

TABLE 6.2
2003 ANNUAL DATA
SUPPLY WELL, SW1

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	June	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	June	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

TABLE 6.2
2003 ANNUAL DATA
SUPPLY WELL, SW1

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	June	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.000046	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	June	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.3
2003 SEMIANNUAL DATA
SUPPLY WELL, SW2

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	May	September	Mean	Max	Min	LIMIT
1S1	pH	0-14						
1S2	Temperature	°C						
1S3	Dissolved Oxygen	mg/l						
1S4	Electrical Conductivity	µmhos/cm						1600 ¹
900	Depth to Groundwater	ft						
C15	Total Petroleum Hydrocarbons	µg/l	<50	<50	<50	<50	<50	
155	Total Dissolved Solids	mg/l	284	306	295	306	284	1000 ²
201	Ammonia	mg-N/l	<0.1	0.3	<0.2	<0.3	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	0.3	<0.1	<0.2	0.3	<0.1	
204	Nitrate	mg-N/l	5.1	5.43	5.3	5.43	5.1	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	41	42	42	42	41	500 ⁴
301	Chloride	mg/l	35	38	37	38	35	500 ⁴
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	<500	<500	<500	<500	<500	
602	Chloroform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	27.1	20.1	23.6	27.1	20.1	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

TABLE 6.4
2003 ANNUAL DATA
SUPPLY WELL, SW2

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	May	September	LIMIT
206	Total Cyanides	µg/l	<5		200
312	Total Phenols	µg/l	<50	<11	
TEST	ANNUAL MRP (METALS)	UNIT	May	September	LIMIT
703	Calcium	mg/l	60.2	55.6	
704	Magnesium	mg/l	10.8	10.9	
705	Arsenic	mg/l	<0.001		0.05
706	Barium	mg/l	0.086		1
707	Aluminum	mg/l			1
708	Cadmium	mg/l	<0.0004		0.005
709	Total Chromium	mg/l	<0.01		0.05
711	Cobalt	mg/l			
712	Copper	mg/l	<0.008		1
713	Iron	mg/l	<0.05		0.3
714	Lead	mg/l	<0.002		
716	Manganese	mg/l	<0.005		0.05
717	Mercury	mg/l	<0.00004		0.002
718	Nickel	mg/l	<0.02		0.1
719	Potassium	mg/l	2.3	<10	
720	Selenium	mg/l	<0.001		0.05
722	Silver	mg/l	<0.025		0.1
724	Zinc	mg/l	0.053		5
725	Antimony	mg/l	<0.0005		0.006
726	Beryllium	mg/l	<0.0005		0.004
732	Molybdenum	mg/l			
734	Thallium	mg/l	<0.001		0.002
737	Vanadium	mg/l			

TABLE 6.4
2003 ANNUAL DATA
SUPPLY WELL, SW2

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	May	LIMIT
502	PP-DDF	µg/l	<0.01	
504	PP-DDD	µg/l	<0.01	
506	PP-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	May	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
643	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

TABLE 6.4
2003 ANNUAL DATA
SUPPLY WELL, SW2

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	May	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.00012	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	May	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.5
2003 SEMIANNUAL DATA
SUPPLY WELL, SW5

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	June	September	Mean	Max	Min	LIMIT
1S1	pH	0-14						
1S2	Temperature	°C						
1S3	Dissolved Oxygen	mg/l						
1S4	Electrical Conductivity	µmhos/cm						1600 ¹
900	Depth to Groundwater	ft						
C15	Total Petroleum Hydrocarbons	µg/l	<60	<60	<60	<60	<60	
155	Total Dissolved Solids	mg/l	341	337	339	341	337	1000 ²
201	Ammonia	mg-N/l	<0.1	0.3	<0.2	0.3	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	4.49	6.55	5.52	6.55	4.49	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	47	49	48	49	47	500 ⁴
301	Chloride	mg/l	62	40	51	62	40	500 ⁴
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	<500	<500	<500	<500	<500	
602	Chloroform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	30.6	31.3	31.0	31.3	30.6	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.6
2003 ANNUAL DATA
SUPPLY WELL, SW5**

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	June	September	LIMIT
206	Total Cyanides	µg/l	<5		200
312	Total Phenols	µg/l	<50	<11	
TEST	ANNUAL MRP (METALS)	UNIT	June	September	LIMIT
703	Calcium	mg/l	63.6	56.7	
704	Magnesium	mg/l	11.2	11	
705	Arsenic	mg/l	<0.001		0.05
706	Barium	mg/l	0.094		1
707	Aluminum	mg/l			1
708	Cadmium	mg/l	<0.0004		0.005
709	Total Chromium	mg/l	<0.01		0.05
711	Cobalt	mg/l			
712	Copper	mg/l	<0.008		1
713	Iron	mg/l	0.099		0.3
714	Lead	mg/l	0.004		
716	Manganese	mg/l	<0.005		0.05
717	Mercury	mg/l	<0.00004		0.002
718	Nickel	mg/l	<0.02		0.1
719	Potassium	mg/l	3.1	<10	
720	Selenium	mg/l	0.0013		0.05
722	Silver	mg/l	<0.025		0.1
724	Zinc	mg/l	0.188		5
725	Antimony	mg/l	<0.0005		0.006
726	Beryllium	mg/l	<0.0005		0.004
732	Molybdenum	mg/l			
734	Thallium	mg/l	<0.001		0.002
737	Vanadium	mg/l			

TABLE 6.6
2003 ANNUAL DATA
SUPPLY WELL, SW5

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	June	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	June	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

TABLE 6.6
2003 ANNUAL DATA
SUPPLY WELL, SW5

TEST	ANNUAL MRP (BASE/NEUTRAL)	UNIT	June	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.00024	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	June	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.7
2003 SEMIANNUAL DATA
SUPPLY WELL, SW7

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	April	July	Mean	Max	Min	LIMIT
1S1	pH	0-14						
1S2	Temperature	°C						
1S3	Dissolved Oxygen	mg/l						
1S4	Electrical Conductivity	µmhos/cm						1600 ¹
900	Depth to Groundwater	ft						
C15	Total Petroleum Hydrocarbons	µg/l	<60	<50	<55	<60	<50	
155	Total Dissolved Solids	mg/l	266	222	244	266	222	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	3.44	2.67	3.06	3.44	2.67	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	31	28.7	30	31	28.7	500 ⁴
301	Chloride	mg/l	23	19	21	23	19	500 ⁴
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	<500	<500	<500	<500	<500	
602	Chloroform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	24.5	15.3	19.9	24.5	15.3	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

TABLE 6.8
2003 ANNUAL DATA
SUPPLY WELL, SW7

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	April	July	LIMIT
206	Total Cyanides	µg/l	<5		200
312	Total Phenols	µg/l	<50	<11	
TEST	ANNUAL MRP (METALS)	UNIT	April	July	LIMIT
703	Calcium	mg/l	51.3	46.9	
704	Magnesium	mg/l	10	9.2	
705	Arsenic	mg/l	<0.001		0.05
706	Barium	mg/l	0.073		1
707	Aluminum	mg/l			1
708	Cadmium	mg/l	<0.0004		0.005
709	Total Chromium	mg/l	<0.01		0.05
711	Cobalt	mg/l			
712	Copper	mg/l	<0.008		1
713	Iron	mg/l	<0.05		0.3
714	Lead	mg/l	<0.002		
716	Manganese	mg/l	<0.005		0.05
717	Mercury	mg/l	<0.00004		0.002
718	Nickel	mg/l	<0.02		0.1
719	Potassium	mg/l	2.4	2.6	
720	Selenium	mg/l	<0.001		0.05
722	Silver	mg/l	<0.025		0.1
724	Zinc	mg/l	0.064		5
725	Antimony	mg/l	<0.0005		0.006
726	Beryllium	mg/l	<0.0005		0.004
732	Molybdenum	mg/l			
734	Thallium	mg/l	<0.001		0.002
737	Vanadium	mg/l			

TABLE 6.8
2003 ANNUAL DATA
SUPPLY WELL, SW7

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	April	July	LIMIT
502	PP'-DDE	µg/l	<0.01		
504	PP'-DDD	µg/l	<0.01		
506	PP'-DDT	µg/l	<0.01		
508	Alpha-BHC	µg/l	<0.01		
509	Lindane (Gamma-BHC)	µg/l	<0.01		0.2
510	Heptachlor	µg/l	<0.01		0.01
511	Heptachlor Epoxide	µg/l	<0.01		0.01
512	Aldrin	µg/l	<0.01		
513	Dieldrin	µg/l	<0.01		
514	Endrin	µg/l	<0.01		2
515	Toxaphene	µg/l	<0.5		3
519	Aroclor 1242	µg/l	<0.1		
520	Aroclor 1254	µg/l	<0.05		
523	Beta-BHC	µg/l	<0.01		
524	Delta-BHC	µg/l	<0.01		
531	Endosulfan I	µg/l	<0.01		
532	Endosulfan II	µg/l		<0.01	
533	Endosulfan Sulfate	µg/l		<0.1	
534	Endrin Aldehyde	µg/l		<0.01	
535	Aroclor 1016	µg/l	<0.1		0.5
536	Aroclor 1221	µg/l	<0.1		0.5
537	Aroclor 1232	µg/l	<0.1		0.5
538	Aroclor 1248	µg/l	<0.1		0.5
539	Aroclor 1260	µg/l	<0.1		0.5
540	Technical Chlordane	µg/l	<0.05		0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	April		LIMIT
601	Methylene Chloride	µg/l	<0.5		
603	1,1,1-Trichloroethane	µg/l	<0.5		200
604	Carbon Tetrachloride	µg/l	<0.5		0.5
605	1,1-Dichloroethene	µg/l	<0.5		6
606	Trichloroethylene	µg/l	<0.5		5
607	Tetrachloroethylene	µg/l	<0.5		5
611	Chlorobenzene	µg/l	<0.5		70
612	Vinyl Chloride	µg/l	<0.5		0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5		600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5		
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5		5
616	1,1-Dichloroethane	µg/l	<0.5		5
618	1,1,2-Trichloroethane	µg/l	<0.5		5
619	1,2-Dichloroethane	µg/l	<0.5		0.5
620	Benzene	µg/l	<0.5		1
621	Toluene	µg/l	<0.5		150
624	Ethyl Benzene	µg/l	<0.5		700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5		10
646	Bromomethane	µg/l	<0.5		
647	Chloroethane	µg/l	<0.5		
648	2-Chloroethylvinylether	µg/l	<0.5		
649	Chloromethane	µg/l	<0.5		
650	1,2-Dichloropropane	µg/l	<0.5		5
651	Cis-1,3-Dichloropropene	µg/l	<0.5		0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5		0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5		1
654	Acrolein	µg/l	<2		
655	Acrylonitrile	µg/l	<2		
662	Methyl Tertiary Butyl Ether	µg/l	<0.5		

**TABLE 6.8
2003 ANNUAL DATA
SUPPLY WELL, SW7**

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	April	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.000055	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	April	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.9
2003 SEMIANNUAL DATA
SUPPLY WELL, SW8

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	June	September	Mean	Max	Min	LIMIT
1S1	pH	0-14						
1S2	Temperature	°C						
1S3	Dissolved Oxygen	mg/l						
1S4	Electrical Conductivity	µmhos/cm						1600 ¹
900	Depth to Groundwater	ft						
C15	Total Petroleum Hydrocarbons	µg/l	<60	240	<150	240	<60	
155	Total Dissolved Solids	mg/l	235	234	235	235	234	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	2.88	2.92	2.90	2.92	2.88	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	32	31	32	32	31	500 ⁴
301	Chloride	mg/l	22	26	24	26	22	500 ⁴
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	268	<500	<384	<500	268	
602	Chloroform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	17.6	16	17	17.6	16	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.10
2003 ANNUAL DATA
SUPPLY WELL, SW8**

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	June	September	LIMIT
206	Total Cyanides	µg/l	<5		200
312	Total Phenols	µg/l	<11	<12	
TEST	ANNUAL MRP (METALS)	UNIT	June	September	LIMIT
703	Calcium	mg/l	48.5	40.5	
704	Magnesium	mg/l	9.3	8.6	
705	Arsenic	mg/l	<0.001		0.05
706	Barium	mg/l	0.067		1
707	Aluminum	mg/l			1
708	Cadmium	mg/l	<0.0004		0.005
709	Total Chromium	mg/l	<0.01		0.05
711	Cobalt	mg/l			
712	Copper	mg/l	<0.008		1
713	Iron	mg/l	<0.05		0.3
714	Lead	mg/l	<0.002		
716	Manganese	mg/l	<0.005		0.05
717	Mercury	mg/l	<0.00004		0.002
718	Nickel	mg/l	<0.02		0.1
719	Potassium	mg/l	2.5	<10	
720	Selenium	mg/l	<0.001		0.05
722	Silver	mg/l	<0.025		0.1
724	Zinc	mg/l	0.045		5
725	Antimony	mg/l	<0.0005		0.006
726	Beryllium	mg/l	<0.0005		0.004
732	Molybdenum	mg/l			
734	Thallium	mg/l	<0.001		0.002
737	Vanadium	mg/l			

TABLE 6.10
2003 ANNUAL DATA
SUPPLY WELL, SW8

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	June	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	June	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

TABLE 6.10
2003 ANNUAL DATA
SUPPLY WELL, SW8

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	June	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.000052	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	June	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.11
2003 SEMIANNUAL DATA
SUPPLY WELL, SW9

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	April	September	Mean	Max	Min	LIMIT
1S1	pH	0-14						
1S2	Temperature	°C						
1S3	Dissolved Oxygen	mg/l						
1S4	Electrical Conductivity	µmhos/cm						1600 ¹
900	Depth to Groundwater	ft						
C15	Total Petroleum Hydrocarbons	µg/l	<60	400	<230	400	<60	
155	Total Dissolved Solids	mg/l	261	230	246	261	230	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	3.24	2.66	2.95	3.24	2.66	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	28	26	27	28	26	500 ⁴
301	Chloride	mg/l	20	19	20	20	19	500 ⁴
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	<500	1610	<1055	1610	<500	
602	Chloroform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	25.2	14.6	19.9	25.2	14.6	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.12
2003 ANNUAL DATA
SUPPLY WELL, SW9**

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	April	September	LIMIT
206	Total Cyanides	µg/l	<5		200
312	Total Phenols	µg/l	<11	<50	
TEST	ANNUAL MRP (METALS)	UNIT	April	September	LIMIT
703	Calcium	mg/l	48.5	38.3	
704	Magnesium	mg/l	8.9	8.0	
705	Arsenic	mg/l	<0.001		0.05
706	Barium	mg/l	0.061		1
707	Aluminum	mg/l			1
708	Cadmium	mg/l	<0.0004		0.005
709	Total Chromium	mg/l	<0.01		0.05
711	Cobalt	mg/l			
712	Copper	mg/l	<0.008		1
713	Iron	mg/l	<0.05		0.3
714	Lead	mg/l	<0.002		
716	Manganese	mg/l	<0.005		0.05
717	Mercury	mg/l	<0.00004		0.002
718	Nickel	mg/l	<0.02		0.1
719	Potassium	mg/l	2.2	<10	
720	Selenium	mg/l	<0.001		0.05
722	Silver	mg/l	<0.025		0.1
724	Zinc	mg/l	0.046		5
725	Antimony	mg/l	<0.0005		0.006
726	Beryllium	mg/l	<0.0005		0.004
732	Molybdenum	mg/l			
734	Thallium	mg/l	<0.002		0.002
737	Vanadium	mg/l			

