

FILE NAME --- OCT2C

Revised - 11/20/85

Water Quality Data For 20-Sand Aquifer
Stabilization - October 1985

Date Sampled 10/16/85	55	75	95	135	165	175	Core Lab 195	205	265	275	295	Average	LLD
Temperature, C, Field	17.8	19.2	18.2	19.4	17	19.6	19.2	17	17.3	17.4	17.3	18.13	
pH, Units, Field	6.71	6.31	6.54	6.24	6.51	6.05	6.61	7.04	6.71	6.56	7.05	6.58	
pH, Units, Lab at 25 C	7.2	6.8	7.1	6.9	6.9	6.5	7.2	7.8	7.2	7.1	7.8	7.14	
Conductivity, umhos, Field-Ambient	435	357	434	341	240	361	396	279	296	415	389	358	
Conductivity, umhos, Lab at 25 C	511	405	495	370	285	413	456	328	358	491	467	416	
TDS, Evaporation at 180 C	388	276	348	248	186	302	302	218	232	354	306	287	
Sodium	100	70	65	74	48	44	72	55	72	80	82	69	1
Potassium	3	1	1	1	1	1	1	2	2	1	2	1	1
Calcium	27	21	47	11	12	49	32	22	14	35	28	27	1
Magnesium	4	3	5	1	2	7	3	2	2	3	4	3	1
Sulfate	158	160	153	136	69	206	146	68	84	119	110	128	
Chloride	4	7	4	4	4	4	4	4	3	5	4	4	
Carbonate	0	0	0	0	0	0	0	0	0	0	0	0	
Bicarbonate	159	55	134	49	73	49	122	128	134	183	195	116	
Hydronium	0	0	0	0	0	0	0	0	0	0	0	0	
Total Milliequivalent Major Cations	6.10	4.37	5.61	3.88	2.88	4.96	5.00	3.71	4.05	5.50	5.34		
Total Milliequivalent Major Anions	6.01	4.43	5.49	3.75	2.75	5.20	5.15	3.63	4.03	5.62	5.60		
Absolute Value, Charged, Balance	0.79	0.71	1.05	1.71	2.34	2.37	1.47	1.08	0.21	1.07	2.33		
Ammonia as N	ND	ND	ND	ND	.11	ND	.14	.12	ND	ND	.11	ND	.1
Nitrate as N	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.1
Fluoride	ND	.04	.09	.04	ND	.07	ND	.14	.09	ND	.2	.06	.01
Total Alkalinity as CaCO3	130	45	110	40	60	40	100	105	110	150	160	95	
Total Hardness as CaCO3	84	65	138	32	38	151	92	63	43	100	86	81	
Boron	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.1
Aluminum	ND	ND	ND	ND	ND	ND	.11	ND	ND	ND	ND	ND	.1
Arsenic	.027	.012	.004	.029	.057	ND	.005	.005	.027	.007	.073	.022	.004
Barium	.04	.05	.05	.034	.023	.11	.063	.032	.026	.049	.04	.05	.01
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.01
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.05
Copper	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.01
Iron	.96	3.20	0.28	1.30	4.50	0.98	2.40	.046	1.20	1.20	.087	1.47	.03
Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.05
Manganese	0.38	0.38	0.61	0.20	0.28	0.59	0.65	0.14	0.39	0.54	0.57	0.43	.01
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.0004
Nickel	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.04
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.01
Zinc	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.01
Molybdenum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.02
Uranium, U308	.13	.036	.056	.094	.018	.2	.5	.23	1.3	.018	.63	.292	.001
Vanadium, V205	ND	.025	.023	.052	.023	.095	ND	ND	.021	.02	.19	.041	.02
Radium 226, pCi/l	171	90	61	159	135	424	137	75	53	192	202	150	
Radium, Precision pCi/L, +/-	4.1	2.4	2.5	4	3.7	6.5	3.7	1.6	2.3	4.6	4.7		

Analyses reported in milligrams per liter except where noted.

