=93.969	<=27.382	<=35.69	<=21.095	<=72.445	<=40.036	<=42.994	<=30.616
8/6/2005	9.85	0.55	<=36.27	<=14.482	<=23.189	<=38.806	<=103.23	<=23.763	<=35.351	<=18.81	<=69.134	<=36.27	<=14.482	<=23.189
8/10/2005	9.78	4.06	18.551	<=24.715	<=34.658	<=26.489	<=54.166	<=16.426	<=17.204	<=18.642	<=48.403	<=18.551	<=24.715	<=34.658
8/13/2005	9.46	2.8	30.239	<=47.821	<=26.43	<=44.491	<=36.073	<=25.196	<=17.993	<=18.69	<=47.934	<=30.239	<=47.821	<=26.43
8/16/2005	9.64	5.7	44.677	<=70.184	<=11.496	<=50.138	<=81.067	<=23.794	<=27.827	<=20.135	<=72.368	<=44.677	<=70.184	<=11.496
8/20/2005	9.08	0.1	34.534	<=54.256	<=45.253	<=38.269	<=86.091	<=26.104	<=27.984	<=19.968	<=105.98	<=34.534	<=54.256	<=45.253
8/24/2005	9.24	0.11	28.853	<=15.804	<=45.751	<=50.53	<=23.606	<=29.231	<=53.634	<=18.311	<=91.419	<=28.853	<=15.804	<=45.751
8/27/2005	9.02	0.11	40.919	<=15.804	<=11.496	<=39.487	<=64.229	<=31.187	<=40.939	<=19.54	<=105.94	<=40.919	<=15.804	<=11.496
8/30/2005	9.6	0.88	44.686	<=62.899	<=31.274	<=69.263	<=23.621	<=31.976	<=35.316	<=15.589	<=72.45	<=44.686	<=62.899	<=31.274
9/2/2005	9.69	1.8	<=44.671	<=54.256	<=45.376	<=53.748	<=86.088	<=27.367	<=35.314	<=17.089	<=105.94	<=44.671	<=54.256	<=45.376
9/5/2005	9.94	2.6	<=34.532	<=48.941	<=39.317	<=43.762	<=93.954	<=28.716	<=27.983	<=16.237	<=105.94	<=34.532	<=48.941	<=39.317
9/10/2005	9.7	1.63	34.532	<=15.804	<=31.062	<=54.191	<=81.043	<=26.786	<=40.938	<=19.103	<=26.629	<=34.532	<=15.804	<=31.062
9/14/2005	10.11	7	<=35.633	<=42.995	<=11.497	<=42.702	<=81.14	<=33.753	<=27.988	<=16.799	<=73.268	<=35.633	<=42.995	<=11.497
9/18/2005	9.4	1.5	25.381	<=39.266	<=40.682	<=39.94	<=55.349	<=25.363	<=26.846	<=19.181	<=70.298	<=25.381	<=39.266	<=40.682
9/22/2005	9.8	2.15	34.534	<=58.436	<=45.376	<=33.011	<=23.609	<=28.89	<=57.311	<=15.859	<=91.421	<=34.534	<=58.436	<=45.376