TABLE 6.12
2003 ANNUAL DATA
SUPPLY WELL, SW9

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	April	September	LIMIT
502	PP'-DDE	µg/l	<0.01		
504	PP'-DDD	µg/l	<0.01		
506	PP'-DDT	µg/l	<0.01		
508	Alpha-BHC	µg/l	<0.01		
509	Lindane (Gamma-BHC)	µg/l	<0.01		0.2
510	Heptachlor	µg/l	<0.01		0.01
511	Heptachlor Epoxide	µg/l	<0.01		0.01
512	Aldrin	µg/l	<0.01		
513	Dieldrin	µg/l	<0.01		
514	Endrin	µg/l	<0.01		2
515	Toxaphene	µg/l	<0.5		3
519	Aroclor 1242	µg/l	<0.1		
520	Aroclor 1254	µg/l	<0.05		
523	Beta-BHC	µg/l	<0.01		
524	Delta-BHC	µg/l	<0.01		
531	Endosulfan I	µg/l	<0.01		
532	Endosulfan II	µg/l		<0.01	
533	Endosulfan Sulfate	µg/l		<0.1	
534	Endrin Aldehyde	µg/l		<0.01	
535	Aroclor 1016	µg/l	<0.1		0.5
536	Aroclor 1221	µg/l	<0.1		0.5
537	Aroclor 1232	µg/l	<0.1		0.5
538	Aroclor 1248	µg/l	<0.1		0.5
539	Aroclor 1260	µg/l	<0.1		0.5
540	Technical Chlordane	µg/l	<0.05		0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	April		LIMIT
601	Methylene Chloride	µg/l	<0.5		
603	1,1,1-Trichloroethane	µg/l	<0.5		200
604	Carbon Tetrachloride	µg/l	<0.5		0.5
605	1,1-Dichloroethene	µg/l	<0.5		6
606	Trichloroethylene	µg/l	<0.5		5
607	Tetrachloroethylene	µg/l	<0.5		5
611	Chlorobenzene	µg/l	<0.5		70
612	Vinyl Chloride	µg/l	<0.5		0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5		600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5		
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5		5
616	1,1-Dichloroethane	µg/l	<0.5		5
618	1,1,2-Trichloroethane	µg/l	<0.5		5
619	1,2-Dichloroethane	µg/l	<0.5		0.5
620	Benzene	µg/l	<0.5		1
621	Toluene	µg/l	<0.5		150
624	Ethyl Benzene	µg/l	<0.5		700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5		10
646	Bromomethane	µg/l	<0.5		
647	Chloroethane	µg/l	<0.5		
648	2-Chloroethylvinylether	µg/l	<0.5		
649	Chloromethane	µg/l	<0.5		
650	1,2-Dichloropropane	µg/l	<0.5		5
651	Cis-1,3-Dichloropropene	µg/l	<0.5		0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5		0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5		1
654	Acrolein	µg/l	<2		
655	Acrylonitrile	µg/l	<2		
662	Methyl Tertiary Butyl Ether	µg/l	<0.5		

**TABLE 6.12
2003 ANNUAL DATA
SUPPLY WELL, SW9**

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	April	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.000059	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	April	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

**TABLE 6.13
2003 SEMIANNUAL DATA
SUPPLY WELL, SW10**

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	May	July	Mean	Max	Min	LIMIT
1S1	pH	0-14						
1S2	Temperature	°C						
1S3	Dissolved Oxygen	mg/l						
1S4	Electrical Conductivity	µmhos/cm						1600 ¹
900	Depth to Groundwater	ft						
C15	Total Petroleum Hydrocarbons	µg/l	<60	60	<60	60	<60	
155	Total Dissolved Solids	mg/l	727	732	730	732	727	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	11.9	13.7	12.8	13.7	11.9	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	110	99	105	110	99	500 ⁴
301	Chloride	mg/l	119	123	121	123	119	500 ⁴
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	1010	1040	1025	1040	1010	
602	Chloroform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	44.6	33.7	39.2	44.6	33.7	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.14
2003 ANNUAL DATA
SUPPLY WELL, SW10**

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	May	July	LIMIT
206	Total Cyanides	µg/l	<5		200
312	Total Phenols	µg/l	<11	<11	
TEST	ANNUAL MRP (METALS)	UNIT	May	July	LIMIT
703	Calcium	mg/l	150	160	
704	Magnesium	mg/l	31.6	33.4	
705	Arsenic	mg/l	<0.001		0.05
706	Barium	mg/l	0.237		1
707	Aluminum	mg/l			1
708	Cadmium	mg/l	<0.0004		0.005
709	Total Chromium	mg/l	<0.01		0.05
711	Cobalt	mg/l			
712	Copper	mg/l	<0.008		1
713	Iron	mg/l	<0.05		0.3
714	Lead	mg/l	0.002		
716	Manganese	mg/l	<0.005		0.05
717	Mercury	mg/l	<0.00004		0.002
718	Nickel	mg/l	<0.02		0.1
719	Potassium	mg/l	4.2	4.6	
720	Selenium	mg/l	<0.001		0.05
722	Silver	mg/l	<0.025		0.1
724	Zinc	mg/l	0.048		5
725	Antimony	mg/l	0.0015		0.006
726	Beryllium	mg/l	<0.0005		0.004
732	Molybdenum	mg/l			
734	Thallium	mg/l	<0.001		0.002
737	Vanadium	mg/l			

TABLE 6.14
2003 ANNUAL DATA
SUPPLY WELL, SW10

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	May	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	May	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

**TABLE 6.14
2003 ANNUAL DATA
SUPPLY WELL, SW10**

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	May		LIMIT
800	Acenaphthene	µg/l	<1		
801	Acenaphthylene	µg/l	<10		
802	Anthracene	µg/l	<10		
803	Benzidine	µg/l	<5		
804	Benzo(a)anthracene	µg/l	<5		
805	Benzo(a)pyrene	µg/l	<10		0.2
806	Benzo(b)fluoranthene	µg/l	<10		
807	1,12-Benzoperylene	µg/l	<5		
808	Benzo(k)fluoranthene	µg/l	<10		
809	Bis(2-chloroethoxy)methane	µg/l	<5		
810	Bis(2-Chloroethyl)ether	µg/l	<1		
811	Bis(2-chloroisopropyl)ether	µg/l	<2		
812	Bis(2-diethylhexyl)phthalate	µg/l	<5		4
813	4-Bromophenyl Phenyl Ether	µg/l	<5		
814	Butylbenzyl Phthalate	µg/l	<10		
815	2-Chloronaphthalene	µg/l	<10		
816	4-Chlorophenyl Phenyl Ether	µg/l	<5		
817	Chrysene	µg/l	<10		
818	1,2,5,6-Dibenzanthracene	µg/l	<10		
819	1,2-Dichlorobenzene	µg/l	<2		
820	1,3-Dichlorobenzene	µg/l	<1		
821	1,4-Dichlorobenzene	µg/l	<1		
822	3,3'-Dichlorobenzidine	µg/l	<5		
823	Diethyl Phthalate	µg/l	<2		
824	Dimethyl Phthalate	µg/l	<2		
825	Di-n-Butyl Phthalate	µg/l	<10		
826	2,4-Dinitrotoluene	µg/l	<5		
827	2,6-Dinitrotoluene	µg/l	<5		
828	Di-n-Octyl Phthalate	µg/l	<10		
829	1,2-Diphenylhydrazine	µg/l	<1		
830	Fluoranthene	µg/l	<1		
831	Fluorene	µg/l	<10		
832	Hexachlorobenzene	µg/l	<1		1
833	Hexachlorobutadiene	µg/l	<1		
834	Hexachlorocyclopentadiene	µg/l	<5		50
835	Hexachloroethane	µg/l	<1		
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10		
837	Isophorone	µg/l	<1		
838	Naphthalene	µg/l	<1		
839	Nitrobenzene	µg/l	<1		
840	n-Nitrosodimethylamine	µg/l	<5		
841	n-Nitrosodi-n-propylamine	µg/l	<5		
842	Phenanthrene	µg/l	<5		
843	Pyrene	µg/l	<10		
844	2,3,7,8-TCDD	µg/l	<0.000044		0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5		70
857	n-Nitrosodiphenylamine	µg/l	<1		
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	May		LIMIT
845	2-Chlorophenol	µg/l	<5		
847	2,4-Dichlorophenol	µg/l	<5		
848	2,4-Dimethylphenol	µg/l	<2		
849	2,4-Dinitrophenol	µg/l	<5		
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5		
851	2-Nitrophenol	µg/l	<10		
852	4-Nitrophenol	µg/l	<10		
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1		
854	Pentachlorophenol	µg/l	<5		1
855	Phenol	µg/l	<1		
856	2,4,6-Trichlorophenol	µg/l	<10		

TABLE 6.15
2003 SEMIANNUAL DATA
SUPPLY WELL, SWH2

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	May	LIMIT
1S1	pH	0-14		
1S2	Temperature	°C		
1S3	Dissolved Oxygen	mg/l		
1S4	Electrical Conductivity	µmhos/cm		1600 ¹
900	Depth to Groundwater	ft		
C15	Total Petroleum Hydrocarbons	µg/l	<60	
155	Total Dissolved Solids	mg/l	162	1000 ²
201	Ammonia	mg-N/l	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	
204	Nitrate	mg-N/l	0.53	10 ³
205	Nitrite	mg-N/l	<0.02	10 ³
257	Sulfate	mg/l	18	500 ⁴
301	Chloride	mg/l	11	500 ⁴
315	MBAS	mg/l	<0.1	0.50
405	Total Organic Carbon	µg/l	<500	
602	Chloroform	µg/l	<0.5	
608	Bromodichloromethane	µg/l	<0.5	
609	Dibromochloromethane	µg/l	<0.5	
610	Bromoform	µg/l	<0.5	
723	Sodium	mg/l	35.8	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.16
2003 ANNUAL DATA
SUPPLY WELL, SWH2**

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	May	LIMIT
206	Total Cyanides	µg/l	<5	200
312	Total Phenols	µg/l	51	
TEST	ANNUAL MRP (METALS)	UNIT	May	LIMIT
703	Calcium	mg/l	22.8	
704	Magnesium	mg/l	0.96	
705	Arsenic	mg/l	0.001	0.05
706	Barium	mg/l	0.021	1
707	Aluminum	mg/l		1
708	Cadmium	mg/l	<0.0004	0.005
709	Total Chromium	mg/l	<0.01	0.05
711	Cobalt	mg/l		
712	Copper	mg/l	<0.008	1
713	Iron	mg/l	<0.05	0.3
714	Lead	mg/l	0.002	
716	Manganese	mg/l	<0.005	0.05
717	Mercury	mg/l	<0.00004	0.002
718	Nickel	mg/l	<0.02	0.1
719	Potassium	mg/l	1	
720	Selenium	mg/l	<0.001	0.05
722	Silver	mg/l	<0.025	0.1
724	Zinc	mg/l	0.043	5
725	Antimony	mg/l	<0.0005	0.006
726	Beryllium	mg/l	<0.0005	0.004
732	Molybdenum	mg/l		
734	Thallium	mg/l	<0.001	0.002
737	Vanadium	mg/l		

TABLE 6.16
2003 ANNUAL DATA
SUPPLY WELL, SWH2

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	May	LIMIT
502	PP-DDE	µg/l	<0.01	
504	PP-DDD	µg/l	<0.01	
506	PP-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	May	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

**TABLE 6.16
2003 ANNUAL DATA
SUPPLY WELL, SWH2**

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	May	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.000049	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	May	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.17
2003 SEMIANNUAL DATA
MONITORING WELL, MW1

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	June	October	December	Mean	Max	Min	LIMIT
1S1	pH	0-14	6.74	7.08	7.52	7.11	7.52	6.74	
1S2	Temperature	°C	19.82	19.8	19.56	19.7	19.82	19.56	
1S3	Dissolved Oxygen	mg/l	0.67	0.86	1.28	0.94	1.28	0.67	
1S4	Electrical Conductivity	µmhos/cm	229	239	216	228	239	216	1600 ¹
900	Depth to Groundwater	ft	343.46	343.06	342.85	343.12	343.46	342.85	
C15	Total Petroleum Hydrocarbons	µg/l	540	360		450	540	360	
155	Total Dissolved Solids	mg/l	151	110	174	195	300	110	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.01		<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1		<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	0.28	<0.04	<0.04	<0.75	2.18	<0.04	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	17	18.6		42	66	18.6	500 ⁴
301	Chloride	mg/l	3.3	2.6		19	36	2.6	500 ⁴
315	MBAS	mg/l	<0.1	<0.1		<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	730	940		835	940	730	
602	Chloroform	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
723	Sodium	mg/l	19.3	10.5		14.9	19.3	10.5	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.18
2003 ANNUAL DATA
MONITORING WELL, MW1**

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	June	October		LIMIT
206	Total Cyanides	µg/l	<5			200
312	Total Phenols	µg/l	<11	<11		
TEST	ANNUAL MRP (METALS)	UNIT	June	October	December	LIMIT
703	Calcium	mg/l	24	24.3		
704	Magnesium	mg/l	4.81	5.6		
705	Arsenic	mg/l	<0.001			0.05
706	Barium	mg/l	0.044			1
707	Aluminum	mg/l			<0.05	1
708	Cadmium	mg/l	<0.0004			0.005
709	Total Chromium	mg/l	<0.01			0.05
711	Cobalt	mg/l			<0.01	
712	Copper	mg/l	<0.008			1
713	Iron	mg/l	0.174			0.3
714	Lead	mg/l	<0.002			
716	Manganese	mg/l	<0.005			0.05
717	Mercury	mg/l	<0.00004			0.002
718	Nickel	mg/l	<0.02			0.1
719	Potassium	mg/l	1.8	<10		
720	Selenium	mg/l	<0.001			0.05
722	Silver	mg/l	<0.025			0.1
724	Zinc	mg/l	0.036			5
725	Antimony	mg/l	0.001			0.006
726	Beryllium	mg/l	<0.0005			0.004
732	Molybdenum	mg/l			<0.04	
734	Thallium	mg/l	<0.001			0.002
737	Vanadium	mg/l			<0.02	

TABLE 6.18
2003 ANNUAL DATA
MONITORING WELL, MW1

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	June	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	June	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

**TABLE 6.18
2003 ANNUAL DATA
MONITORING WELL, MW1**

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	June	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.00008	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	June	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