ND - not detected, NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

8512190254 851031
PDR ADOCK 04008783
C PDR

FILE NAME --- AVEC

Revised - 11/20/85

Water Quality Data For 20-Sand Aquifer
Stabilization - January to October 1985

Date Sampled	Core Lab										Baseline			
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Average	UUS	STATE	LLD
Temperature, C, Field	17.93	18.88	18.69	18.7	19.28	19.45	19.62	18.99	18.75	18.13	18.84	12.63	13.5	
pH, Units, Field	6.25	6.3	6.34	6.46	5.91	6.51	6.52	6.55	6.26	6.58	6.37	8.53	8.5	
pH, Units, Lab at 25 C	7.05	7.11	7.39	7.85	7.49	7.91	7.29	7.16	7.06	7.14	7.35	8.13	8.1	
Conductivity, umhos, Field-Ambient	250	344	386	387	415	329	376	402	397	358	364	453	440	
Conductivity, umhos, Lab at 25 C	277	337	382	434	457	432	427	416	389	416	397	515	516	
TDS, Evaporation at 180 C	189	255	299	337	360	323	299	305	301	287	295	338	335	
Sodium	56	82	72	81	77	69	71	71	73	69	72	112	112	1
Potassium	1.71	1.18		1.82	1.09		1		1	1	1.26	4	4	1
Calcium	7.09	13	18.91	24.55	28.45	28.00	25	27	28	27	23	8	7	1
Magnesium	0	1.18		1.55	2.64		2		3	3	1.9	2	2	1
Sulfate	91	133	155	186	183	149	130	137	139	128	143	102	101	
Chloride	7.45	9.09	7.36	8.91	8.73	7.27	6	5	6	4	6.98	6	6	
Carbonate	0	0		1.91	?		0	0	0	0	.24	20	+	
Bicarbonate	44	46		57	70		109	112	108	116	83	157	161	
Hydroxide					0		0	0	0	0	0			
Total Milliequivalent Major Cations														
Total Milliequivalent Major Anions														
Absolute Value, Charged, Balance														
Ammonia as N	ND	ND		ND	ND		ND		ND	ND	ND	.1	+	.1
Nitrate as N	.18	ND		ND	ND		ND		ND	ND	ND	.06	+	.1
Fluoride	.16	.16		0.12	.1		.2		.21	.06	.14	.41	.49	.01
Total Alkalinity as CaCO3	36.45	43	44.27	50	57	79	95	92	88	95	68	160	157	
Total Hardness as CaCO3	26.73	43		68	82		74		81	81	65	26	26	
Boron	ND	ND		ND	ND		ND		ND	ND	ND	.07	+	.1
Aluminum	ND	ND		ND	ND		ND		ND	ND	ND	.11	+	.1
Arsenic	.03	.019	.019	.018	.016	.012	.023	.026	.02	.022	.02	.011	+	.004
Barium	.026	.016		.043	.041		.05		ND	.05	.032	.04	+	.01
Cadmium	.013	ND		ND	ND		ND		ND	ND	ND	.003	+	.01
Chromium	ND	ND		ND	ND		ND		ND	ND	ND	ND	+	.05
Copper	.016	ND		ND	ND		ND		ND	ND	ND	.01	+	.01
Iron	.47	.74	1.86	2.47	3.37	1.65	1.54	1.54	1.37	1.47	1.65	.07	+	.03
Lead	ND	ND		ND	ND		ND		ND	ND	ND	.02	+	.05
Manganese	.15	.17	.3	.41	0.52	0.53	.4	.42	.41	.43	.37	.013	+	.01
Mercury	ND	ND		ND	ND		ND		ND	ND	ND	ND	+	.0004
Nickel	ND	ND		ND	ND		ND		ND	ND	ND	ND	+	.04
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.01	+	.001
Zinc	.033	ND		ND	ND		ND		ND	ND	ND	.08	+	.01
Molybdenum	ND	ND		ND	ND		ND		ND	ND	ND	ND	+	.02
Uranium, U308	.041	.06	.044	.084	.062	.103	.33	.247	.404	.292	.167	.017	+	.001
Vanadium, V205	.12	.05	.05	0.06	0.03	0.03	.04	.04	.038	.041	.05	.05	+	.02
Radium 226, pCi/l	41	45	122	129	146	131	140	115	136	150	116	111	111	
Radium, Precision pCi/l, +/-														

Analyses reported in milligrams per liter except where noted.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