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
9/25/2005	9.6	2.4	24.831	<=33.871	<=30.003	<=31.101	<=51.36	<=22.254	<=28.645	<=20.766	<=56.785	<=24.831	<=33.871	<=30.003
9/29/2005	9.72	3.25	34.54	<=15.804	<=39.317	<=50.53	<=64.245	<=29.908	<=40.94	<=18.591	<=72.447	<=34.54	<=15.804	<=39.317
10/3/2005	9.61	1.7	21.418	<=47.821	<=33.088	<=33.29	<=39.875	<=23.726	<=35.396	<=18.173	<=81.538	<=21.418	<=47.821	<=33.088
10/7/2005	9.45	0.6	42.526	<=17.061	<=48.596	<=35.037	<=86.482	<=15.773	<=42.279	<=15.238	<=77.34	<=42.526	<=17.061	<=48.596
10/10/2005	9.22	0.4	34.536	<=58.436	<=50.727	<=42.702	<=64.233	<=29.366	<=35.314	<=17.799	<=91.422	<=34.536	<=58.436	<=50.727
10/12/2005	10	0.2	40.036	<=62.898	<=51.051	<=53.748	<=75.196	<=30.117	<=41.247	<=21.362	<=91.421	<=40.036	<=62.898	<=51.051
10/15/2005	9.9	3.75	<=22.089	<=40.002	<=24.49	<=36.981	<=71.047	<=25.806	<=21.888	<=19.657	<=52.181	<=22.089	<=40.002	<=24.49
10/19/2005	8.95	0.06	<=24.829	<=33.871	<=36.822	<=32.841	<=50.321	<=28.954	<=37.4	<=23.729	<=52.181	<=24.829	<=33.871	<=36.822
10/22/2005	8.32	0	44.672	<=42.994	<=55.626	<=42.702	<=23.609	<=26.689	<=35.203	<=16.083	<=105.98	<=44.672	<=42.994	<=55.626
10/25/2005	9.68	4.6	34.533	<=42.994	<=31.273	<=64.483	<=23.608	<=24.55	<=27.983	<=17.37	<=91.365	<=34.533	<=42.994	<=31.273
10/28/2005	9.95	3.7	36.684	<=49.283	<=65.053	<=64.938	<=25.193	<=25.106	<=10.928	<=14.935	<=77.341	<=36.684	<=49.283	<=65.053
11/1/2005	9.95	6.7	35	<=26.84	<=33.088	<=36.726	<=46.59	<=26.021	<=28.313	<=20.017	<=56.784	<=35	<=26.84	<=33.088
11/5/2005	9.85	4.8	35.36	<=43.814	<=41.645	<=36.865	<=58.336	<=24.409	<=25.374	<=18.868	<=86.245	<=35.36	<=43.814	<=41.645
11/10/2005	9.55	2.47	12.253	<=47.821	<=42.759	<=42.758	<=76.426	<=21.898	<=28.313	<=16.938	<=73.453	<=12.253	<=47.821	<=42.759
11/13/2005	10	3.79	<=34.537	<=83.739	<=39.466	<=50.138	<=80.762	<=32.966	<=28.663	<=18.912	<=118.22	<=34.537	<=83.739	<=39.466
11/16/2005	9.65	3.2	27.365	<=62.898	<=39.004	<=53.748	<=55.402	<=24.548	<=35.798	<=18.57	<=72.443	<=27.365	<=62.898	<=39.004
11/19/2005	9.39	1	24.231	<=45.659	<=38.357	<=29.015	<=59.2	<=21.934	<=21.889	<=19.828	<=71.911	<=24.231	<=45.659	<=38.357
11/22/2005	9.83	2.3	34.637	<=33.871	<=31.68	<=33.291	<=65.096	<=22.058	<=21.888	<=18.979	<=73.454	<=34.637	<=33.871	<=31.68
11/26/2005	9.48	2.5	34.54	<=62.898	<=51.052	<=39.487	<=71.105	<=22.982	<=29.173	<=20.628	<=72.447	<=34.54	<=62.898	<=51.052
12/1/2005	9.8	2.2	10.06	<=54.256	<=39.004	<=47.036	<=64.23	<=33.559	<=50.097	<=16.727	<=106.41	<=10.06	<=54.256	<=39.004
12/5/2005	9.45	1.1	34.539	<=42.994	<=45.752	<=42.702	<=81.069	<=28.866	<=45.682	<=20.83	<=91.424	<=34.539	<=42.994	<=45.752
12/9/2005	9.64	1.44	34.534	<=34.215	<=39.004	<=38.269	<=102.08	<=18.985	<=53.635	<=17.991	<=105.98	<=34.534	<=34.215	<=39.004
12/12/2005	9.84	0.946	<=32.108	<=39.266	<=31.508	<=30.466	<=51.358	<=26	<=25.374	<=19.945	<=52.181	<=32.108	<=39.266	<=31.508
12/15/2005	9.67	0.05	<=50.945	<=54.256	<=30.616	<=46.608	<=81.052	<=34.414	<=27.984	<=19.039	<=91.421	<=50.945	<=54.256	<=30.616
12/18/2005	9.68	0.318	50.124	<=42.994	<=31.274	<=38.269	<=23.61	<=28.839	<=60.175	<=20.5	<=139.19	<=50.124	<=42.994	<=31.274
12/21/2005	9.63	0.7	29.067	<=58.571	<=12.21	<=45.323	<=68.527	<=23.862	<=37.516	<=13.885	<=109.72	<=29.067	<=58.571	<=12.21
12/24/2005	9.78	0.03	24.832	<=28.085	<=37.196	<=26.371	<=50.329	<=24.962	<=33.244	<=17.492	<=92.991	<=24.832	<=28.085	<=37.196
12/28/2005	9.65	1.49	9.1115	<=57.635	<=47.565	<=29.999	<=58.317	<=23.083	<=31.979	<=20.563	<=48.335	<=9.1115	<=57.635	<=47.565
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	02/16/05 SEMI-ANNUAL	07/26/05 ANNUAL	ALERT LEVEL (TBL 7)
Antimony	mg/L		<0.100	
Arsenic	mg/L		<0.150	
Beryllium	mg/L		<0.050	
Boron	mg/L	22.0	39.0	
Cadmium	mg/L		<0.050	
Chromium	mg/L		<0.100	
Total Alkalinity	mg/L	200	70	
Chloride	mg/L	21,000	50,000	
Fluoride	mg/L	<20	29	
Fluoride	mg/L	16*		
pH	SU	9.0	8.7	<4, >11
Potassium	mg/L	1,300	2200	
Lead	mg/L		<0.100	
Nickel	mg/L		0.450	
Nitrate/Nitrite	mg/L	410	780	
Selenium	mg/L		<0.500	
Sulfate	mg/L	18,000	18,000	
Thallium	mg/L		<0.100	
TDS	mg/L	70,000	120,000	
Total Trihalomethanes	mg/L	0.0090	0.015	
Calcium	mg/L		610	
Magnesium	mg/L		250	
Sodium	mg/L		37,000	
Cation Anion Balance			3.5	