**TABLE 6.19
2003 SEMIANNUAL DATA
MONITORING WELL, MW2**

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	April	July	Mean	Max	Min	LIMIT
1S1	pH	0-14	8.24	7.43	7.84	8.24	7.43	
1S2	Temperature	°C	23.7	20.13	21.9	23.7	20.13	
1S3	Dissolved Oxygen	mg/l	0.87	1.03	0.95	1.03	0.87	
1S4	Electrical Conductivity	µmhos/cm	206.4	212	209.2	212	206.4	1600 ¹
900	Depth to Groundwater	ft	495.1	506.95	501.0	506.95	495.1	
C15	Total Petroleum Hydrocarbons	µg/l	260	180	220	260	180	
155	Total Dissolved Solids	mg/l	165	132	149	165	132	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	0.41	<0.04	<0.23	0.41	<0.04	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	17	21.1	19	21.1	17	500 ⁴
301	Chloride	mg/l	3	4	4	4	3	500 ⁴
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	760	890	825	890	760	
602	Chloroform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	41.5	31.8	36.7	41.5	31.8	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

TABLE 6.20
2003 ANNUAL DATA
MONITORING WELL, MW2

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	April	July	LIMIT
206	Total Cyanides	ug/l	<5		200
312	Total Phenols	ug/l	<50	<11	
TEST	ANNUAL MRP (METALS)	UNIT	April	July	LIMIT
703	Calcium	mg/l	19.3	21.1	
704	Magnesium	mg/l	2.3	3.45	
705	Arsenic	mg/l	<0.001		0.05
706	Barium	mg/l	0.041		1
707	Aluminum	mg/l			1
708	Cadmium	mg/l	<0.0004		0.005
709	Total Chromium	mg/l	0.024		0.05
711	Cobalt	mg/l			
712	Copper	mg/l	0.011		1
713	Iron	mg/l	3.41		0.3
714	Lead	mg/l	0.002		
716	Manganese	mg/l	0.069		0.05
717	Mercury	mg/l	<0.00004		0.002
718	Nickel	mg/l	<0.02		0.1
719	Potassium	mg/l	2	2.9	
720	Selenium	mg/l	<0.001		0.05
722	Silver	mg/l	<0.025		0.1
724	Zinc	mg/l	0.104		5
725	Antimony	mg/l	<0.0005		0.006
726	Beryllium	mg/l	<0.0005		0.004
732	Molybdenum	mg/l			
734	Thallium	mg/l	<0.001		0.002
737	Vanadium	mg/l			

**TABLE 6.20
2003 ANNUAL DATA
MONITORING WELL, MW2**

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	April	July	LIMIT
502	PP'-DDE	µg/l	<0.01		
504	PP'-DDD	µg/l	<0.01		
506	PP'-DDT	µg/l	<0.01		
508	Alpha-BHC	µg/l	<0.01		
509	Lindane (Gamma-BHC)	µg/l	<0.01		0.2
510	Heptachlor	µg/l	<0.01		0.01
511	Heptachlor Epoxide	µg/l	<0.01		0.01
512	Aldrin	µg/l	<0.01		
513	Dieldrin	µg/l	<0.01		
514	Endrin	µg/l	<0.01	<0.01	2
515	Toxaphene	µg/l	<0.5		3
519	Aroclor 1242	µg/l	<0.1		
520	Aroclor 1254	µg/l	<0.05		
523	Beta-BHC	µg/l	<0.01		
524	Delta-BHC	µg/l	<0.01		
531	Endosulfan I	µg/l	<0.01		
532	Endosulfan II	µg/l		<0.01	
533	Endosulfan Sulfate	µg/l		<0.1	
534	Endrin Aldehyde	µg/l		<0.01	
535	Aroclor 1016	µg/l	<0.1		0.5
536	Aroclor 1221	µg/l	<0.1		0.5
537	Aroclor 1232	µg/l	<0.1		0.5
538	Aroclor 1248	µg/l	<0.1		0.5
539	Aroclor 1260	µg/l	<0.1		0.5
540	Technical Chlordane	µg/l	<0.05		0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	April		LIMIT
601	Methylene Chloride	µg/l	<0.5		
603	1,1,1-Trichloroethane	µg/l	<0.5		200
604	Carbon Tetrachloride	µg/l	<0.5		0.5
605	1,1-Dichloroethene	µg/l	<0.5		6
606	Trichloroethylene	µg/l	<0.5		5
607	Tetrachloroethylene	µg/l	<0.5		5
611	Chlorobenzene	µg/l	<0.5		70
612	Vinyl Chloride	µg/l	<0.5		0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5		600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5		
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5		5
616	1,1-Dichloroethane	µg/l	<0.5		5
618	1,1,2-Trichloroethane	µg/l	<0.5		5
619	1,2-Dichloroethane	µg/l	<0.5		0.5
620	Benzene	µg/l	<0.5		1
621	Toluene	µg/l	<0.5		150
624	Ethyl Benzene	µg/l	<0.5		700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5		10
646	Bromomethane	µg/l	<0.5		
647	Chloroethane	µg/l	<0.5		
648	2-Chloroethylvinylether	µg/l	<0.5		
649	Chloromethane	µg/l	<0.5		
650	1,2-Dichloropropane	µg/l	<0.5		5
651	Cis-1,3-Dichloropropene	µg/l	<0.5		0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5		0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5		1
654	Acrolein	µg/l	<2		
655	Acrylonitrile	µg/l	<2		
662	Methyl Tertiary Butyl Ether	µg/l	<0.5		

**TABLE 6.20
2003 ANNUAL DATA
MONITORING WELL, MW2**

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	April	July	LIMIT
800	Acenaphthene	µg/l	<1		
801	Acenaphthylene	µg/l	<10		
802	Anthracene	µg/l	<10		
803	Benzidine	µg/l	<5		
804	Benzo(a)anthracene	µg/l	<5		
805	Benzo(a)pyrene	µg/l	<10		0.2
806	Benzo(b)fluoranthene	µg/l	<10		
807	1,12-Benzoperylene	µg/l	<5		
808	Benzo(k)fluoranthene	µg/l	<10		
809	Bis(2-chloroethoxy)methane	µg/l	<5		
810	Bis(2-Chloroethyl)ether	µg/l	<1		
811	Bis(2-chloroisopropyl)ether	µg/l	<2		
812	Bis(2-diethylhexyl)phthalate	µg/l	6.5	<2	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5		
814	Butylbenzyl Phthalate	µg/l	<10		
815	2-Chloronaphthalene	µg/l	<10		
816	4-Chlorophenyl Phenyl Ether	µg/l	<5		
817	Chrysene	µg/l	<10		
818	1,2,5,6-Dibenzanthracene	µg/l	<10		
819	1,2-Dichlorobenzene	µg/l	<2		
820	1,3-Dichlorobenzene	µg/l	<1		
821	1,4-Dichlorobenzene	µg/l	<1		
822	3,3'-Dichlorobenzidine	µg/l	<5		
823	Diethyl Phthalate	µg/l	<2		
824	Dimethyl Phthalate	µg/l	<2		
825	Di-n-Butyl Phthalate	µg/l	<10		
826	2,4-Dinitrotoluene	µg/l	<5		
827	2,6-Dinitrotoluene	µg/l	<5		
828	Di-n-Octyl Phthalate	µg/l	<10		
829	1,2-Diphenylhydrazine	µg/l	<1		
830	Fluoranthene	µg/l	<1		
831	Fluorene	µg/l	<10		
832	Hexachlorobenzene	µg/l	<1		1
833	Hexachlorobutadiene	µg/l	<1		
834	Hexachlorocyclopentadiene	µg/l	<5		50
835	Hexachloroethane	µg/l	<1		
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10		
837	Isophorone	µg/l	<1		
838	Naphthalene	µg/l	<1		
839	Nitrobenzene	µg/l	<1		
840	n-Nitrosodimethylamine	µg/l	<5		
841	n-Nitrosodi-n-propylamine	µg/l	<5		
842	Phenanthrene	µg/l	<5		
843	Pyrene	µg/l	<10		
844	2,3,7,8-TCDD	µg/l	<0.000094		0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5		70
857	n-Nitrosodiphenylamine	µg/l	<1		
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	April		LIMIT
845	2-Chlorophenol	µg/l	<5		
847	2,4-Dichlorophenol	µg/l	<5		
848	2,4-Dimethylphenol	µg/l	<2		
849	2,4-Dinitrophenol	µg/l	<5		
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-	µg/l	<5		
851	2-Nitrophenol	µg/l	<10		
852	4-Nitrophenol	µg/l	<10		
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-	µg/l	<1		
854	Pentachlorophenol	µg/l	<5		1
855	Phenol	µg/l	<1		
856	2,4,6-Trichlorophenol	µg/l	<10		

TABLE 6.21
2003 SEMIANNUAL DATA
MONITORING WELL, MW4

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	March	May	September	October	Mean	Max	Min	LIMIT
1S1	pH	0-14	6.93	6.93	6.73	7.24	6.96	7.24	6.73	
1S2	Temperature	°C	18.1	18.2	18.37	18.43	18.3	18.43	18.1	
1S3	Dissolved Oxygen	mg/l	6.13	1.18	6.76	7.05	5.28	7.05	1.18	
1S4	Electrical Conductivity	µmhos/cm	986	968	1072	1097	1031	1097	968	1600 ¹
900	Depth to Groundwater	ft	271.5	271.26	272.28	271.75	271.7	272.28	271.26	
C15	Total Petroleum Hydrocarbons	µg/l		<50	<50		<50	<50	<50	
155	Total Dissolved Solids	mg/l	634	621	589	637	620	637	589	1000 ²
201	Ammonia	mg-N/l		<0.1	<0.1		<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l		<0.1	<0.1		<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	9.93	9.85	10.7	11.2	10.4	11.2	9.85	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l		82	74.1		78	82	74.1	500 ⁴
301	Chloride	mg/l		105	108		107	108	105	500 ⁴
315	MBAS	mg/l		<0.1	<0.1		<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l		910	940		925	940	910	
602	Chloroform	µg/l		<0.5	<0.5		<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l		<0.5	<0.5		<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l		<0.5	<0.5		<0.5	<0.5	<0.5	
610	Bromoform	µg/l		<0.5	<0.5		<0.5	<0.5	<0.5	
723	Sodium	mg/l		64.8	62.2		63.5	64.8	62.2	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

TABLE 6.22
2003 ANNUAL DATA
MONITORING WELL, MW4

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	May	September	LIMIT
206	Total Cyanides	µg/l	<5		200
312	Total Phenols	µg/l	<13	<50	
TEST	ANNUAL MRP (METALS)	UNIT	May	September	LIMIT
703	Calcium	mg/l	130	110	
704	Magnesium	mg/l	25.2	27.1	
705	Arsenic	mg/l	<0.001	<0.001	0.05
706	Barium	mg/l	0.2	0.194	1
707	Aluminum	mg/l			1
708	Cadmium	mg/l	<0.0004		0.005
709	Total Chromium	mg/l	<0.01	<0.01	0.05
711	Cobalt	mg/l			
712	Copper	mg/l	<0.008	<0.008	1
713	Iron	mg/l	<0.05		0.3
714	Lead	mg/l	0.006	<0.002	
716	Manganese	mg/l	<0.005		0.05
717	Mercury	mg/l	<0.00004	<0.00004	0.002
718	Nickel	mg/l	<0.02	<0.02	0.1
719	Potassium	mg/l	3.8	<10	
720	Selenium	mg/l	<0.001	<0.001	0.05
722	Silver	mg/l	<0.025	<0.025	0.1
724	Zinc	mg/l	0.042	0.055	5
725	Antimony	mg/l	<0.0005	<0.0005	0.006
726	Beryllium	mg/l	<0.0005		0.004
732	Molybdenum	mg/l			
734	Thallium	mg/l	<0.001	<0.001	0.002
737	Vanadium	mg/l			

**TABLE 6.22
2003 ANNUAL DATA
MONITORING WELL, MW4**

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	May	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	May	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

TABLE 6.22
2003 ANNUAL DATA
MONITORING WELL, MW4

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	May	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.000096	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	May	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<1	

EXHIBIT I-4 TO CITY OF LOS ANGELES' RESPONSE TO DISCOVERY ORDER

TABLE 6.23
2003 SEMIANNUAL DATA
MONITORING WELL, MW15

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	June	September	Mean	Max	Min	LIMIT
1S1	pH	0-14	7.37	6.9	7.1	7.37	6.9	
1S2	Temperature	°C	16.67	17.59	17.13	17.59	16.67	
1S3	Dissolved Oxygen	mg/l	1.46	7.69	4.58	7.69	1.46	
1S4	Electrical Conductivity	µmhos/cm	318	360	339	360	318	1600 ¹
900	Depth to Groundwater	ft	310.57	317.72	314.15	317.72	310.57	
C15	Total Petroleum Hydrocarbons	µg/l	140	<50	<95	140	<50	
155	Total Dissolved Solids	mg/l	204	197	201	204	197	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	1.69	5.02	3.36	5.02	1.69	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	21	19.5	20	21	19.5	500 ⁴
301	Chloride	mg/l	9.5	32.6	21.1	32.6	9.5	500 ⁴
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	1410	730	1070	1410	730	
602	Chloroform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	12.5	13.7	13.1	13.7	12.5	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.24
2003 ANNUAL DATA
MONITORING WELL, MW15**

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	June	September	LIMIT
206	Total Cyanides	µg/l	<5		200
312	Total Phenols	µg/l	<10	<11	
TEST	ANNUAL MRP (METALS)	UNIT	June	September	LIMIT
703	Calcium	mg/l	45.7	38.4	
704	Magnesium	mg/l	8.78	8.3	
705	Arsenic	mg/l	<0.001		0.05
706	Barium	mg/l	0.057		1
707	Aluminum	mg/l			1
708	Cadmium	mg/l	<0.0004		0.005
709	Total Chromium	mg/l	<0.01		0.05
711	Cobalt	mg/l			
712	Copper	mg/l	<0.008		1
713	Iron	mg/l	<0.05		0.3
714	Lead	mg/l	<0.002		
716	Manganese	mg/l	<0.005		0.05
717	Mercury	mg/l	<0.00004		0.002
718	Nickel	mg/l	<0.02		0.1
719	Potassium	mg/l	2.6	<10	
720	Selenium	mg/l	<0.001		0.05
722	Silver	mg/l	<0.025		0.1
724	Zinc	mg/l	0.045		5
725	Antimony	mg/l	<0.0005		0.006
726	Beryllium	mg/l	<0.0005		0.004
732	Molybdenum	mg/l			
734	Thallium	mg/l	<0.001		0.002
737	Vanadium	mg/l			

**TABLE 6.24
2003 ANNUAL DATA
MONITORING WELL, MW15**

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	June	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	June	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

**TABLE 6.24
2003 ANNUAL DATA
MONITORING WELL, MW15**

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	June	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.00022	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	June	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.25
2003 SEMIANNUAL DATA
MONITORING WELL, MW16