FILE NAME --- 55

Revised - 11/20/85

Water Quality Data For 20-Sand Aquifer
Stabilization - Well 55

Date Sampled	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Average	LLO
Temperature, C, Field	19.1	18.7	18.5	18.3	18.5	18.6	19.2	18.5	18.3	17.8	18.55	
pH, Units, Field	6.15	6.45	6.4	6.35	6.2	6.79	6.6	6.64	6.4	6.71	6.47	
pH, Units, Lab at 25 C	7.2	6.9	7.7	6.6	7.5	7.6	7.3	7.1	7.1	7.2	7.22	
Conductivity, umhos, Field-Ambient	280	420	587	489	677	375	422	472	497	435	465	
Conductivity, umhos, Lab at 25 C	302	405	562	684	833	477	505	483	489	511	525	
TDS, Evaporation at 180 C	182	328	444	598	702	378	364	368	334	388	409	
Sodium	58	75	102	130	139	94	95	101	102	100	100	1
Potassium	2	2		3	2		2		2	3	2.3	1
Calcium	8	22	33	46	63	20	20	22	23	27	28	1
Magnesium	ND	1		4	7		3		3	4	3.7	1
Sulfate	82	168	244	376	408	138	135	136	147	158	199	
Chloride	10	8	8	6	10	8	6	4	6	4	7	
Carbonate	0	0		0	0		0	0	0	0	0	
Bicarbonate	54	61		73	98		146	171	171	159	117	
Hydroxide				0	0		0	0	0	0	0	
Total Milliequivalent Major Cations	2.97	4.49		8.36	9.82		5.44		5.88	6.1		
Total Milliequivalent Major Anions	2.88	4.72		9.19	10.38		5.37		6.03	6.01		
Absolute Value, Charged, Balance	1.59	2.47		4.73	2.77		0.58		1.25	.79		
Ammonia as N	ND	.13		.1	ND		ND		ND	ND	ND	.1
Nitrate as N	ND	ND		ND	.1		ND		ND	ND	ND	.1
Fluoride	.19	.16		.07	ND		.17		.14	ND	.1	.01
Total Alkalinity as CaCO3	44	50	55	60	80	115	120	140	140	130	93	
Total Hardness as CaCO3	20	59		132	186		63		70	84	88	
Boron	ND	ND		ND	ND		ND		ND	ND	ND	.1
Aluminum	ND	ND		ND	ND		ND		ND	ND	ND	.1
Arsenic	.057	.031	.017	.016	.021	.01	.024	.026	.023	.027	.025	.004
Barium	.02	.03		.08	.11		.06		ND	.04	.05	.01
Cadmium	.02	ND		ND	ND		ND		ND	ND	ND	.01
Chromium	ND	ND		ND	ND		ND		ND	ND	ND	.05
Copper	ND	ND		ND	ND		ND		ND	ND	ND	.01
Iron	.47	2.4	5	8.1	13	2.5	1.3	1.1	.98	.96	3.58	.03
Lead	ND	ND		ND	ND		ND		ND	ND	ND	.05
Manganese	.11	.28	.57	.87	1.4	.41	.38	.39	.39	.38	.53	.01
Mercury	ND	ND		ND	ND		ND		ND	ND	ND	.0004
Nickel	ND	ND		ND	ND		ND		ND	ND	ND	.04
Selenium	.007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.001
Zinc	ND	ND		ND	ND		ND		ND	ND	ND	.01
Molybdenum	ND	.02		ND	ND		ND		ND	ND	ND	.02
Uranium, U308	.013	.024	.025	.027	.07	.09	.086	.075	.075	.13	.062	.001
Vanadium, V205	ND	.03	.02	.02	ND	ND	ND	ND	ND	ND	ND	.02
Radium 226, pCi/l	54	20	206	205	379	103	126	98	*117	171	148	
Radium, Precision pCi/l, +/-	1.2	1		6.2	6.1	3.1	3.6	3	4	4.1		

Analyses reported in milligrams per liter except where noted.

ND = not detected. NR = not reported.

The underlined data are considered as outliers and are not included in the calculations.