*rerun with different method (340.2)
< = Less than the indicated reporting limit.
°C = Degrees Celsius
AWQS = Aquifer Water Quality Standard
mg/L = milligrams per liter
NA = Not applicable
NE = Not established
SU = Standard Unit
umhos/cm = micromhos per centimeter

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
1/25/05		<14	<11	<13	<12	<12	<27	<11	<30	<20	<13	<44	<11
2/22/05		8 ± 10	<11	<13	<15	<11	<27	<8	<23	<18	<11	<37	<15
3/29/05	1120 ± 155	7 ± 6	<9	<8	<9	<8	<22	<8	<24	<13	<9	<25	<14
4/26/05		<9	<7	<10	<12	<9	<17	<8	<18	<15	<8	<28	<11
5/31/05		<11	<13	<15	<15	<11	<28	<13	<29	<27	<14	<42	<13
6/28/05	1209 ± 155	<8	<9	<12	<13	<12	<21	<11	<30	<16	<13	<29	<13
7/26/05		<9	<10	<11	<13	<12	<18	<10	<30	<17	<12	<33	<9
8/30/05		<10	<10	<11	<12	<13	<27	<14	<29	<19	<13	<37	<15
9/27/05	1601 ± 159	19 ± 10	<10	<15	<15	<14	<23	<12	<30	<20	<14	<43	<12
10/25/05		<13	<12	<14	<15	<14	<29	<13	<30	<24	<14	<42	<9
11/29/05		<11	<11	<12	<11	<12	<26	<10	<30	<19	<13	<38	<13
12/27/05	2038 ± 158	<13	<11	<13	<14	<14	<30	<12	<28	<21	<13	<40	<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
AWQS = Aquifer water quality standard
NE - Not Established
ODCM = Offsite Dose Calculation Manual
pCi/L = picoCuries per liter

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

ANALYTE	UNITS	02/16/05 SEMI-ANNUAL	07/26/05 ANNUAL	ALERT LEVEL (TBL 7)
Antimony	mg/L		<0.100	
Arsenic	mg/L		<0.150	
Beryllium	mg/L		<0.050	
Boron	mg/L	39.0	49.0	
Cadmium	mg/L		<0.050	
Chromium	mg/L		<0.100	
Total Alkalinity	mg/L	220	120	
Chloride	mg/L	41,000	52,000	
Fluoride	mg/L	<20	29	
Fluoride	mg/L	21*		
pH	SU	9.1	9.0	<4, >11
Potassium	mg/L	2,100	2500	
Lead	mg/L		<0.100	
Nickel	mg/L		0.530	
Nitrate/Nitrite	mg/L	420	540	
Selenium	mg/L		<0.500	
Sulfate	mg/L	19,000	37,000	
Thallium	mg/L		<0.100	
TDS	mg/L	130,000	110,000	
Total Trihalomethanes	mg/L	<0.020	0.025	
Calcium	mg/L		620	
Magnesium	mg/L		330	
Sodium	mg/L		43,000	
Cation Anion Balance			6.6	

*rerun with different method (340.2)
< = Less than the indicated reporting limit.
-- = Not analyzed
°C = Degrees Celsius
AWQS
mg/L = milligrams per liter
NA = Not applicable
NE = Not established
SU
umhos/cm = micromhos per centimeter