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	June	October	December	Mean	Max	Min	LIMIT
1S1	pH	0-14	7.36	7.69	8.07	7.71	8.07	7.36	
1S2	Temperature	°C	16.34	16.62	16.33	16.43	16.62	16.33	
1S3	Dissolved Oxygen	mg/l	2.24	7.34	3.55	4.38	7.34	2.24	
1S4	Electrical Conductivity	µmhos/cm	213	315	201	243	315	201	1600 ¹
900	Depth to Groundwater	ft	305.43	309.39	309.9	308.2	309.9	305.43	
C15	Total Petroleum Hydrocarbons	µg/l	210	<50		<130	210	<50	
155	Total Dissolved Solids	mg/l	134	129		140	151	129	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.01		<0.06	<0.1	<0.01	
203	Kjeldahl Nitrogen	mg-N/l	0.5	<0.1		<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	0.92	0.66		0.47	0.66	0.28	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02		<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	16	15.1		16	17	15.1	500 ⁴
301	Chloride	mg/l	4.9	4.3		3.8	4.3	3.3	500 ⁴
315	MBAS	mg/l	<0.1	<0.1		<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	<500	530		<515	530	<500	
602	Chloroform	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
723	Sodium	mg/l	11	22.5		17	22.5	11	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

TABLE 6.26
2003 ANNUAL DATA
MONITORING WELL, MW16

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	June	October		LIMIT
206	Total Cyanides	µg/l	<5			200
312	Total Phenols	µg/l	<50	<11		
TEST	ANNUAL MRP (METALS)	UNIT	June	October	December	LIMIT
703	Calcium	mg/l	27.4	22.1		
704	Magnesium	mg/l	5.71	4.6		
705	Arsenic	mg/l	<0.001			0.05
706	Barium	mg/l	0.037			1
707	Aluminum	mg/l			0.06	1
708	Cadmium	mg/l	<0.0004			0.005
709	Total Chromium	mg/l	<0.01			0.05
711	Cobalt	mg/l			<0.01	
712	Copper	mg/l	<0.008			1
713	Iron	mg/l	0.133			0.3
714	Lead	mg/l	<0.002			
716	Manganese	mg/l	<0.005			0.05
717	Mercury	mg/l	<0.00004			0.002
718	Nickel	mg/l	<0.02			0.1
719	Potassium	mg/l	1.9	<10		
720	Selenium	mg/l	<0.001			0.05
722	Silver	mg/l	<0.025			0.1
724	Zinc	mg/l	0.03			5
725	Antimony	mg/l	0.0006			0.006
726	Beryllium	mg/l	<0.0005			0.004
732	Molybdenum	mg/l			<0.04	
734	Thallium	mg/l	<0.001			0.002
737	Vanadium	mg/l			<0.02	

TABLE 6.26
2003 ANNUAL DATA
MONITORING WELL, MW16

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	June	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	June	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

**TABLE 6.26
2003 ANNUAL DATA
MONITORING WELL, MW16**

TEST	ANNUAL MRP (BASE/NEUTRAL)	UNIT	June	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.0001	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	June	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.27
2003 SEMIANNUAL DATA
MONITORING WELL, MW17

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	June	LIMIT
1S1	pH	0-14	6.96	
1S2	Temperature	°C	16.9	
1S3	Dissolved Oxygen	mg/l	0.67	
1S4	Electrical Conductivity	µmhos/cm	475	1600 ¹
900	Depth to Groundwater	ft	279.83	
C15	Total Petroleum Hydrocarbons	µg/l	160	
155	Total Dissolved Solids	mg/l	300	1000 ²
201	Ammonia	mg-N/l	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	
204	Nitrate	mg-N/l	2.18	10 ³
205	Nitrite	mg-N/l	<0.02	10 ³
257	Sulfate	mg/l	66	500 ⁴
301	Chloride	mg/l	36	500 ⁴
315	MBAS	mg/l	<0.1	0.50
405	Total Organic Carbon	µg/l	1290	
602	Chloroform	µg/l	<0.5	
608	Bromodichloromethane	µg/l	<0.5	
609	Dibromochloromethane	µg/l	<0.5	
610	Bromoform	µg/l	<0.5	
723	Sodium	mg/l	38.7	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

TABLE 6.28
2003 ANNUAL DATA
MONITORING WELL, MW17

TEST	ANNUAL MRP (MISCELLANEOUS)	UNIT	June	LIMIT
206	Total Cyanides	µg/l	<5	200
312	Total Phenols	µg/l	<11	
TEST	ANNUAL MRP (METALS)	UNIT	June	LIMIT
703	Calcium	mg/l	51	
704	Magnesium	mg/l	8.95	
705	Arsenic	mg/l	<0.001	0.05
706	Barium	mg/l	0.079	1
707	Aluminum	mg/l		1
708	Cadmium	mg/l	<0.0004	0.005
709	Total Chromium	mg/l	0.073	0.05
711	Cobalt	mg/l		
712	Copper	mg/l	<0.008	1
713	Iron	mg/l	0.436	0.3
714	Lead	mg/l	0.002	
716	Manganese	mg/l	<0.005	0.05
717	Mercury	mg/l	<0.00004	0.002
718	Nickel	mg/l	<0.02	0.1
719	Potassium	mg/l	2.7	
720	Selenium	mg/l	<0.001	0.05
722	Silver	mg/l	<0.025	0.1
724	Zinc	mg/l	0.036	5
725	Antimony	mg/l	0.0009	0.006
726	Beryllium	mg/l	<0.0005	0.004
732	Molybdenum	mg/l		
734	Thallium	mg/l	<0.001	0.002
737	Vanadium	mg/l		

TABLE 6.28
2003 ANNUAL DATA
MONITORING WELL, MW17

TEST	ANNUAL MRP (PESTICIDES & PCBs)	UNIT	June	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	ANNUAL MRP (VOLATILE ORGANICS)	UNIT	June	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

**TABLE 6.28
2003 ANNUAL DATA
MONITORING WELL, MW17**

TEST	ANNUAL MRP (BASE/NEUTRAL EXTRACTIBLES)	UNIT	June	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.000086	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ANNUAL MRP (ACID EXTRACTIBLES)	UNIT	June	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.29
2003 SEMIANNUAL DATA
MONITORING WELL, MW18

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	March	May	September	October	December	Mean	Max	Min	LIMIT
1S1	pH	0-14	5.68	6.82	6.87	7.56	7.26	6.84	7.56	5.68	
1S2	Temperature	°C	8.27	18.55	19.07	18.21	17.31	16.28	19.07	8.27	
1S3	Dissolved Oxygen	mg/l	10.08	1	6.6	6.5	0.62	5	10.08	0.62	
1S4	Electrical Conductivity	µmhos/cm	944	936	774	742	746	828	944	742	1600 ¹
900	Depth to Groundwater	ft	312.8	317.96	319.4	319.98	319.5	317.9	319.98	312.8	
C15	Total Petroleum Hydrocarbons	µg/l		540	70			305	540	70	
155	Total Dissolved Solids	mg/l	645	626	442	429		536	645	429	1000 ²
201	Ammonia	mg-N/l		<0.1	<0.1			<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l		0.6	<0.1			<0.4	0.6	<0.1	
204	Nitrate	mg-N/l	15.8	14.6	10.7	9.80		12.7	15.8	9.80	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02		<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l		95	74.8			85	95	74.8	500 ⁴
301	Chloride	mg/l		92	60.8			76	92	60.8	500 ⁴
315	MBAS	mg/l		<0.1	<0.1			<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l		2540	740			1640	2540	740	
602	Chloroform	µg/l		<0.5	<0.5			<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l		<0.5	<0.5			<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l		<0.5	<0.5			<0.5	<0.5	<0.5	
610	Bromoform	µg/l		<0.5	<0.5			<0.5	<0.5	<0.5	
723	Sodium	mg/l		38	27.1			33	38	27.1	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.30
2003 ANNUAL DATA
MONITORING WELL, MW18**

TEST	MISCELLANEOUS PARAMETERS	UNIT	May	September		LIMIT
206	Total Cyanides	µg/l	<5			200
312	Total Phenols	µg/l	<12	<11		
TEST	METALS	UNIT	May	September	December	LIMIT
703	Calcium	mg/l	140	85.8		
704	Magnesium	mg/l	26.3	19.1		
705	Arsenic	mg/l	<0.001	<0.001		0.05
706	Barium	mg/l	0.198	0.134		1
707	Aluminum	mg/l			<0.05	1
708	Cadmium	mg/l	<0.0004		<0.0004	0.005
709	Total Chromium	mg/l	<0.01	<0.01		0.05
711	Cobalt	mg/l			<0.01	
712	Copper	mg/l	<0.008	<0.008		1
713	Iron	mg/l	<0.05		<0.05	0.3
714	Lead	mg/l	<0.002	<0.002		
716	Manganese	mg/l	<0.005		<0.005	0.05
717	Mercury	mg/l	<0.00004	<0.00004		0.002
718	Nickel	mg/l	<0.02	<0.02		0.1
719	Potassium	mg/l	3.5	<10		
720	Selenium	mg/l	<0.001	<0.001		0.05
722	Silver	mg/l	<0.025	<0.025		0.1
724	Zinc	mg/l	0.046	0.045		5
725	Antimony	mg/l	<0.0005	<0.0005		0.006
726	Beryllium	mg/l	<0.0005			0.004
732	Molybdenum	mg/l			<0.04	
734	Thallium	mg/l	<0.001	<0.001		0.002
737	Vanadium	mg/l			<0.02	

**TABLE 6.30
2003 ANNUAL DATA
MONITORING WELL, MW18**

TEST	PESTICIDES & PCBs	UNIT	May	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	VOLATILE ORGANICS	UNIT	May	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

**TABLE 6.30
2003 ANNUAL DATA
MONITORING WELL, MW18**

TEST	BASE/NEUTRAL EXTRACTIBLES	UNIT	May	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.000083	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ACID EXTRACTIBLES	UNIT	May	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.31
2003 SEMIANNUAL DATA
MONITORING WELL, MW20

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	January	December		Mean	Max	Min	LIMIT
1S1	pH	0-14		7.31	7.06	7.19	7.31	7.06	
1S2	Temperature	°C		19.19	17.36	18.28	19.19	17.36	
1S3	Dissolved Oxygen	mg/l		4.82	1.70	3.26	4.82	1.70	
1S4	Electrical Conductivity	µmhos/cm		1085	1032	1059	1085	1032	1600 ¹
900	Depth to Groundwater	ft	266.84	265.90	266.00	266.40	266.84	265.90	
C15	Total Petroleum Hydrocarbons	µg/l	<50	<50		<50	<50	<50	
155	Total Dissolved Solids	mg/l	649	665	653	654	665	649	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1		<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1		<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	10.00	13.14	13.60	11.69	13.60	10.00	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	77.0	76.2		76.6	77.0	76.2	500 ⁴
301	Chloride	mg/l	121	114		118	121	114	500 ⁴
315	MBAS	mg/l	<0.1	<0.1		<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	960	910		935	960	910	
602	Chloroform	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
723	Sodium	mg/l	36.8	38.4		37.6	38.4	36.8	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.32
2003 ANNUAL DATA
MONITORING WELL, MW20**

TEST	MISCELLANEOUS PARAMETERS	UNIT	January	December	LIMIT
206	Total Cyanides	µg/l	<5	<5	200
312	Total Phenols	µg/l	<6	<50	
TEST	METALS	UNIT	January	December	LIMIT
703	Calcium	mg/l	125	128	
704	Magnesium	mg/l	26.9	27.3	
705	Arsenic	mg/l	<0.001	<0.001	0.05
706	Barium	mg/l	0.18	0.164	1
707	Aluminum	mg/l	<0.05		1
708	Cadmium	mg/l	<0.0004	<0.0004	0.005
709	Total Chromium	mg/l	<0.01	<0.01	0.05
711	Cobalt	mg/l	<0.01		
712	Copper	mg/l	<0.008	<0.008	1
713	Iron	mg/l	0.06	<0.05	0.3
714	Lead	mg/l	<0.002	<0.002	
716	Manganese	mg/l	0.01	<0.005	0.05
717	Mercury	mg/l	<0.00004	<0.00004	0.002
718	Nickel	mg/l	<0.02	<0.02	0.1
719	Potassium	mg/l	3.7	<10	
720	Selenium	mg/l	<0.001	<0.001	0.05
722	Silver	mg/l	<0.025	<0.025	0.1
724	Zinc	mg/l	0.05	0.018	5
725	Antimony	mg/l	<0.0005	<0.0005	0.006
726	Beryllium	mg/l	<0.0005	<0.0005	0.004
732	Molybdenum	mg/l		<0.04	
734	Thallium	mg/l	<0.001	<0.001	0.002
737	Vanadium	mg/l	<0.02		

**TABLE 6.32
2003 ANNUAL DATA
MONITORING WELL, MW20**

TEST	PESTICIDES & PCBs	UNIT	January	December	LIMIT
502	PP'-DDE	µg/l	<0.01	<0.01	
504	PP'-DDD	µg/l	<0.01	<0.01	
506	PP'-DDT	µg/l	<0.01	<0.01	
508	Alpha-BHC	µg/l	<0.01	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	<0.01	0.2
510	Heptachlor	µg/l	<0.01	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	<0.01	0.01
512	Aldrin	µg/l	<0.01	<0.01	
513	Dieldrin	µg/l	<0.01	<0.01	
514	Endrin	µg/l	<0.01	<0.01	2
515	Toxaphene	µg/l	<0.5	<0.5	3
519	Aroclor 1242	µg/l	<0.1	<0.1	
520	Aroclor 1254	µg/l	<0.05	<0.05	
523	Beta-BHC	µg/l	<0.01	<0.01	
524	Delta-BHC	µg/l	<0.01	<0.01	
531	Endosulfan I	µg/l	<0.01	<0.01	
532	Endosulfan II	µg/l	<0.01	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	<0.01	
535	Aroclor 1016	µg/l	<0.1	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	<0.05	0.1
TEST	VOLATILE ORGANICS	UNIT	January	December	LIMIT
601	Methylene Chloride	µg/l	<0.5	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	<0.5	6
606	Trichloroethylene	µg/l	<0.5	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	<0.5	5
611	Chlorobenzene	µg/l	<0.5	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	<0.5	0.5
620	Benzene	µg/l	<0.5	<0.5	1
621	Toluene	µg/l	<0.5	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	<0.5	10
646	Bromomethane	µg/l	<0.5	<0.5	
647	Chloroethane	µg/l	<0.5	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	<0.5	
649	Chloromethane	µg/l	<0.5	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	<0.5	1
654	Acrolein	µg/l	<10	<10	
655	Acrylonitrile	µg/l	<5	<5	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	<0.5	