FILE NAME --- S7

Revised - 11/20/85

Water Quality Data For 20-Sand Aquifer
Stabilization - Well 75

Date Sampled	Core Lab										Average	LLD
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		
Temperature, C, Field	-	19.8	19.4	19.8	19.2	20	20.1	19.6	19.3	19.2	19.6	
pH, Units, Field	6.85	6.45	6.15	6.45	5.8	6.22	6.26	6.29	5.99	6.31	6.28	
pH, Units, Lab at 25 C	6.9	7.1	7.3	7.8	6.9	7.6	7.1	6.9	6.8	6.8	7.12	
Conductivity, umhos, Field-Ambient	176	346	433	495	485	317	339	369	353	357	367	
Conductivity, umhos, Lab at 25 C	279	330	410	498	543	377	386	372	382	405	398	
TDS, Evaporation at 180 C	172	246	312	390	422	254	272	272	278	276	289	
Sodium	57	66	80	93	98	66	67	69	72	70	74	1
Potassium	1	2		2	1				1	1	1	1
Calcium	3	1	15	24	30	15	16	17	19	21	16	1
Magnesium	ND	9		2	3		2		3	3	3.7	1
Sulfate	96	142	182	244	266	144	147	150	157	160	169	
Chloride	4	8	8	8	10	10	6	8	8	7	7.7	
Carbonate	0	0		0	0		0	0	0	0	0	
Bicarbonate	30	27		34	39		49	55	61	55	44	
Hydroxide				0	0		0	0	0	0	0	
Total Milliequivalent Major Cations	2.66	3.71		5.46	6.03		3.90		4.35	4.37		
Total Milliequivalent Major Anions	2.6	3.62		5.87	6.45		4.03		4.49	4.43		
Absolute Value, Charged, balance	1.13	1.24		3.66	3.38		1.58		1.58	.71		
Ammonia as N	ND	ND		ND	ND		ND		ND	ND	ND	.1
Nitrate as N	ND	ND		ND	ND		ND		ND	ND	ND	.1
Fluoride	.14	.13		.09	ND		.15		.16	.04	.1	.01
Total Alkalinity as CaCO3	25	52	26	28	32	50	40	45	50	45	39	
Total Hardness as CaCO3	100	81		68	87		48		60	65	73	
Boron	ND	ND		.1	.12		ND		ND	ND	.03	.1
Aluminum	ND	.1		ND	ND		ND		ND	ND	ND	.1
Arsenic	.019	.02	.02	.014	.019	.011	.015	.014	.012	.012	.016	.004
Barium	.03	.02		.06	.08		.04		ND	.05	.04	.01
Cadmium	ND	ND		ND	ND		ND		ND	ND	ND	.01
Chromium	ND	ND		ND	ND		ND		ND	ND	ND	.05
Copper	ND	ND		.03	ND		ND		ND	ND	ND	.01
Iron	.38	.74	1.2	2.6	3.1	2.8	2.7	2.9	2.9	3.2	2.25	.03
Lead	ND	ND		ND	ND		ND		ND	ND	ND	.05
Manganese	.12	.1	.14	.28	.38	.35	.32	.35	.37	.38	.28	.01
Mercury	ND	ND		ND	ND		ND		ND	ND	ND	.0004
Nickel	ND	ND		ND	ND		ND		ND	ND	ND	.04
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.001
Zinc	.01	ND		.07	ND		ND		ND	ND	.01	.01
Molybdenum	ND	ND		ND	ND		ND		ND	ND	ND	.02
Uranium, U308	.007	.015	.016	.034	.028	.02	.029	.028	.028	.036	.024	.001
Vanadium, V205	.05	.02	.04	.02	ND	ND	ND	.03	ND	.025	.019	.02
Radium 226, pCi/l	55	52	.78	168	136	120	155	131	160	90	125	
Radium, Precision pCi/l, +/-	1.2	3		5.7	3.5	3.3	4	3.4	5	2.4		

Analyses reported in milligrams per liter except where noted.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