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
1/25/05		<8	<8	<11	<10	<9	<21	<9	<23	<18	<10	<30	<10
2/22/05		<10	<11	<12	<14	<11	<22	<11	<29	<19	<12	<36	<11
3/29/05	1633 ± 155	<13	<12	<15	<13	<12	<26	<12	<30	<23	<11	<43	<12
4/26/05		<9	<9	<13	<15	<12	<25	<10	<27	<19	<11	<41	<12
5/31/05		<9	<10	<12	<12	<10	<21	<11	<30	<16	<10	<31	<13
6/28/05	1736 ± 159	<12	<11	<14	<14	<12	<29	<11	<30	<22	<12	<40	<11
7/26/05		<12	<11	<14	<15	<12	<24	<10	<30	<20	<11	<38	<9
8/30/05		<10	<9	<11	<12	<11	<24	<10	<30	<16	<10	<35	<10
9/27/05	1687 ± 163	<11	<11	<13	<13	<12	<23	<11	<30	<21	<12	<33	<11
10/25/05		<10	<10	<15	<12	<12	<24	<10	<30	<18	<12	<41	<15
11/29/05		<13	<11	<14	<14	<13	<25	<11	<30	<21	<12	<45	<13
12/27/05	1763 ± 154	<14	<12	<14	<15	<13	<28	<12	<30	<20	<13	<46	<15
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
AWQS = Aquifer water quality standard
NE = Not Established
ODCM = Offsite Dose Calculation Manual
pCi/L = picoCuries per liter

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

ANALYTE	UNITS	02/17/05 SEMI-ANNUAL	07/29/05 ANNUAL	ALERT LEVEL (TBL 7)
Antimony	mg/L		<0.050	
Arsenic	mg/L		<0.050	
Beryllium	mg/L		<0.0040	
Boron	mg/L	<0.50	<0.50	
Cadmium	mg/L		<0.0050	
Chromium	mg/L		<0.010	
Total Alkalinity	mg/L	35	24	
Chloride	mg/L	260	330	
Fluoride	mg/L	0.66	0.60	
pH	SU	8.55	8.00	<4, >11
Potassium	mg/L	17.0	19	
Lead	mg/L		<0.0010	
Nickel	mg/L		<0.050	
Nitrate/Nitrite	mg/L	11.0	6.0	
Selenium	mg/L		<0.0020	
Sulfate	mg/L	200	190	
Thallium	mg/L		<0.0010	
TDS	mg/L	880	920	
Total Trihalomethanes	mg/L	<0.008	0.018	
Calcium	mg/L		34	
Magnesium	mg/L		3.5	
Sodium	mg/L		270	
Cation Anion Balance			0.0	

< = Less than the indicated reporting limit.
-- = Not analyzed
AWQS = Aquifer water quality standards
NA = Not applicable
NE = Not established
mg/L = milligrams per liter
SU = Standard Units
umhos/cm = micromhos per centimeter

TABLE 2B-10. OPERATIONAL (ODCM) RADIONUCLIDES RESULTS FOR THE WATER STORAGE RESERVOIR

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
1/25/05		<8	<8	<11	<10	<9	<21	<9	<23	<18	<10	<30	<10
2/22/05		<10	<11	<12	<14	<11	<22	<11	<29	<19	<12	<36	<11
3/29/05	1633 ± 155	<13	<12	<15	<13	<12	<26	<12	<30	<23	<11	<43	<12
4/26/05		<9	<9	<13	<15	<12	<25	<10	<27	<19	<11	<41	<12
5/31/05		<9	<10	<12	<12	<10	<21	<11	<30	<16	<10	<31	<13
6/28/05	1736 ± 159	<12	<11	<14	<14	<12	<29	<11	<30	<22	<12	<40	<11
7/26/05		<12	<11	<14	<15	<12	<24	<10	<30	<20	<11	<38	<9
8/30/05		<10	<9	<11	<12	<11	<24	<10	<30	<16	<10	<35	<10
9/27/05	1687 ± 163	<11	<11	<13	<13	<12	<23	<11	<30	<21	<12	<33	<11
10/25/05		<10	<10	<15	<12	<12	<24	<10	<30	<18	<12	<41	<15
11/29/05		<13	<11	<14	<14	<13	<25	<11	<30	<21	<12	<45	<13
12/27/05	1763 ± 154	<14	<12	<14	<15	<13	<28	<12	<30	<20	<13	<46	<15
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
AWQS = Aquifer water quality standard
NE - Not Established
ODCM = Offsite Dose Calculation Manual
pCi/L = picoCuries per liter