**TABLE 6.32
2003 ANNUAL DATA
MONITORING WELL, MW20**

TEST	BASE/NEUTRAL EXTRACTIBLES	UNIT	January	December	LIMIT
800	Acenaphthene	µg/l	<1	<1	
801	Acenaphthylene	µg/l	<10	<10	
802	Anthracene	µg/l	<10	<10	
803	Benzidine	µg/l	<5	<5	
804	Benzo(a)anthracene	µg/l	<5	<5	
805	Benzo(a)pyrene	µg/l	<10	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	<0.02	
807	1,12-Benzoperylene	µg/l	<5	<5	
808	Benzo(k)fluoranthene	µg/l	<10	<0.02	
809	Bis(2-chloroethoxy)methane	µg/l	<5	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	<2	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	<5	
814	Butylbenzyl Phthalate	µg/l	<10	<10	
815	2-Chloronaphthalene	µg/l	<10	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	<5	
817	Chrysene	µg/l	<10	<0.02	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	<0.02	
819	1,2-Dichlorobenzene	µg/l	<2	<2	
820	1,3-Dichlorobenzene	µg/l	<1	<1	
821	1,4-Dichlorobenzene	µg/l	<1	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	<5	
823	Diethyl Phthalate	µg/l	<2	<2	
824	Dimethyl Phthalate	µg/l	<2	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	<10	
826	2,4-Dinitrotoluene	µg/l	<5	<5	
827	2,6-Dinitrotoluene	µg/l	<5	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	<1	
830	Fluoranthene	µg/l	<1	<1	
831	Fluorene	µg/l	<10	<10	
832	Hexachlorobenzene	µg/l	<1	<1	1
833	Hexachlorobutadiene	µg/l	<1	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	<5	50
835	Hexachloroethane	µg/l	<1	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	<0.02	
837	Isophorone	µg/l	<1	<1	
838	Naphthalene	µg/l	<1	<1	
839	Nitrobenzene	µg/l	<1	<1	
840	n-Nitrosodimethylamine	µg/l	<5	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	<5	
842	Phenanthrene	µg/l	<5	<5	
843	Pyrene	µg/l	<10	<10	
844	2,3,7,8-TCDD	µg/l	<0.00066	<0.0041	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	<1	
TEST	ACID EXTRACTIBLES	UNIT	January	December	LIMIT
845	2-Chlorophenol	µg/l	<5	<5	
847	2,4-Dichlorophenol	µg/l	<5	<5	
848	2,4-Dimethylphenol	µg/l	<2	<2	
849	2,4-Dinitrophenol	µg/l	<5	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	<5	
851	2-Nitrophenol	µg/l	<10	<10	
852	4-Nitrophenol	µg/l	<10	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	<1	
854	Pentachlorophenol	µg/l	<5	<5	1
855	Phenol	µg/l	<1	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	<10	

TABLE 6.33
2003 SEMIANNUAL DATA
MONITORING WELL, MW21

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	January	LIMIT
1S1	pH	0-14		
1S2	Temperature	°C		
1S3	Dissolved Oxygen	mg/l		
1S4	Electrical Conductivity	µmhos/cm		1600 ¹
900	Depth to Groundwater	ft	310.88	
C15	Total Petroleum Hydrocarbons	µg/l	<50	
155	Total Dissolved Solids	mg/l	325	1000 ²
201	Ammonia	mg-N/l	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	
204	Nitrate	mg-N/l	6.32	10 ³
205	Nitrite	mg-N/l	<0.02	10 ³
257	Sulfate	mg/l	51	500 ⁴
301	Chloride	mg/l	47	500 ⁴
315	MBAS	mg/l	<0.1	0.50
405	Total Organic Carbon	µg/l	650	
602	Chloroform	µg/l	<0.5	
608	Bromodichloromethane	µg/l	<0.5	
609	Dibromochloromethane	µg/l	<0.5	
610	Bromoform	µg/l	<0.5	
723	Sodium	mg/l	18.1	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.34
2003 ANNUAL DATA
MONITORING WELL, MW21**

TEST	MISCELLANEOUS PARAMETERS	UNIT	January	LIMIT
206	Total Cyanides	µg/l	<5	200
312	Total Phenols	µg/l	<5	
TEST	METALS	UNIT	January	LIMIT
703	Calcium	mg/l	71.6	
704	Magnesium	mg/l	13.8	
705	Arsenic	mg/l	<0.001	0.05
706	Barium	mg/l	0.089	1
707	Aluminum	mg/l	<0.05	1
708	Cadmium	mg/l	<0.0004	0.005
709	Total Chromium	mg/l	<0.01	0.05
711	Cobalt	mg/l	<0.01	
712	Copper	mg/l	<0.008	1
713	Iron	mg/l	<0.05	0.3
714	Lead	mg/l	<0.002	
716	Manganese	mg/l	0.008	0.05
717	Mercury	mg/l	<0.00004	0.002
718	Nickel	mg/l	<0.02	0.1
719	Potassium	mg/l	3	
720	Selenium	mg/l	0.0011	0.05
722	Silver	mg/l	<0.025	0.1
724	Zinc	mg/l	0.04	5
725	Antimony	mg/l	<0.0005	0.006
726	Beryllium	mg/l	<0.0005	0.004
732	Molybdenum	mg/l		
734	Thallium	mg/l	<0.001	0.002
737	Vanadium	mg/l	<0.02	

**TABLE 6.34
2003 ANNUAL DATA
MONITORING WELL, MW21**

TEST	PESTICIDES & PCBs	UNIT	January	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	VOLATILE ORGANICS	UNIT	January	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<1	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<5	
655	Acrylonitrile	µg/l	<5	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

**TABLE 6.34
2003 ANNUAL DATA
MONITORING WELL, MW21**

TEST	BASE/NEUTRAL EXTRACTIBLES	UNIT	January	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.00084	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ACID EXTRACTIBLES	UNIT	January	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.35
2003 SEMIANNUAL DATA
MONITORING WELL, MW22

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	January	June	December	Mean	Max	Min	LIMIT
1S1	pH	0-14		6.8	7.61	7.2	7.61	6.8	
1S2	Temperature	°C		18.4	18.58	18.5	18.58	18.4	
1S3	Dissolved Oxygen	mg/l		5.41	7.13	6.27	7.13	5.41	
1S4	Electrical Conductivity	µmhos/cm		830	918	874	918	830	1600 ¹
900	Depth to Groundwater	ft	289.63	291.4	293.98	291.7	293.98	289.63	
C15	Total Petroleum Hydrocarbons	µg/l	<50	<60		<55	<60	<50	
155	Total Dissolved Solids	mg/l	576	612		594	612	576	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1		<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	0.6		<0.4	0.60	<0.1	
204	Nitrate	mg-N/l	9.28	9.86		9.57	9.86	9.28	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02		<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	75	76		76	76	75	500 ⁴
301	Chloride	mg/l	59	94		77	94	59	500 ⁴
315	MBAS	mg/l	<0.1	<0.1		<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	910	650		780	910	650	
602	Chloroform	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5		<0.5	<0.5	<0.5	
723	Sodium	mg/l	27.7	28.6		28.2	28.6	27.7	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.36
2003 ANNUAL DATA
MONITORING WELL, MW22**

TEST	MISCELLANEOUS PARAMETERS	UNIT	January	June		LIMIT
206	Total Cyanides	µg/l	<5	<5		200
312	Total Phenols	µg/l	<5	<50		
TEST	METALS	UNIT	January	June	December	LIMIT
703	Calcium	mg/l	114	120		
704	Magnesium	mg/l	21.8	24		
705	Arsenic	mg/l	0.001	<0.001		0.05
706	Barium	mg/l	0.197	0.22		1
707	Aluminum	mg/l	0.91			1
708	Cadmium	mg/l	<0.0004	<0.0004		0.005
709	Total Chromium	mg/l	<0.01	<0.01		0.05
711	Cobalt	mg/l	<0.01			
712	Copper	mg/l	<0.008	<0.008		1
713	Iron	mg/l	0.98	4.69	1.84	0.3
714	Lead	mg/l	<0.002	0.002		
716	Manganese	mg/l	0.02	0.073	0.031	0.05
717	Mercury	mg/l	<0.00004	<0.00004		0.002
718	Nickel	mg/l	<0.02	<0.02		0.1
719	Potassium	mg/l	3.8	4.8		
720	Selenium	mg/l	<0.001	<0.001		0.05
722	Silver	mg/l	<0.025	<0.025		0.1
724	Zinc	mg/l	0.05	0.057		5
725	Antimony	mg/l	<0.0005	0.0006		0.006
726	Beryllium	mg/l	<0.0005	<0.0005		0.004
732	Molybdenum	mg/l			<0.04	
734	Thallium	mg/l	<0.001	<0.001		0.002
737	Vanadium	mg/l	<0.02			

**TABLE 6.36
2003 ANNUAL DATA
MONITORING WELL, MW22**

TEST	PESTICIDES & PCBs	UNIT	January	June	LIMIT
502	PP'-DDE	µg/l	<0.01	<0.01	
504	PP'-DDD	µg/l	<0.01	<0.01	
506	PP'-DDT	µg/l	<0.01	<0.01	
508	Alpha-BHC	µg/l	<0.01	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	<0.01	0.2
510	Heptachlor	µg/l	<0.01	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	<0.01	0.01
512	Aldrin	µg/l	<0.01	<0.01	
513	Dieldrin	µg/l	<0.01	<0.01	
514	Endrin	µg/l	<0.01	<0.01	2
515	Toxaphene	µg/l	<0.5	<0.5	3
519	Aroclor 1242	µg/l	<0.1	<0.1	
520	Aroclor 1254	µg/l	<0.05	<0.05	
523	Beta-BHC	µg/l	<0.01	<0.01	
524	Delta-BHC	µg/l	<0.01	<0.01	
531	Endosulfan I	µg/l	<0.01	<0.01	
532	Endosulfan II	µg/l	<0.01	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	<0.01	
535	Aroclor 1016	µg/l	<0.1	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	<0.05	0.1
TEST	VOLATILE ORGANICS	UNIT	January	June	LIMIT
601	Methylene Chloride	µg/l	<0.5	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	<0.5	6
606	Trichloroethylene	µg/l	<0.5	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	<0.5	5
611	Chlorobenzene	µg/l	<0.5	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	<0.5	0.5
620	Benzene	µg/l	<0.5	<0.5	1
621	Toluene	µg/l	<0.5	0.6	150
624	Ethyl Benzene	µg/l	<0.5	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	<0.5	10
646	Bromomethane	µg/l	<1	<0.5	
647	Chloroethane	µg/l	<0.5	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	<0.5	
649	Chloromethane	µg/l	<0.5	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	<0.5	1
654	Acrolein	µg/l	<5	<2	
655	Acrylonitrile	µg/l	<5	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	<0.5	

**TABLE 6.36
2003 ANNUAL DATA
MONITORING WELL, MW22**

TEST	BASE/NEUTRAL EXTRACTIBLES	UNIT	January	June	LIMIT
800	Acenaphthene	µg/l	<1	<1	
801	Acenaphthylene	µg/l	<10	<10	
802	Anthracene	µg/l	<10	<10	
803	Benzidine	µg/l	<5	<5	
804	Benzo(a)anthracene	µg/l	<5	<5	
805	Benzo(a)pyrene	µg/l	<10	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	<10	
807	1,12-Benzoperylene	µg/l	<5	<5	
808	Benzo(k)fluoranthene	µg/l	<10	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	<5	
814	Butylbenzyl Phthalate	µg/l	<10	<10	
815	2-Chloronaphthalene	µg/l	<10	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	<5	
817	Chrysene	µg/l	<10	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	<10	
819	1,2-Dichlorobenzene	µg/l	<2	<2	
820	1,3-Dichlorobenzene	µg/l	<1	<1	
821	1,4-Dichlorobenzene	µg/l	<1	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	<5	
823	Diethyl Phthalate	µg/l	<2	<2	
824	Dimethyl Phthalate	µg/l	<2	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	<10	
826	2,4-Dinitrotoluene	µg/l	<5	<5	
827	2,6-Dinitrotoluene	µg/l	<5	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	<1	
830	Fluoranthene	µg/l	<1	<1	
831	Fluorene	µg/l	<10	<10	
832	Hexachlorobenzene	µg/l	<1	<1	1
833	Hexachlorobutadiene	µg/l	<1	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	<5	50
835	Hexachloroethane	µg/l	<1	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	<10	
837	Isophorone	µg/l	<1	<1	
838	Naphthalene	µg/l	<1	<1	
839	Nitrobenzene	µg/l	<1	<1	
840	n-Nitrosodimethylamine	µg/l	<5	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	<5	
842	Phenanthrene	µg/l	<5	<5	
843	Pyrene	µg/l	<10	<10	
844	2,3,7,8-TCDD	µg/l	<0.00076	<0.000043	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	<1	
TEST	ACID EXTRACTIBLES	UNIT	January	June	LIMIT
845	2-Chlorophenol	µg/l	<5	<5	
847	2,4-Dichlorophenol	µg/l	<5	<5	
848	2,4-Dimethylphenol	µg/l	<2	<2	
849	2,4-Dinitrophenol	µg/l	<5	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	<5	
851	2-Nitrophenol	µg/l	<10	<10	
852	4-Nitrophenol	µg/l	<10	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	<1	
854	Pentachlorophenol	µg/l	<5	<5	1
855	Phenol	µg/l	<1	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	<10	

TABLE 6.37
2003 SEMIANNUAL DATA
MONITORING WELL, MW23

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	December	LIMIT
1S1	pH	0-14	7.7	
1S2	Temperature	°C	18.87	
1S3	Dissolved Oxygen	mg/l	4.74	
1S4	Electrical Conductivity	µmhos/cm	385.7	1600 ¹
900	Depth to Groundwater	ft	310.6	
C15	Total Petroleum Hydrocarbons	µg/l	<50	
155	Total Dissolved Solids	mg/l	166	1000 ²
201	Ammonia	mg-N/l	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	
204	Nitrate	mg-N/l	3.67	10 ³
205	Nitrite	mg-N/l	<0.02	10 ³
257	Sulfate	mg/l	36	500 ⁴
301	Chloride	mg/l	37.6	500 ⁴
315	MBAS	mg/l	<0.1	0.50
405	Total Organic Carbon	µg/l	1700	
602	Chloroform	µg/l	<0.5	
608	Bromodichloromethane	µg/l	<0.5	
609	Dibromochloromethane	µg/l	<0.5	
610	Bromoform	µg/l	<0.5	
723	Sodium	mg/l	<82	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

TABLE 6.38
2003 ANNUAL DATA
MONITORING WELL, MW23

TEST	MISCELLANEOUS PARAMETERS	UNIT	December	LIMIT
206	Total Cyanides	µg/l	<5	200
312	Total Phenols	µg/l	<12	
TEST	ANNUAL MRP (METALS)	UNIT	December	LIMIT
703	Calcium	mg/l	43	
704	Magnesium	mg/l	<10	
705	Arsenic	mg/l	<0.001	0.05
706	Barium	mg/l	0.067	1
707	Aluminum	mg/l		1
708	Cadmium	mg/l	<0.0004	0.005
709	Total Chromium	mg/l	0.012	0.05
711	Cobalt	mg/l		
712	Copper	mg/l	<0.008	1
713	Iron	mg/l	3.05	0.3
714	Lead	mg/l	0.009	
716	Manganese	mg/l	0.164	0.05
717	Mercury	mg/l	<0.00004	0.002
718	Nickel	mg/l	<0.02	0.1
719	Potassium	mg/l	<10.2	
720	Selenium	mg/l	<0.001	0.05
722	Silver	mg/l	<0.025	0.1
724	Zinc	mg/l	0.053	5
725	Antimony	mg/l	<0.0005	0.006
726	Beryllium	mg/l	<0.0005	0.004
732	Molybdenum	mg/l		
734	Thallium	mg/l	<0.001	0.002
737	Vanadium	mg/l		