Water Quality Data For 20-Sand Aquifer
Stabilization - Well 95

Date Sampled	Core Lab											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Average	LLO
Temperature, C, Field	16.7	18.9	19.4	19	19.9	20	19.7	19.3	19	18.2	19.01	
pH, Units, Field	6.15	6	6.35	6.2	5.5	6.58	6.54	6.54	6.38	6.54	6.28	
pH, Units, Lab at 25 C	7.4	7.1	7.5	8.3	8.2	8	7.3	7.3	7.2	7.1	7.54	
Conductivity, μ mhos, Field-Ambient	223	249	275	282	393	362	469	513	504	434	370	
Conductivity, μ mhos, Lab at 25 C	246	250	265	331	385	507	550	527	473	495	403	
TDS, Evaporation at 180 C	176	192	198	260	328	410	390	397	360	348	306	
Sodium	50	53	58	60	65	74	75	73	71	65	64	1
Potassium	5	1	1	1	1	1	1	1	1	1	1.6	1
Calcium	6	9	10	22	31	46	51	53	52	47	32.7	1
Magnesium	0	0	0	2	6	4	6	4	6	4	2.3	1
Chloride	10	8	8	8	8	8	8	8	8	8	133	
Carbonate	0	0	0	0	0	0	0	0	0	0	25	
Bicarbonate	43	63	76	105	146	146	146	134	134	134	108	
Hydroxide	2.6	2.79	3.8	4.56	6.16	6.16	6.16	6.04	5.97	5.61	0	
Total Milliequivalent Major Cations	2.6	2.88	3.8	4.69	6.2	6.2	6.2	5.97	5.49	5.61	0	
Absolute Value, Charged, Balance	0	1.67	0	1.39	0.3	0.3	0.3	0.6	1.05	0	0	
Ammonia as N	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nitrate as N	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoride	1.7	2.6	1.5	1.7	2.4	2.4	2.4	2.5	2.5	2.5	1.9	
Total Alkalinity as CaCO ₃	52	52	64	65	110	120	120	120	110	110	89	
Total Hardness as CaCO ₃	15	23	59	86	144	144	144	146	138	138	87	
Boron	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aluminum	.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	.1	
Arsenic	.032	.008	.006	.004	ND	ND	ND	ND	ND	ND	.006	
Barium	.03	ND	.02	ND	.07	.07	.07	.05	.05	.05	.02	
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Copper	.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Lead	.24	.22	.21	.36	.44	.37	.32	.27	.28	.29	.03	
Iron	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Manganese	.06	.11	.17	.33	.54	.58	.63	.59	.61	.38	.05	
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nickel	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Molybdenum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Uranium, U308	.012	.049	.13	.07	.05	.082	.051	.05	.056	.023	.06	
Radium 226, pCi/l	.16	.11	.13	.09	.05	.03	.03	.02	.05	.023	.064	
Radium, Precision pCi/l, +/-	1	14	22	31	41	45	45	56	48	61	41	

Analyses reported in milligrams per liter except where noted.

ND = not detected. NR = not reported.

The underlined data are considered as outliers and are not included in the calculations.