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	PROCEDURES/ MATERIALS USED	DOCUMENTATION
RESERVOIR	12 tears discovered, ranging from 1" to 24" long	6/16/05	12 repairs made (6/16-6/21)	Hypalon patches adhered with 3M Adhesive.	CMWRF 2808584 RCTSAI 2837444
	3 tears discovered, 1 South side, 1 West side, 1 North side	7/29/05	8 repairs made (8/3-8/9)	Hypalon patches adhered with 3M Adhesive.	CMWRF 2819831 RCTSAI 2837459
	6 tears discovered, 1 was 20' long others 6" to 10" long	8/3/05	6 repairs made (6/3-6/9)	Hypalon patches adhered with 3M Adhesive.	CMWRF 2819831 RCTSAI 2837456
	24 Tears discovered	10/25/05	24 repairs made 10/25-10/30	Hypalon patches adhered with 3M Adhesive. One large tear repair also utilized rebar.	CMWRF 2915755
	43 tears discovered , ranging from 1" to 30"	11/16/05	43 repairs made starting 11/25	Hypalon patches adhered with 3M Adhesive.	CMWRF 2846633
	Flow meter at 91st Ave. (AWZINFE0013)		Meter verified operational daily		
	Flow meter at 91st Ave. (AWZINFE0013)	2/10/05	Replaced probes		CMWRF 2771435
	Flow meter at 91st Ave. (AWZINFE0013)	11/3/05	Clean probes		CMWRF 2782281
	Flow meter at 91st Ave. (AWZINFE0013)	7/21/05	Replace wire		CMWRF 2785151
	Flow meter at 91st Ave. (AWZINFE0013)	10/27/05	PM completed		CMWRF 2812110
	Flow meter at 91st Ave. (AWZINFE0013)	10/6/05	Replace cables and transducers		CMWRF 2832972
	Flow meter at Tolleson (AWZINFE0114)		PM'S not required. No CM's performed. Meter verified operational daily.		
	FlowMeter at Goodyear WWTP (AWZONFE0041)		PM'S not required. No CM's performed. Meter verified operational daily.		
	FlowMeter at PVNGS STP (AJSTNFE0023)		PM'S not required. Meter verified operational daily.		
	FlowMeter at PVNGS STP (AJSTNFE0023)	6/7/05	replace flowmeter		CMWRF 2801954
EVAP POND #1	Erosion control on outside banks not up to standards.	10/20/05	Performed required erosion repairs. Finished on 12/22/05		CMWRF 2839177
	U1 Blowdown "B" flow meter (1JCWNFE0027)		Meter verified operational daily when in service.		
	U2 Blowdown "B" flow meter (2JCWNFE0027)		Meter verified operational daily when in service.		
	U2 Blowdown "B" flow meter (2JCWNFE0027)		Meter verified operational daily when in service.		
EVAP POND #2	Visual inspection resulted in 12 tears on North side, 50 tears on East side, 21 tears on South side, and 31 repairs on West side.	April 1-5, 2005	All tears repaired on April 1-5, 2005	Small tears repaired with fusion gun. Larger repairs utilized HDPE patch applied with fusion gun.	CMWRF 2787400 RCTSAI 2837441
	Identified pot holes and cracking on top of North embankment.	8/23/05	URS Eng. Is performing an evaluation. Results of that evaluation due on 2/23/06	Excavated and evaluated holes and cracks under the guidance of the ADWR.	PO 500293844 RCTSAI 2837462
RET. BASINS	Retention Basin #2 identified as in need of repairs.	2/26/05	Joints repaired	Refer to WDP-OW-726	WDP-OW-726 WO 2757072 RCTSAI 2837475
	Retention Basin #1 identified as in need of repairs.	3/9/05	Joints repaired	Refer to WDP-OW-726	WDP-OW-726 WO 2757072 RCTSAI 2837475
	Retention Basin flow meter AJOWNFIT10A		Meter verified operational daily when in service.		
	Retention Basin flow meter AJOWNFIT10B		Meter verified operational daily when in service.		