**TABLE 6.38
2003 ANNUAL DATA
MONITORING WELL, MW23**

TEST	PESTICIDES & PCBs	UNIT	December	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	VOLATILE ORGANICS	UNIT	December	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

**TABLE 6.38
2003 ANNUAL DATA
MONITORING WELL, MW23**

TEST	BASE/NEUTRAL EXTRACTIBLES	UNIT	December	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzoanthracene	µg/l	<5	
805	Benzopyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<0.02	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<0.02	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<2	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<0.02	
818	1,2,5,6-Dibenzanthracene	µg/l	<0.02	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<0.02	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.00086	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ACID EXTRACTIBLES	UNIT	December	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.39
2003 SEMIANNUAL DATA
MONITORING WELL, MW25

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	January	February	December	Mean	Max	Min	LIMIT
1S1	pH	0-14			7.66	7.66	7.66	7.66	
1S2	Temperature	°C			22.21	22.21	22.21	22.21	
1S3	Dissolved Oxygen	mg/l			3.77	3.77	3.77	3.77	
1S4	Electrical Conductivity	µmhos/cm			452	452	452	452	1600 ¹
900	Depth to Groundwater	ft	329.50	331.72	331.09	330.77	331.72	329.50	
C15	Total Petroleum Hydrocarbons	µg/l	<50		<50	<50	<50	<50	
155	Total Dissolved Solids	mg/l	296	333	293	307	333	293	1000 ²
201	Ammonia	mg-N/l	<0.1		<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1		<0.1	<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	6.32	5.60	7.60	6.51	7.60	5.60	10 ³
205	Nitrite	mg-N/l	0.03	<0.02	<0.02	<0.02	0.03	<0.02	10 ³
257	Sulfate	mg/l	38.0		33.7	35.9	38.0	33.7	500 ⁴
301	Chloride	mg/l	39		35	37	39	35	500 ⁴
315	MBAS	mg/l	<0.1		<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	630		630	630	630	630	
602	Chloroform	µg/l	<0.5		<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5		<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5		<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5		<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	39.3		40.0	39.7	40.0	39.3	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.40
2003 ANNUAL DATA
MONITORING WELL, MW25**

TEST	MISCELLANEOUS PARAMETERS	UNIT	January	December	LIMIT
206	Total Cyanides	µg/l	<5	<5	200
312	Total Phenols	µg/l	<6	<11	
TEST	METALS	UNIT	January	December	LIMIT
703	Calcium	mg/l	53	48.2	
704	Magnesium	mg/l	65.2	6.5	
705	Arsenic	mg/l	<0.001	<0.001	0.05
706	Barium	mg/l	0.056	0.057	1
707	Aluminum	mg/l	0.1		1
708	Cadmium	mg/l	<0.0004	<0.0004	0.005
709	Total Chromium	mg/l	<0.01	<0.01	0.05
711	Cobalt	mg/l	<0.01		
712	Copper	mg/l	<0.008	<0.008	1
713	Iron	mg/l	0.11	<0.05	0.3
714	Lead	mg/l	<0.002	<0.002	
716	Manganese	mg/l	<0.005	<0.005	0.05
717	Mercury	mg/l	<0.00004	<0.00004	0.002
718	Nickel	mg/l	<0.02	<0.02	0.1
719	Potassium	mg/l	2.6	<10	
720	Selenium	mg/l	<0.001	<0.001	0.05
722	Silver	mg/l	<0.025	<0.025	0.1
724	Zinc	mg/l	0.04	0.016	5
725	Antimony	mg/l	<0.0005	<0.0005	0.006
726	Beryllium	mg/l	<0.0005	<0.0005	0.004
732	Molybdenum	mg/l		<0.04	
734	Thallium	mg/l	<0.001	<0.001	0.002
737	Vanadium	mg/l	<0.02		

**TABLE 6.40
2003 ANNUAL DATA
MONITORING WELL, MW25**

TEST	PESTICIDES & PCBs	UNIT	January	December	LIMIT
502	PP'-DDE	µg/l	<0.01	<0.01	
504	PP'-DDD	µg/l	<0.01	<0.01	
506	PP'-DDT	µg/l	<0.01	<0.01	
508	Alpha-BHC	µg/l	<0.01	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	<0.01	0.2
510	Heptachlor	µg/l	<0.01	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	<0.01	0.01
512	Aldrin	µg/l	<0.01	<0.01	
513	Dieldrin	µg/l	<0.01	<0.01	
514	Endrin	µg/l	<0.01	<0.01	2
515	Toxaphene	µg/l	<0.5	<0.5	3
519	Aroclor 1242	µg/l	<0.1	<0.1	
520	Aroclor 1254	µg/l	<0.05	<0.05	
523	Beta-BHC	µg/l	<0.01	<0.01	
524	Delta-BHC	µg/l	<0.01	<0.01	
531	Endosulfan I	µg/l	<0.01	<0.01	
532	Endosulfan II	µg/l	<0.01	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	<0.01	
535	Aroclor 1016	µg/l	<0.1	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	<0.05	0.1
TEST	VOLATILE ORGANICS	UNIT	January	December	LIMIT
601	Methylene Chloride	µg/l	<0.5	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	<0.5	6
606	Trichloroethylene	µg/l	<0.5	<0.5	5
607	Tetrachloroethylene	µg/l	0.8	0.8	5
611	Chlorobenzene	µg/l	<0.5	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	<0.5	0.5
620	Benzene	µg/l	<0.5	<0.5	1
621	Toluene	µg/l	<0.5	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	<0.5	10
646	Bromomethane	µg/l	<0.5	<0.5	
647	Chloroethane	µg/l	<0.5	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	<0.5	
649	Chloromethane	µg/l	<0.5	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	<0.5	1
654	Acrolein	µg/l	<10	<2	
655	Acrylonitrile	µg/l	<5	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	<0.5	

TABLE 6.40
2003 ANNUAL DATA
MONITORING WELL, MW25

TEST	BASE/NEUTRAL EXTRACTIBLES	UNIT	January	December	LIMIT
800	Acenaphthene	µg/l	<1	<1	
801	Acenaphthylene	µg/l	<10	<10	
802	Anthracene	µg/l	<10	<10	
803	Benzidine	µg/l	<5	<5	
804	Benzo(a)anthracene	µg/l	<5	<5	
805	Benzo(a)pyrene	µg/l	<10	<0.02	0.2
806	Benzo(b)fluoranthene	µg/l	<10	<0.02	
807	1,12-Benzoperylene	µg/l	<5	<5	
808	Benzo(k)fluoranthene	µg/l	<10	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	<5	
814	Butylbenzyl Phthalate	µg/l	<10	<10	
815	2-Chloronaphthalene	µg/l	<10	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	<5	
817	Chrysene	µg/l	<10	<0.02	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	<0.02	
819	1,2-Dichlorobenzene	µg/l	<2	<2	
820	1,3-Dichlorobenzene	µg/l	<1	<1	
821	1,4-Dichlorobenzene	µg/l	<1	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	<5	
823	Diethyl Phthalate	µg/l	<2	<2	
824	Dimethyl Phthalate	µg/l	<2	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	<10	
826	2,4-Dinitrotoluene	µg/l	<5	<5	
827	2,6-Dinitrotoluene	µg/l	<5	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	<1	
830	Fluoranthene	µg/l	<1	<1	
831	Fluorene	µg/l	<10	<10	
832	Hexachlorobenzene	µg/l	<1	<1	1
833	Hexachlorobutadiene	µg/l	<1	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	<5	50
835	Hexachloroethane	µg/l	<1	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	<0.02	
837	Isophorone	µg/l	<1	<1	
838	Naphthalene	µg/l	<1	<1	
839	Nitrobenzene	µg/l	<1	<1	
840	n-Nitrosodimethylamine	µg/l	<5	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	<5	
842	Phenanthrene	µg/l	<5	<5	
843	Pyrene	µg/l	<10	<10	
844	2,3,7,8-TCDD	µg/l	<0.00052	<0.0011	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	<1	
TEST	ACID EXTRACTIBLES	UNIT	January	December	LIMIT
845	2-Chlorophenol	µg/l	<5	<5	
847	2,4-Dichlorophenol	µg/l	<5	<5	
848	2,4-Dimethylphenol	µg/l	<2	<2	
849	2,4-Dinitrophenol	µg/l	<5	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	<5	
851	2-Nitrophenol	µg/l	<10	<10	
852	4-Nitrophenol	µg/l	<10	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	<1	
854	Pentachlorophenol	µg/l	<5	<5	1
855	Phenol	µg/l	<1	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	<10	

TABLE 6.41
2003 SEMIANNUAL DATA
MONITORING WELL, MW26

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	May	December	Mean	Max.	Min.	LIMIT
1S1	pH	0-14	7.70	8.23	7.97	8.23	7.70	
1S2	Temperature	°C	19.6	16.32	18.0	19.60	16.32	
1S3	Dissolved Oxygen	mg/l		2.19	2.19	2.19	2.19	
1S4	Electrical Conductivity	µmhos/cm	344	309	327	344	309	1600 ¹
900	Depth to Groundwater	ft	311.25	315.94	313.60	311.25	311.25	
C15	Total Petroleum Hydrocarbons	µg/l	<60	<50	<55	<60	<50	
155	Total Dissolved Solids	mg/l	202	263	233	263	202	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	2.68	5.53	4.11	5.53	2.68	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	25	32.9	29	32.9	25.0	500 ⁴
301	Chloride	mg/l	26	12	19	26	12	500 ⁴
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	<500	1800	<1150	1800	<500	
602	Chloroform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	14.2	13.8	14.0	14.2	13.8	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.42
2003 ANNUAL DATA
MONITORING WELL, MW26**

TEST	MISCELLANEOUS PARAMETERS	UNIT	May	December	LIMIT
206	Total Cyanides	µg/l		<5	200
312	Total Phenols	µg/l	<50	<11	
TEST	ANNUAL MRP (METALS)	UNIT	May	December	LIMIT
703	Calcium	mg/l	37.4	49.9	
704	Magnesium	mg/l	7.35	9.9	
705	Arsenic	mg/l	<0.001	<0.001	0.05
706	Barium	mg/l	0.053	0.061	1
707	Aluminum	mg/l		<0.05	1
708	Cadmium	mg/l		<0.0004	0.005
709	Total Chromium	mg/l	<0.01	<0.01	0.05
711	Cobalt	mg/l		<0.01	
712	Copper	mg/l	<0.008	<0.008	1
713	Iron	mg/l	<0.05	<0.05	0.3
714	Lead	mg/l	<0.002	<0.002	
716	Manganese	mg/l		<0.005	0.05
717	Mercury	mg/l	<0.00004	<0.00004	0.002
718	Nickel	mg/l	<0.02	<0.02	0.1
719	Potassium	mg/l	1.6	<10	
720	Selenium	mg/l	<0.001	<0.001	0.05
722	Silver	mg/l	<0.025	<0.025	0.1
724	Zinc	mg/l	0.051	0.023	5
725	Antimony	mg/l	0.0005	<0.0005	0.006
726	Beryllium	mg/l	<0.0005	<0.0005	0.004
732	Molybdenum	mg/l		<0.04	
734	Thallium	mg/l	<0.001	<0.001	0.002
737	Vanadium	mg/l		<0.02	

**TABLE 6.42
2003 ANNUAL DATA
MONITORING WELL, MW26**

TEST	PESTICIDES & PCBs	UNIT		December	LIMIT
502	PP'-DDE	µg/l		<0.01	
504	PP'-DDD	µg/l		<0.01	
506	PP'-DDT	µg/l		<0.01	
508	Alpha-BHC	µg/l		<0.01	
509	Lindane (Gamma-BHC)	µg/l		<0.01	0.2
510	Heptachlor	µg/l		<0.01	0.01
511	Heptachlor Epoxide	µg/l		<0.01	0.01
512	Aldrin	µg/l		<0.01	
513	Dieldrin	µg/l		<0.01	
514	Endrin	µg/l		<0.01	2
515	Toxaphene	µg/l		<0.5	3
519	Aroclor 1242	µg/l		<0.1	
520	Aroclor 1254	µg/l		<0.05	
523	Beta-BHC	µg/l		<0.01	
524	Delta-BHC	µg/l		<0.01	
531	Endosulfan I	µg/l		<0.01	
532	Endosulfan II	µg/l		<0.01	
533	Endosulfan Sulfate	µg/l		<0.1	
534	Endrin Aldehyde	µg/l		<0.01	
535	Aroclor 1016	µg/l		<0.1	0.5
536	Aroclor 1221	µg/l		<0.1	0.5
537	Aroclor 1232	µg/l		<0.1	0.5
538	Aroclor 1248	µg/l		<0.1	0.5
539	Aroclor 1260	µg/l		<0.1	0.5
540	Technical Chlordane	µg/l		<0.05	0.1
TEST	VOLATILE ORGANICS	UNIT		December	LIMIT
601	Methylene Chloride	µg/l		<0.5	
603	1,1,1-Trichloroethane	µg/l		<0.5	200
604	Carbon Tetrachloride	µg/l		<0.5	0.5
605	1,1-Dichloroethene	µg/l		<0.5	6
606	Trichloroethylene	µg/l		<0.5	5
607	Tetrachloroethylene	µg/l		<0.5	5
611	Chlorobenzene	µg/l		<0.5	70
612	Vinyl Chloride	µg/l		<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l		<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l		<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l		<0.5	5
616	1,1-Dichloroethane	µg/l		<0.5	5
618	1,1,2-Trichloroethane	µg/l		<0.5	5
619	1,2-Dichloroethane	µg/l		<0.5	0.5
620	Benzene	µg/l		<0.5	1
621	Toluene	µg/l		<0.5	150
624	Ethyl Benzene	µg/l		<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l		<0.5	10
646	Bromomethane	µg/l		<0.5	
647	Chloroethane	µg/l		<0.5	
648	2-Chloroethylvinylether	µg/l		<0.5	
649	Chloromethane	µg/l		<0.5	
650	1,2-Dichloropropane	µg/l		<0.5	5
651	Cis-1,3-Dichloropropene	µg/l		<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l		<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l		<0.5	1
654	Acrolein	µg/l		<10	
655	Acrylonitrile	µg/l		<5	
662	Methyl Tertiary Butyl Ether	µg/l		<0.5	