FILE NAME --- S13

Revised - 11/20/85

Water Quality Data For 20-Sand Aquifer
Stabilization - Well 135

Date Sampled	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Average	LLD
Temperature, C, Field	17.1	20.3	19.4	19.8	19.7	20.6	20.8	20.2	19.7	19.4	19.7	
pH, Units, Field	6.5	6.7	6.75	6.75	5.5	6.2	6.11	6.23	5.92	6.24	6.29	
pH, Units, Lab at 25 C	6.9	6.9	7.4	7.8	7.2	7.6	7.2	6.8	6.8	6.9	7.15	
Conductivity, umhos, Field-Ambient	283	327	340	328	331	311	411	398	341	341	341	
Conductivity, umhos, Lab at 25 C	301	326	325	356	435	383	413	390	366	370	367	
TDS, Evaporation at 180 C	209	242	242	270	270	292	280	282	266	248	260	
Sodium	64	67	70	77	74	78	80	79	75	74	74	1
Potassium	0	1		2	1		1		1	1	1	1
Calcium	4	7	8	9	9	9	10	11	11	11	8.9	1
Magnesium	0	0		1	1		1		1	1	.7	1
Sulfate	108	132	141	154	147	152	160	174	148	136	145	
Chloride	12	4	8	8	10	8	8	8	6	4	7.6	
Carbonate	0	0		0	0		0	0	0	0	0	
Bicarbonate	17	20		29	39		37	37	37	49	33	
Hydroxide				0	0		0	0	0	0	0	
Total Milliequivalent Major Cations	2.98	3.29		3.91	3.78		4.09		3.92	3.88		
Total Milliequivalent Major Anions	2.87	3.19		3.91	3.98		4.17		3.85	3.75		
Absolute Value, Charged, Balance	1.95	1.61		0	2.62		.97		.83	1.71		
Ammonia as N	ND	ND		ND	ND		ND		ND	ND	ND	.1
Nitrate as N	2	ND		ND	ND		ND		ND	ND	.33	.1
Fluoride	.14	.15		.13	.12		.16		.13	.04	.12	.01
Total Alkalinity as CaCO3	14	16	18	24	32	33.3	30	30	30	40	27	
Total Hardness as CaCO3	10	18		26	27		29		32	32	25	
Boron	ND	ND		ND	ND		ND		ND	ND	ND	.1
Aluminum	ND	ND		ND	ND		ND		ND	ND	ND	.1
Arsenic	.036	.039	.038	.03	.031	.023	.024	.023	.022	.029	.03	.004
Barium	ND	.01		.08	ND		.04		ND	.034	.023	.01
Cadmium	ND	ND		ND	ND		ND		ND	ND	ND	.01
Chromium	ND	ND		ND	ND		ND		ND	ND	ND	.05
Copper	ND	ND		.04	ND		ND		ND	ND	ND	.01
Iron	.37	.63	.52	.51	.42	.46	.67	.95	.99	1.3	.68	.03
Lead	ND	ND		ND	ND		ND		ND	ND	ND	.05
Manganese	.01	.04	.04	.06	.06	.08	.12	.15	.16	.2	.09	.01
Mercury	ND	ND		ND	ND		ND		ND	ND	ND	.0004
Nickel	ND	ND		ND	ND		ND		ND	ND	ND	.04
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.001
Zinc	.02	.01		ND	ND		ND		ND	ND	ND	.01
Molybdenum	ND	ND		ND	ND		ND		ND	ND	ND	.02
Uranium, U308	.018	.025	.027	.042	.045	.055	.14	.08	.08	.094	.061	.001
Vanadium, V205	.17	.02	.14	.08	.08	.06	.06	.04	.052	.052	.075	.02
Radium 226, pCi/l	8.6	6.3	54	66	71	88	117	90	118	159	78	
Radium, Precision pCi/l, +/-	.5	.5		3.6	2.7	2.2	3.5	2.8	4	4		

Analyses reported in milligrams per liter except where noted.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

Water Quality Data For 20-Sand Aquifer
Stabilization - Well 165

Date Sampled	Core Lab										Average	LLD
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		
Temperature, C, Field	18.1	18.2	18	17.7	18.4	19.1	18.6	17.9	17.8	17	18.08	
pH, Units, Field	6.05	6.25	6.05	6.25	5.5	6.33	6.48	6.55	6.08	6.51	6.21	
pH, Units, Lab at 25 C	6.8	6.7	6.8	6.7	6.2	7.5	7.1	7.1	6.9	6.9	6.87	
Conductivity, umhos, Field-Ambient	252	398	491	430	380	191	230	261	274	240	315	
Conductivity, umhos, Lab at 25 C	259	394	488	520	426	220	269	288	259	285	341	
TDS, Evaporation at 180 C	186	304	398	410	338	188	182	206	206	186	260	
Sodium	56	80	90	103	65	37	46	48	51	48	62	1
Potassium	0	1		3	1		1		1	1	1	1
Calcium	3	10	18	22	24	12	13	14	14	12	14	1
Magnesium	0	1		3	4		2		2	2	2	1
Sulfate	94	175	240	280	202	88	73	90	84	69	140	
Chloride	4	8	8	8	10	6	6	6	6	4	7	
Carbonate	0	0		0	0		0	0	0	0	0	
Bicarbonate	29	24		7	5		76	67	73	73	44	
Hydroxide				0	0		0	0	0	0	0	
Total Milliequivalent Major Cations	2.59	4.09		5.91	4.38		2.84		3.11	2.88		
Total Milliequivalent Major Anions	2.55	4.26		6.16	4.57		2.94		3.11	2.75		
Absolute Value, Charged, Balance	.7	2.04		2.07	2.08		1.71		.1	2.34		
Ammonia as N	ND	ND		ND	ND		ND		ND	.11	ND	.1
Nitrate as N	ND	ND		.34	ND		ND		ND	ND	ND	.1
Fluoride	.13	.14		.07	ND		.13		.13	ND	.09	.01
Total Alkalinity as CaCO3	24	20	10	6	4	26	125	55	60	60	39	
Total Hardness as CaCO3	8	29		68	76		41		43	38	43	
Boron	.1	ND		ND	ND		ND		ND	ND	ND	.1
Aluminum	ND	ND		ND	ND		.11		ND	ND	ND	.1
Arsenic	.04	.038	.056	.047	.029	.036	.056	.056	.049	.057	.046	.004
Barium	.02	ND		.04	.07		.02		ND	.023	.025	.01
Cadmium	.03	ND		ND	ND		ND		ND	ND	ND	.01
Chromium	ND	ND		ND	ND		ND		ND	ND	ND	.05
Copper	ND	ND		ND	ND		ND		ND	ND	ND	.01
Iron	.48	ND	7.8	9.8	13	5.2	3.4	4.1	4	4.5	5.81	.03
Lead	ND	ND		ND	ND		ND		ND	ND	ND	.05
Manganese	.07	ND	.6	.74	.78	.36	.25	.31	.29	.28	.41	.01
Mercury	ND	ND		ND	ND		ND		ND	ND	ND	.0004
Nickel	ND	ND		ND	ND		ND		ND	ND	ND	.04
Selenium	.013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.001
Zinc	.05	ND		.02	ND		ND		ND	ND	.01	.01
Molybdenum	ND	ND		ND	ND		ND		ND	ND	ND	.02
Uranium, U308	.01	.035	.038	.056	.032	.011	.018	.011	.01	.018	.024	.001
Vanadium, V205	.23	ND	.08	.11	ND	.03	ND	.02	ND	.023	.049	.02
Radium 226, pCi/l	26	48	248	259	261	102	66	85	91	135	132	
Radium, Precision pCi/l, +/-	.8	2.9		7	5.1	3.1	2.6	3	4	3.7		