2. IMPOUNDMENT MONITORING

D. SUMMARY OF THE RESULTS OF ALL LINER LEAKAGE

TABLE 2D-1. 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)
1/4/05	160	4	0.6	1/4/05	127874	26	3.7
1/11/05	162	2	0.3	1/11/05	128024	150	21.4
1/18/05	226	64	9.1	1/18/05	128118	94	13.4
1/25/05	260	34	4.9	1/25/05	128343	225	32.1
2/1/05	295	35	5.0	2/1/05	128543	200	28.6
2/8/05	334	39	5.6	2/8/05	128809	266	38.0
2/15/05	440	106	15.1	2/15/05	129033	224	32.0
2/22/05	535	95	13.6	2/22/05	129256	223	31.9
3/1/05	743	208	29.7	3/1/05	129461	205	29.3
3/1/05	1606	863	863.0	3/2/05	129651	190	190.0
3/2/05	1825	219	219.0	3/14/05	129834	183	15.3
3/14/05	2179	354	29.5	3/22/05	130003	169	21.1
3/22/05	3060	881	110.1	3/29/05	130167	164	23.4
3/29/05	3087	27	3.9	4/6/05	130328	161	20.1
4/6/05	3211	124	15.5	4/12/05	130497	169	28.2
4/12/05	3549	338	56.3	4/19/05	130705	208	29.7
4/19/05	3749	200	28.6	4/26/05	130859	154	22.0
4/26/05	3805	56	8.0	5/3/05	131035	176	25.1
5/3/05	3854	49	7.0	5/10/05	131233	198	28.3
5/10/05	3900	46	6.6	5/17/05	131514	281	40.1
5/17/05	3947	47	6.7	5/24/05	131629	115	16.4
5/24/05	3957	10	1.4	5/31/05	132129	500	71.4
5/31/05	4045	88	12.6	6/7/05	132430	301	43.0
6/7/05	4104	59	8.4	6/14/05	132618	188	26.9
6/14/05	4155	51	7.3	6/21/05	132844	226	32.3
6/21/05	4210	55	7.9	6/29/05	133232	388	48.5
6/29/05	4303	93	11.6	7/12/05	133466	234	18.0
7/5/05	4303	0	0.0	7/19/05	133587	121	17.3
7/12/05	4364	61	8.7	7/29/05	133908	321	32.1
7/19/05	4394	30	4.3	8/9/05	134078	170	15.4
7/29/05	4463	69	6.9	8/16/05	134200	122	17.4
8/9/05	4488	25	2.3	8/23/05	134343	143	20.4
8/16/05	4514	26	3.7	8/31/05	134636	293	36.6
8/23/05	4540	26	3.7	9/9/05	134780	144	16.0
8/31/05	4613	73	9.1	9/14/05	134935	155	31.0
9/9/05	4659	46	5.1	9/23/05	135032	97	10.8
9/14/05	4715	56	11.2	9/27/05	135032	0	0.0
9/23/05	4746	31	3.4	10/4/05	135171	139	19.9
9/27/05	4746	0	0.0	10/13/05	135330	159	17.7
10/4/05	4768	22	3.1	10/17/05	135531	201	50.3
10/13/05	4867	99	11.0	10/25/05	135664	133	16.6
10/17/05	4867	0	0.0	11/4/05	135926	262	26.2
10/25/05	4954	87	10.9	11/8/05	135926	0	0.0
11/4/05	4989	35	3.5	11/18/05	136138	212	21.2
11/8/05	4989	0	0.0	11/21/05	136138	0	0.0
11/18/05	5000	11	1.1	11/29/05	136286	148	18.5
11/21/05	5000	0	0.0	12/7/05	136442	156	19.5
11/29/05	5039	50	6.3	12/13/05	136827	385	64.2
12/7/05	5051	12	1.5	12/20/05	137540	713	101.9
12/13/05	5172	121	20.2	12/27/05	137977	437	62.4
12/20/05	5218	46	6.6				
12/27/05	5219.7	1.7	0.2				
2005 Total Gallons:		**5,075**		**2005 Total Gallons:**		**10,129**	

TABLE 2D-1. LINER LEAKAGE SUMMARY TABLE

EVAPORATION POND 2 LINER LEAKAGE ALERT LEVEL: 44,000 GPD			RETENTION BASINS LINER LEAKAGE ALERT LEVEL: 242 GPD	WATER STORAGE RESERVOIR LINER LEAKAGE ALERT LEVEL: NONE
EVAP POND2 - SW SUMP	EVAP POND 2 - SE SUMP	EVAP POND 2 - NE SUMP	RETENTION BASINS SUMP	NO COLLECTION SUMP
CALCULATED LEAKAGE RATE GPD	CALCULATED LEAKAGE RATE GPD	CALCULATED LEAKAGE RATE GPD	CALCULATED LEAKAGE RATE GPD	CALCULATED LEAKAGE RATE GPD
No Leakage Observed in 2005	No Leakage Observed in 2005	No Leakage Observed in 2005	No Leakage Observed in 2005	Leakage Detected in 2005 but Unable to Quantify