TABLE 6.42
2003 ANNUAL DATA
MONITORING WELL, MW26

TEST	BASE/NEUTRAL EXTRACTIBLES	UNIT		December	LIMIT
800	Acenaphthene	µg/l		<1	
801	Acenaphthylene	µg/l		<10	
802	Anthracene	µg/l		<10	
803	Benzidine	µg/l		<5	
804	Benzo(a)anthracene	µg/l		<5	
805	Benzo(a)pyrene	µg/l		<0.02	0.2
806	Benzo(b)fluoranthene	µg/l		<0.02	
807	1,12-Benzoperylene	µg/l		<5	
808	Benzo(k)fluoranthene	µg/l		<0.02	
809	Bis(2-chloroethoxy)methane	µg/l		<5	
810	Bis(2-Chloroethyl)ether	µg/l		<1	
811	Bis(2-chloroisopropyl)ether	µg/l		<2	
812	Bis(2-diethylhexyl)phthalate	µg/l		<2	4
813	4-Bromophenyl Phenyl Ether	µg/l		<5	
814	Butylbenzyl Phthalate	µg/l		<10	
815	2-Chloronaphthalene	µg/l		<10	
816	4-Chlorophenyl Phenyl Ether	µg/l		<5	
817	Chrysene	µg/l		<0.02	
818	1,2,5,6-Dibenzanthracene	µg/l		<0.02	
819	1,2-Dichlorobenzene	µg/l		<2	
820	1,3-Dichlorobenzene	µg/l		<1	
821	1,4-Dichlorobenzene	µg/l		<1	
822	3,3'-Dichlorobenzidine	µg/l		<5	
823	Diethyl Phthalate	µg/l		<2	
824	Dimethyl Phthalate	µg/l		<2	
825	Di-n-Butyl Phthalate	µg/l		<10	
826	2,4-Dinitrotoluene	µg/l		<5	
827	2,6-Dinitrotoluene	µg/l		<5	
828	Di-n-Octyl Phthalate	µg/l		<10	
829	1,2-Diphenylhydrazine	µg/l		<1	
830	Fluoranthene	µg/l		<1	
831	Fluorene	µg/l		<10	
832	Hexachlorobenzene	µg/l		<1	1
833	Hexachlorobutadiene	µg/l		<1	
834	Hexachlorocyclopentadiene	µg/l		<5	50
835	Hexachloroethane	µg/l		<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l		<0.02	
837	Isophorone	µg/l		<1	
838	Naphthalene	µg/l		<1	
839	Nitrobenzene	µg/l		<1	
840	n-Nitrosodimethylamine	µg/l		<5	
841	n-Nitrosodi-n-propylamine	µg/l		<5	
842	Phenanthrene	µg/l		<5	
843	Pyrene	µg/l		<10	
844	2,3,7,8-TCDD	µg/l		<0.0041	0.00003
846	1,2,4-Trichlorobenzene	µg/l		<5	70
857	n-Nitrosodiphenylamine	µg/l		<1	
TEST	ACID EXTRACTIBLES	UNIT		December	LIMIT
845	2-Chlorophenol	µg/l		<5	
847	2,4-Dichlorophenol	µg/l		<5	
848	2,4-Dimethylphenol	µg/l		<2	
849	2,4-Dinitrophenol	µg/l		<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l		<5	
851	2-Nitrophenol	µg/l		<10	
852	4-Nitrophenol	µg/l		<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l		<1	
854	Pentachlorophenol	µg/l		<5	1
855	Phenol	µg/l		<1	
856	2,4,6-Trichlorophenol	µg/l		<10	

TABLE 6.43
2003 SEMIANNUAL DATA
MONITORING WELL, MW27

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	May	December	Mean	Max.	Min.	LIMIT
1S1	pH	0-14	7.86	7.46	7.66	7.86	7.46	
1S2	Temperature	°C	21.30	16.82	19.06	21.30	16.82	
1S3	Dissolved Oxygen	mg/l		1.8	1.8	1.8	1.8	
1S4	Electrical Conductivity	µmhos/cm	312	425	369	425	312	1600 ¹
900	Depth to Groundwater	ft	312.00	315.27	313.64	315.27	312.00	
C15	Total Petroleum Hydrocarbons	µg/l	<60	<50	<55	<60	<50	
155	Total Dissolved Solids	mg/l	190	190	190	190	190	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	1.60	2.38	1.99	2.38	1.60	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	25.0	22.9	24.0	25.0	22.9	500 ⁴
301	Chloride	mg/l	10	2	6	10	2	500 ⁴
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	<500	820	<660	820	<500	
602	Chloroform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	15.3	14.3	14.8	15.3	14.3	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

TABLE 6.44
2003 ANNUAL DATA
MONITORING WELL, MW27

TEST	MISCELLANEOUS PARAMETERS	UNIT	May	December	LIMIT
206	Total Cyanides	µg/l		<5	200
312	Total Phenols	µg/l	<50	<11	
TEST	METALS	UNIT	May	December	LIMIT
703	Calcium	mg/l	36.9	35.9	
704	Magnesium	mg/l	6.59	7	
705	Arsenic	mg/l	<0.001	<0.001	0.05
706	Barium	mg/l	0.052	0.052	1
707	Aluminum	mg/l		0.07	1
708	Cadmium	mg/l		<0.0004	0.005
709	Total Chromium	mg/l	<0.01	<0.01	0.05
711	Cobalt	mg/l		<0.01	
712	Copper	mg/l	<0.008	<0.008	1
713	Iron	mg/l	0.366	0.063	0.3
714	Lead	mg/l	<0.002	0.002	
716	Manganese	mg/l		0.063	0.05
717	Mercury	mg/l	<0.00004	<0.00004	0.002
718	Nickel	mg/l	<0.02	<0.02	0.1
719	Potassium	mg/l	1.8	<10	
720	Selenium	mg/l	<0.001	<0.001	0.05
722	Silver	mg/l	<0.025	<0.025	0.1
724	Zinc	mg/l	0.049	0.022	5
725	Antimony	mg/l	0.0005	<0.0005	0.006
726	Beryllium	mg/l	<0.0005	<0.0005	0.004
732	Molybdenum	mg/l		<0.04	
734	Thallium	mg/l	<0.001	<0.001	0.002
737	Vanadium	mg/l		<0.02	

**TABLE 6.44
2003 ANNUAL DATA
MONITORING WELL, MW27**

TEST	PESTICIDES & PCBs	UNIT	December	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	VOLATILE ORGANICS	UNIT	December	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<10	
655	Acrylonitrile	µg/l	<5	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

**TABLE 6.44
2003 ANNUAL DATA
MONITORING WELL, MW27**

TEST	BASE/NEUTRAL EXTRACTIBLES	UNIT	December	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<0.02	0.2
806	Benzo(b)fluoranthene	µg/l	<0.02	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<0.02	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<2	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<0.02	
818	1,2,5,6-Dibenzanthracene	µg/l	<0.02	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<0.02	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.003	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ACID EXTRACTIBLES	UNIT	December	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.45
2003 SEMIANNUAL DATA
MONITORING WELL, MW28

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	June	December	Mean	Max.	Min.	LIMIT
1S1	pH	0-14	7.46	7.85	7.66	7.85	7.46	
1S2	Temperature	°C	13.21	19.57	16.39	19.57	13.21	
1S3	Dissolved Oxygen	mg/l	1.87	7.19	4.53	7.19	1.87	
1S4	Electrical Conductivity	µmhos/cm	420	474	447	474	420	1600 ¹
900	Depth to Groundwater	ft	324.46	303.45	313.96	324.46	303.45	
C15	Total Petroleum Hydrocarbons	µg/l	<60		<60	<60	<60	
155	Total Dissolved Solids	mg/l	269		269	269	269	1000 ²
201	Ammonia	mg-N/l	<0.1		<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1		<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	5.54		5.54	5.54	5.54	10 ³
205	Nitrite	mg-N/l	<0.02		<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	40		40	40	40	500 ⁴
301	Chloride	mg/l	41		41	41	41	500 ⁴
315	MBAS	mg/l	<0.1		<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	590		590	590	590	
602	Chloroform	µg/l	<0.5		<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5		<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5		<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5		<0.5	<0.5	<0.5	
723	Sodium	mg/l	25.1		25.1	25.1	25.1	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.46
2003 ANNUAL DATA
MONITORING WELL, MW28**

TEST	MISCELLANEOUS	UNIT	June		LIMIT
206	Total Cyanides	µg/l	<5		200
312	Total Phenols	µg/l	<11		
TEST	METALS	UNIT	June	December	LIMIT
703	Calcium	mg/l	58.9		
704	Magnesium	mg/l	8.33		
705	Arsenic	mg/l	<0.001		0.05
706	Barium	mg/l	0.09		1
707	Aluminum	mg/l		0.12	1
708	Cadmium	mg/l	<0.0004		0.005
709	Total Chromium	mg/l	<0.01		0.05
711	Cobalt	mg/l		<0.01	
712	Copper	mg/l	<0.008		1
713	Iron	mg/l	5.99	0.11	0.3
714	Lead	mg/l	0.002		
716	Manganese	mg/l	0.095	0.008	0.05
717	Mercury	mg/l	<0.00004		0.002
718	Nickel	mg/l	<0.02		0.1
719	Potassium	mg/l	3.4		
720	Selenium	mg/l	<0.001		0.05
722	Silver	mg/l	<0.025		0.1
724	Zinc	mg/l	0.06		5
725	Antimony	mg/l	0.0006		0.006
726	Beryllium	mg/l	<0.0005		0.004
732	Molybdenum	mg/l		<0.04	
734	Thallium	mg/l	<0.001		0.002
737	Vanadium	mg/l		<0.02	

**TABLE 6.46
2003 ANNUAL DATA
MONITORING WELL, MW28**

TEST	PESTICIDES & PCBs	UNIT	June	LIMIT
502	PP'-DDE	µg/l	<0.01	
504	PP'-DDD	µg/l	<0.01	
506	PP'-DDT	µg/l	<0.01	
508	Alpha-BHC	µg/l	<0.01	
509	Lindane (Gamma-BHC)	µg/l	<0.01	0.2
510	Heptachlor	µg/l	<0.01	0.01
511	Heptachlor Epoxide	µg/l	<0.01	0.01
512	Aldrin	µg/l	<0.01	
513	Dieldrin	µg/l	<0.01	
514	Endrin	µg/l	<0.01	2
515	Toxaphene	µg/l	<0.5	3
519	Aroclor 1242	µg/l	<0.1	
520	Aroclor 1254	µg/l	<0.05	
523	Beta-BHC	µg/l	<0.01	
524	Delta-BHC	µg/l	<0.01	
531	Endosulfan I	µg/l	<0.01	
532	Endosulfan II	µg/l	<0.01	
533	Endosulfan Sulfate	µg/l	<0.1	
534	Endrin Aldehyde	µg/l	<0.01	
535	Aroclor 1016	µg/l	<0.1	0.5
536	Aroclor 1221	µg/l	<0.1	0.5
537	Aroclor 1232	µg/l	<0.1	0.5
538	Aroclor 1248	µg/l	<0.1	0.5
539	Aroclor 1260	µg/l	<0.1	0.5
540	Technical Chlordane	µg/l	<0.05	0.1
TEST	VOLATILE ORGANICS	UNIT	June	LIMIT
601	Methylene Chloride	µg/l	<0.5	
603	1,1,1-Trichloroethane	µg/l	<0.5	200
604	Carbon Tetrachloride	µg/l	<0.5	0.5
605	1,1-Dichloroethene	µg/l	<0.5	6
606	Trichloroethylene	µg/l	<0.5	5
607	Tetrachloroethylene	µg/l	<0.5	5
611	Chlorobenzene	µg/l	<0.5	70
612	Vinyl Chloride	µg/l	<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l	<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l	<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l	<0.5	5
616	1,1-Dichloroethane	µg/l	<0.5	5
618	1,1,2-Trichloroethane	µg/l	<0.5	5
619	1,2-Dichloroethane	µg/l	<0.5	0.5
620	Benzene	µg/l	<0.5	1
621	Toluene	µg/l	<0.5	150
624	Ethyl Benzene	µg/l	<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l	<0.5	10
646	Bromomethane	µg/l	<0.5	
647	Chloroethane	µg/l	<0.5	
648	2-Chloroethylvinylether	µg/l	<0.5	
649	Chloromethane	µg/l	<0.5	
650	1,2-Dichloropropane	µg/l	<0.5	5
651	Cis-1,3-Dichloropropene	µg/l	<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l	<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l	<0.5	1
654	Acrolein	µg/l	<2	
655	Acrylonitrile	µg/l	<2	
662	Methyl Tertiary Butyl Ether	µg/l	<0.5	

**TABLE 6.46
2003 ANNUAL DATA
MONITORING WELL, MW28**

TEST	BASE/NEUTRAL EXTRACTIBLES	UNIT	June	LIMIT
800	Acenaphthene	µg/l	<1	
801	Acenaphthylene	µg/l	<10	
802	Anthracene	µg/l	<10	
803	Benzidine	µg/l	<5	
804	Benzo(a)anthracene	µg/l	<5	
805	Benzo(a)pyrene	µg/l	<10	0.2
806	Benzo(b)fluoranthene	µg/l	<10	
807	1,12-Benzoperylene	µg/l	<5	
808	Benzo(k)fluoranthene	µg/l	<10	
809	Bis(2-chloroethoxy)methane	µg/l	<5	
810	Bis(2-Chloroethyl)ether	µg/l	<1	
811	Bis(2-chloroisopropyl)ether	µg/l	<2	
812	Bis(2-diethylhexyl)phthalate	µg/l	<5	4
813	4-Bromophenyl Phenyl Ether	µg/l	<5	
814	Butylbenzyl Phthalate	µg/l	<10	
815	2-Chloronaphthalene	µg/l	<10	
816	4-Chlorophenyl Phenyl Ether	µg/l	<5	
817	Chrysene	µg/l	<10	
818	1,2,5,6-Dibenzanthracene	µg/l	<10	
819	1,2-Dichlorobenzene	µg/l	<2	
820	1,3-Dichlorobenzene	µg/l	<1	
821	1,4-Dichlorobenzene	µg/l	<1	
822	3,3'-Dichlorobenzidine	µg/l	<5	
823	Diethyl Phthalate	µg/l	<2	
824	Dimethyl Phthalate	µg/l	<2	
825	Di-n-Butyl Phthalate	µg/l	<10	
826	2,4-Dinitrotoluene	µg/l	<5	
827	2,6-Dinitrotoluene	µg/l	<5	
828	Di-n-Octyl Phthalate	µg/l	<10	
829	1,2-Diphenylhydrazine	µg/l	<1	
830	Fluoranthene	µg/l	<1	
831	Fluorene	µg/l	<10	
832	Hexachlorobenzene	µg/l	<1	1
833	Hexachlorobutadiene	µg/l	<1	
834	Hexachlorocyclopentadiene	µg/l	<5	50
835	Hexachloroethane	µg/l	<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l	<10	
837	Isophorone	µg/l	<1	
838	Naphthalene	µg/l	<1	
839	Nitrobenzene	µg/l	<1	
840	n-Nitrosodimethylamine	µg/l	<5	
841	n-Nitrosodi-n-propylamine	µg/l	<5	
842	Phenanthrene	µg/l	<5	
843	Pyrene	µg/l	<10	
844	2,3,7,8-TCDD	µg/l	<0.000047	0.00003
846	1,2,4-Trichlorobenzene	µg/l	<5	70
857	n-Nitrosodiphenylamine	µg/l	<1	
TEST	ACID EXTRACTIBLES	UNIT	June	LIMIT
845	2-Chlorophenol	µg/l	<5	
847	2,4-Dichlorophenol	µg/l	<5	
848	2,4-Dimethylphenol	µg/l	<2	
849	2,4-Dinitrophenol	µg/l	<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l	<5	
851	2-Nitrophenol	µg/l	<10	
852	4-Nitrophenol	µg/l	<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l	<1	
854	Pentachlorophenol	µg/l	<5	1
855	Phenol	µg/l	<1	
856	2,4,6-Trichlorophenol	µg/l	<10	

TABLE 6.47
2003 SEMIANNUAL DATA
MONITORING WELL, MW29

TEST	SEMIANNUAL MRP PARAMETERS	UNIT	May	December	Mean	Max.	Min.	LIMIT
1S1	pH	0-14	8.02	8.27	8.15	8.27	8.02	
1S2	Temperature	°C	23.50	20.57	22.04	23.50	20.57	
1S3	Dissolved Oxygen	mg/l		5.62	5.62	5.62	5.62	
1S4	Electrical Conductivity	µmhos/cm	232	216	224	232	216	1600 ¹
900	Depth to Groundwater	ft	319.60	301.00	310.30	319.60	301.00	
C15	Total Petroleum Hydrocarbons	µg/l	<60	<50	<55	<60	<50	
155	Total Dissolved Solids	mg/l	150	147	149	150	147	1000 ²
201	Ammonia	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
203	Kjeldahl Nitrogen	mg-N/l	<0.1	<0.1	<0.1	<0.1	<0.1	
204	Nitrate	mg-N/l	0.34	0.35	0.35	0.35	0.34	10 ³
205	Nitrite	mg-N/l	<0.02	<0.02	<0.02	<0.02	<0.02	10 ³
257	Sulfate	mg/l	19	21	20	21	19	500 ⁴
301	Chloride	mg/l	4	28	16	28	4	500 ⁴
315	MBAS	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	0.50
405	Total Organic Carbon	µg/l	<500	660	<580	660	<500	
602	Chloroform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
608	Bromodichloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
609	Dibromochloromethane	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
610	Bromoform	µg/l	<0.5	<0.5	<0.5	<0.5	<0.5	
723	Sodium	mg/l	21.7	21.3	21.5	21.7	21.3	

¹ 900 recommended / 1600 upper / 2200 short term

² 500 recommended / 1000 upper / 1500 short term

³ Nitrate+Nitrite = 10

⁴ 250 recommended / 500 upper / 600 short term

**TABLE 6.48
2003 ANNUAL DATA
MONITORING WELL, MW29**

TEST	MISCELLANEOUS PARAMETERS	UNIT	May	December	LIMIT
206	Total Cyanides	µg/l		<5	200
312	Total Phenols	µg/l	<12	<11	
TEST	METALS	UNIT	May	December	LIMIT
703	Calcium	mg/l	28.6	25.5	
704	Magnesium	mg/l	6.07	2.3	
705	Arsenic	mg/l	<0.001	<0.001	0.05
706	Barium	mg/l	0.109	0.033	1
707	Aluminum	mg/l		1.49	1
708	Cadmium	mg/l		<0.0004	0.005
709	Total Chromium	mg/l	0.017	<0.01	0.05
711	Cobalt	mg/l		<0.01	
712	Copper	mg/l	0.014	<0.008	1
713	Iron	mg/l	12.5	1.36	0.3
714	Lead	mg/l	0.005	<0.002	
716	Manganese	mg/l		0.076	0.05
717	Mercury	mg/l	<0.00004	<0.00004	0.002
718	Nickel	mg/l	<0.02	<0.02	0.1
719	Potassium	mg/l	3.6	<10	
720	Selenium	mg/l	<0.001	<0.001	0.05
722	Silver	mg/l	<0.025	<0.025	0.1
724	Zinc	mg/l	0.077	0.021	5
725	Antimony	mg/l	0.0006	<0.0005	0.006
726	Beryllium	mg/l	0.0005	<0.0005	0.004
732	Molybdenum	mg/l		<0.04	
734	Thallium	mg/l	<0.001	<0.001	0.002
737	Vanadium	mg/l		<0.02	

**TABLE 6.48
2003 ANNUAL DATA
MONITORING WELL, MW29**

TEST	PESTICIDES & PCBs	UNIT		December	LIMIT
502	PP'-DDE	µg/l		<0.01	
504	PP'-DDD	µg/l		<0.01	
506	PP'-DDT	µg/l		<0.01	
508	Alpha-BHC	µg/l		<0.01	
509	Lindane (Gamma-BHC)	µg/l		<0.01	0.2
510	Heptachlor	µg/l		<0.01	0.01
511	Heptachlor Epoxide	µg/l		<0.01	0.01
512	Aldrin	µg/l		<0.01	
513	Dieldrin	µg/l		<0.01	
514	Endrin	µg/l		<0.01	2
515	Toxaphene	µg/l		<0.5	3
519	Aroclor 1242	µg/l		<0.1	
520	Aroclor 1254	µg/l		<0.05	
523	Beta-BHC	µg/l		<0.01	
524	Delta-BHC	µg/l		<0.01	
531	Endosulfan I	µg/l		<0.01	
532	Endosulfan II	µg/l		<0.01	
533	Endosulfan Sulfate	µg/l		<0.1	
534	Endrin Aldehyde	µg/l		<0.01	
535	Aroclor 1016	µg/l		<0.1	0.5
536	Aroclor 1221	µg/l		<0.1	0.5
537	Aroclor 1232	µg/l		<0.1	0.5
538	Aroclor 1248	µg/l		<0.1	0.5
539	Aroclor 1260	µg/l		<0.1	0.5
540	Technical Chlordane	µg/l		<0.05	0.1
TEST	VOLATILE ORGANICS	UNIT		December	LIMIT
601	Methylene Chloride	µg/l		<0.5	
603	1,1,1-Trichloroethane	µg/l		<0.5	200
604	Carbon Tetrachloride	µg/l		<0.5	0.5
605	1,1-Dichloroethene	µg/l		<0.5	6
606	Trichloroethylene	µg/l		<0.5	5
607	Tetrachloroethylene	µg/l		<0.5	5
611	Chlorobenzene	µg/l		<0.5	70
612	Vinyl Chloride	µg/l		<0.5	0.5
613	o-Dichlorobenzene (1,2-Dichlorobenzene)	µg/l		<0.5	600
614	m-Dichlorobenzene (1,3-Dichlorobenzene)	µg/l		<0.5	
615	p-Dichlorobenzene (1,4-Dichlorobenzene)	µg/l		<0.5	5
616	1,1-Dichloroethane	µg/l		<0.5	5
618	1,1,2-Trichloroethane	µg/l		<0.5	5
619	1,2-Dichloroethane	µg/l		<0.5	0.5
620	Benzene	µg/l		<0.5	1
621	Toluene	µg/l		<0.5	150
624	Ethyl Benzene	µg/l		<0.5	700
645	Trans-1,2-Dichloroethylene	µg/l		<0.5	10
646	Bromomethane	µg/l		<0.5	
647	Chloroethane	µg/l		<0.5	
648	2-Chloroethylvinylether	µg/l		<0.5	
649	Chloromethane	µg/l		<0.5	
650	1,2-Dichloropropane	µg/l		<0.5	5
651	Cis-1,3-Dichloropropene	µg/l		<0.5	0.5
652	Trans-1,3-Dichloropropene	µg/l		<0.5	0.5
653	1,1,2,2-Tetrachloroethane	µg/l		<0.5	1
654	Acrolein	µg/l		<10	
655	Acrylonitrile	µg/l		<5	
662	Methyl Tertiary Butyl Ether	µg/l		<0.5	

**TABLE 6.48
2003 ANNUAL DATA
MONITORING WELL, MW29**

TEST	BASE/NEUTRAL EXTRACTIBLES	UNIT		December	LIMIT
800	Acenaphthene	µg/l		<1	
801	Acenaphthylene	µg/l		<10	
802	Anthracene	µg/l		<10	
803	Benzidine	µg/l		<5	
804	Benzo(a)anthracene	µg/l		<5	
805	Benzo(a)pyrene	µg/l		<0.02	0.2
806	Benzo(b)fluoranthene	µg/l		<0.02	
807	1,12-Benzoperylene	µg/l		<5	
808	Benzo(k)fluoranthene	µg/l		<0.02	
809	Bis(2-chloroethoxy)methane	µg/l		<5	
810	Bis(2-Chloroethyl)ether	µg/l		<1	
811	Bis(2-chloroisopropyl)ether	µg/l		<2	
812	Bis(2-diethylhexyl)phthalate	µg/l		<2	4
813	4-Bromophenyl Phenyl Ether	µg/l		<5	
814	Butylbenzyl Phthalate	µg/l		<10	
815	2-Chloronaphthalene	µg/l		<10	
816	4-Chlorophenyl Phenyl Ether	µg/l		<5	
817	Chrysene	µg/l		<0.02	
818	1,2,5,6-Dibenzanthracene	µg/l		<0.02	
819	1,2-Dichlorobenzene	µg/l		<2	
820	1,3-Dichlorobenzene	µg/l		<1	
821	1,4-Dichlorobenzene	µg/l		<1	
822	3,3'-Dichlorobenzidine	µg/l		<5	
823	Diethyl Phthalate	µg/l		<2	
824	Dimethyl Phthalate	µg/l		<2	
825	Di-n-Butyl Phthalate	µg/l		<10	
826	2,4-Dinitrotoluene	µg/l		<5	
827	2,6-Dinitrotoluene	µg/l		<5	
828	Di-n-Octyl Phthalate	µg/l		<10	
829	1,2-Diphenylhydrazine	µg/l		<1	
830	Fluoranthene	µg/l		<1	
831	Fluorene	µg/l		<10	
832	Hexachlorobenzene	µg/l		<1	1
833	Hexachlorobutadiene	µg/l		<1	
834	Hexachlorocyclopentadiene	µg/l		<5	50
835	Hexachloroethane	µg/l		<1	
836	Indeno(1,2,3-c,d)pyrene	µg/l		<0.02	
837	Isophorone	µg/l		<1	
838	Naphthalene	µg/l		<1	
839	Nitrobenzene	µg/l		<1	
840	n-Nitrosodimethylamine	µg/l		<5	
841	n-Nitrosodi-n-propylamine	µg/l		<5	
842	Phenanthrene	µg/l		<5	
843	Pvrene	µg/l		<10	
844	2,3,7,8-TCDD	µg/l		<0.003	0.00003
846	1,2,4-Trichlorobenzene	µg/l		<5	70
857	n-Nitrosodiphenylamine	µg/l		<1	
TEST	ACID EXTRACTIBLES	UNIT		December	LIMIT
845	2-Chlorophenol	µg/l		<5	
847	2,4-Dichlorophenol	µg/l		<5	
848	2,4-Dimethylphenol	µg/l		<2	
849	2,4-Dinitrophenol	µg/l		<5	
850	2-Methyl-4,6-Dinitrophenol (p-Chloro-m-Cresol)	µg/l		<5	
851	2-Nitrophenol	µg/l		<10	
852	4-Nitrophenol	µg/l		<10	
853	4-Chloro-3-Methylphenol (4,6-Dinitro-o-Cresol)	µg/l		<1	
854	Pentachlorophenol	µg/l		<5	1
855	Phenol	µg/l		<1	
856	2,4,6-Trichlorophenol	µg/l		<10	

**TABLE 6.49
PALMDALE WATER RECLAMATION PLANT
2003 LYSIMETER MONITORING DATA**

LYSIMETER LY1						
TEST	CONSTITUENT	UNIT	JAN	MARCH	MAY	JUNE
155	Total Dissolved Solids	mg/l			1803	
201	Ammonia	mg-N/l	<0.1			
203	Kjeldahl Nitrogen	mg-N/l	<0.1			
204	Nitrate	mg-N/l	32.2			
205	Nitrite	mg-N/l	<0.02			
257	Sulfate	mg/l			527	
301	Chloride	mg/l			251	
315	MBAS	mg/l				
723	Sodium	mg/l				
LYSIMETER LY3						
TEST	CONSTITUENT	UNIT	JAN	MARCH	MAY	JUNE
155	Total Dissolved Solids	mg/l				1323
201	Ammonia	mg-N/l		<0.1		
203	Kjeldahl Nitrogen	mg-N/l		1.1		
204	Nitrate	mg-N/l		27.7		
205	Nitrite	mg-N/l		<0.02		
257	Sulfate	mg/l			271	
301	Chloride	mg/l			235	
315	MBAS	mg/l				<0.1
723	Sodium	mg/l				
LYSIMETER LY4						
TEST	CONSTITUENT	UNIT	JAN	MARCH	MAY	JUNE
155	Total Dissolved Solids	mg/l		852		
201	Ammonia	mg-N/l	<0.1			
203	Kjeldahl Nitrogen	mg-N/l	<0.1			
204	Nitrate	mg-N/l	39			
205	Nitrite	mg-N/l	0.034			
257	Sulfate	mg/l		27		
301	Chloride	mg/l		147		
315	MBAS	mg/l		<0.1		
723	Sodium	mg/l			52.9	
LYSIMETER LY6						
TEST	CONSTITUENT	UNIT	JAN	MARCH	MAY	JUNE
155	Total Dissolved Solids	mg/l		1033		
201	Ammonia	mg-N/l		<0.1		
203	Kjeldahl Nitrogen	mg-N/l		0.1		
204	Nitrate	mg-N/l	49.5			
205	Nitrite	mg-N/l	<0.02			
257	Sulfate	mg/l		138		
301	Chloride	mg/l		170		
315	MBAS	mg/l				<0.1
723	Sodium	mg/l				
LYSIMETER LY8						
TEST	CONSTITUENT	UNIT	JAN	MARCH	MAY	JUNE
155	Total Dissolved Solids	mg/l		850		
201	Ammonia	mg-N/l	<0.1			
203	Kjeldahl Nitrogen	mg-N/l	<0.1			
204	Nitrate	mg-N/l	23.9			
205	Nitrite	mg-N/l	<0.02			
257	Sulfate	mg/l		118		
301	Chloride	mg/l		159		
315	MBAS	mg/l		<0.1		
723	Sodium	mg/l				
LYSIMETER LY16						
TEST	CONSTITUENT	UNIT	JAN	MARCH	MAY	JUNE
155	Total Dissolved Solids	mg/l			859	
201	Ammonia	mg-N/l				
203	Kjeldahl Nitrogen	mg-N/l				
204	Nitrate	mg-N/l	50.4			
205	Nitrite	mg-N/l	<0.02			
257	Sulfate	mg/l			134	
301	Chloride	mg/l			156	
315	MBAS	mg/l				
723	Sodium	mg/l				

PALMDALE WATER RECLAMATION PLANT

FIGURES 6.1 – 6.70

GRAPHICAL SUMMARIES

FIGURE 6-1

PALMDALE WATER RECLAMATION PLANT

Effluent Spreading/Reuse Sites, Wells and Lysimeters