gpd = gallons per day

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	2005			
Location				EP 1		EP 2	
Flow 2005	gallons			848,538,814			
Average Flow 2005	gpd			2,324,764			
Leakage 2005	gallons			15,204		None observed	
Leakage 2005	gpd	50,000 (EP1)/ 44,000 (EP2)		42		None observed	
WATER QUALITY							
Sample Date				**2/16/05**	**7/26/05**	**02/16/05**	**07/26/05**
Field pH	SU	4-11	NE	NA	NA	NA	NA
Field Temperature	°C		NE	NA	NA	NA	NA
Field Conductivity	umhos/cm		NE	NA	NA	NA	NA
Antimony (dissolved)	mg/L		0.006		<0.100		<0.100
Arsenic (dissolved)	mg/L		0.05		<0.150		<0.150
Beryllium (dissolved)	mg/L		0.004		<0.050		<0.050
Boron (dissolved)	mg/L		NE	22.0	39.0	39.0	49.0
Cadmium (dissolved)	mg/L		0.005		<0.050		<0.050
Chromium (dissolved)	mg/L		0.1		<0.100		<0.100
Total Alkalinity (as CaCO3)	mg/L		NE	200	70	220	120
Chloride	mg/L		NE	21,000	50,000	41,000	52,000
Fluoride	mg/L		4	<20 / 16*	29	<20 / 21*	29
pH	SU	4-11	NE	9.0	8.7	9.1	9.0
Potassium (dissolved)	mg/L		NE	1,300	2,200	2,100	2,500
Lead (dissolved)	mg/L		0.05		<0.100		<0.100
Nickel (dissolved)	mg/L		0.1		0.45		0.53
Nitrate/Nitrite (as Nitrogen)	mg/L		10	410	780	420	540
Selenium (dissolved)	mg/L		0.05		<0.500		<0.500
Sulfate	mg/L		NE	18,000	18,000	19,000	37,000
Thallium (dissolved)	mg/L		0.002		<0.100		<0.100
TDS	mg/L		NE	70,000	120,000	130,000	110,000
Total Trihalomethanes	mg/L		0.1	0.009	0.015	<0.020	0.025
Calcium (dissolved)	mg/L		NE		610		620
Magnesium (dissolved)	mg/L		NE		250		330
Sodium (dissolved)	mg/L		NE		37000		43,000
Cation Anion Balance			NE		3.5		6.6
Radionuclides	pCi/L		Various	See Table 2B-6		See Table 2B-8	

*rerun with different method (EPA 340.2)

°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
NA = Not applicable
ND = Not Detected
NE = Not established
pCi/L = picoCuries per Liter
SU = Standard Unit
umhos/cm = micromhos per centimeter

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

PARAMETER	UNITS	ALERT LEVEL	AWQS	2005	
Flow 2005	gallons			57,043,476	
Average Flow 2005	gpd			156,283	
Leakage 2005	gallons			None observed	
Leakage 2005	gpd	242		None observed	
WATER QUALITY					
				EAST RETENTION BASIN	WEST RETENTION BASIN
				05/11/05	5/11/05
Boron (Dissolved)	mg/L		NE	3.2	6.0
Chloride	mg/L		NE	240	160
Fluoride	mg/L		4.0	**5.0**	**<5.0**
Nickel (Dissolved)	mg/L		0.1	<0.040	<0.040
Potassium (Dissolved)	mg/L		NE	<3.0	<3.0
Total Trihalomethanes	mg/L		0.1	0.062	0.047
Other organics	mg/L		Various	See Table 2B-1	See Table 2B-3
Radionuclides	pCi/L		Various	See Table 2B-2	See Table 2B-4

Annual samples were analyzed for the above compounds in accordance to Table 10 in the December 17, 2003 APP
< = 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	2005	
Flow 2005	gallons			20,237,800,758	
Average Flow 2005	gpd			55,446,029	
Leakage 2005	gallons			Not quantified	
Leakage 2005	gpd	NE		Not quantified	
WATER QUALITY					
Sample Date				**02/17/05**	**07/29/05**
Field pH	SU	4-11	NE	NA	NA
Field Temperature	°C		NE	NA	NA
Field Conductivity	umhos/cm		NE	NA	NA
Antimony (dissolved)	mg/L		0.006		**<0.050**
Arsenic (dissolved)	mg/L		0.05		<0.050
Beryllium (dissolved)	mg/L		0.004		<0.0040
Boron (dissolved)	mg/L		NE	<0.50	<0.50
Cadmium (dissolved)	mg/L		0.005		<0.0050
Chromium (dissolved)	mg/L		0.1		<0.010
Total Alkalinity (as CaCO3)	mg/L		NE	35	24
Chloride	mg/L		NE	260	330
Fluoride	mg/L		4	0.66	0.60
pH	SU	4-11	NE	8.55	8.00
Potassium (dissolved)	mg/L		NE	17.0	19
Lead (dissolved)	mg/L		0.05		<0.0010
Nickel (dissolved)	mg/L		0.1		<0.050
Nitrate/Nitrite (as Nitrogen)	mg/L		10	**11.0**	6.0
Selenium (dissolved)	mg/L		0.05		<0.0020
Sulfate	mg/L		NE	200	190
Thallium (dissolved)	mg/L		0.002		<0.0010
TDS	mg/L		NE	880	920
Total Trihalomethanes	mg/L		0.1	<0.008	0.018
Calcium (dissolved)	mg/L		NE		34
Magnesium (dissolved)	mg/L		NE		3.5
Sodium (dissolved)	mg/L		NE		270
Cation Anion Balance			NE		0.0
Radionuclides	pCi/l		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 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-05	5,539.06	244.53	9.82
February-05	4,296.26	211.79	9.93
March-05	5,556.07	264.75	12.34
April-05	3,307.39	189.23	16.27
May-05	5,855.36	174.02	17.51
June-05	5,543.63	186.96	14.49
July-05	7,068.27	233.98	15.17
August-05	5,831.89	194.04	15.83
September-05	7,050.50	251.78	13.49
October-05	3,024.99	174.60	18.01
November-05	4,622.85	160.96	15.40
December-05	4,411.26	142.37	16.80
2005 Total:	62,107.53	2,429.01	175.06
2005 Total (Gals):	20,237,800,758.03	791,495,337.51	57,043,476.06
2005 Total (MGals):	20,237.80	791.50	57.04

3. SLUDGE MONITORING

A. SLUDGE LANDFILL MONITORING ANALYTICAL RESULTS

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

ANALYTE	UNITS	ALERT LEVEL (Table 9)	03/04/05	10/20/05
pH	SU	<2, >12.5	9.50	9.68
TCLP Arsenic	mg/L	5	<0.25	<0.25
TCLP Barium	mg/L	100	<2.5	<2.5
TCLP Cadmium	mg/L	1	<0.025	<0.025
TCLP Chromium	mg/L	5	<0.050	<0.050
TCLP Lead	mg/L	5	<0.25	<0.25
TCLP Mercury	mg/L	0.2	<0.0020	<0.0020
TCLP Selenium	mg/L	1	<0.25	<0.25
TCLP Silver	mg/L	5	<0.025	<0.025

SU = Standard unit
mg/L = milligrams per liter
< = Less than indicated reporting 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 (Table 9)	U3R11-T1 03/17/05	U3R11-T2 03/17/05	U3R11-T3 03/17/05	U2R12-T1 07/05/05	U2R12-T2 07/05/05	U2R12-T3 07/05/05	U2R12-Canal CW Piping 07/05/05
pH	SU	<2, >12.5	8.6	8.5	9.4	9.4	9.6	9.4	8.8
TCLP Arsenic	mg/L	5	<0.2	<0.2	<0.2	<0.50	<2.5	<0.50	0.57
TCLP Barium	mg/L	100	0.22	0.12	0.21	<10	<50	<10	<10
TCLP Cadmium	mg/L	1	<0.08	<0.02	<0.08	<0.10	<0.50	<0.10	<0.10
TCLP Chromium	mg/L	5	0.09	0.08	0.22	<0.50	<2.5	<0.50	<0.50
TCLP Lead	mg/L	5	<1	<0.2	<1	<0.50	<2.5	<0.50	<0.50
TCLP Mercury	mg/L	0.2	<0.001	<0.001	<0.001	<0.0020	<0.0020	<0.0020	<0.0020
TCLP Selenium	mg/L	1	<0.2	<0.2	<0.2	<0.10	<0.50	<0.10	<0.10
TCLP Silver	mg/L	5	<0.03	<0.03	<0.1	<0.50	<2.5	<0.50	<0.50

SU = Standard unit
mg/L = milligrams per liter
< = Less than indicated reporting limit

3. SLUDGE MONITORING

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

NO EXCEEDANCES WERE OBSERVED DURING 2005

3. SLUDGE MONITORING

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

NO EXCEEDANCES WERE OBSERVED DURING 2005