Analyses reported in milligrams per liter except where noted.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

FILE NAME --- S17

Revised - 11/20/85

Water Quality Data For 20-Sand Aquifer
Stabilization - Well 175

Date Sampled	Core Lab										Average	LLD
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		
Temperature, C, Field	19.9	19.3	19.6	19.4	20.4	20.6	21.2	20.4	19.6	19.6	20	
pH, Units, Field	5.9	6.1	6.25	6.75	5.5	5.81	6.02	5.95	5.61	6.05	5.99	
pH, Units, Lab at 25 C	6.8	7.3	7.3	7.8	7.6	7.5	6.7	6.6	6.3	6.5	7.04	
Conductivity, umhos, Field-Ambient	210	234	266	297	358	348	392	404	390	361	326	
Conductivity, umhos, Lab at 25 C	215	233	252	302	360	459	438	419	380	413	347	
TDS, Evaporation at 130 C	128	176	208	252	302	346	320	311	302	302	265	
Sodium	44	49	53	63	74	80	60	54	50	44	57	1
Potassium	0	1		1	2		1		1	1	1	1
Calcium	3	5	6	7	12	15	31	34	39	49	20	1
Magnesium	0	0		0	1		4		5	7	2.4	1
Sulfate	70	90	102	132	152	216	166	172	171	206	148	
Chloride	6	10	5	8	10	4	6	4	4	4	6.1	
Carbonate	0	0		0	0		0	0	0	0	0	
Bicarbonate	24	27		22	37		55	49	49	49	39	
Hydroxide				0	0		0	0	0	0	0	
Total Milliequivalent Major Cations	2.06	2.41		3.12	3.95		4.52		4.56	4.96		
Total Milliequivalent Major Anions	2.02	2.59		3.34	4.05		4.52		4.47	5.2		
Absolute Value, Charged, Balance	1.08	3.57		3.41	1.24		0		.94	2.37		
Ammonia as N	ND	ND		ND	ND		ND		.4	ND	ND	.1
Nitrate as N	ND	ND		.35	.12		ND		ND	ND	.07	.1
Fluoride	.18	.16		.12	.11		.21		.22	.07	.15	.01
Total Alkalinity as CaCO3	20	22	26	18	30	20	45	40	40	40	30	
Total Hardness as CaCO3	8	13		18	34		94		118	151	62	
Boron	ND	ND		ND	ND		ND		ND	ND	ND	.1
Aluminum	.2	ND		ND	ND		ND		.12	ND	ND	.1
Arsenic	.008	.012	.006	.005	.005	.006	ND	.007	ND	ND	.005	.004
Barium	.01	ND		.01	ND		.12		ND	.11	.04	.01
Cadmium	ND	ND		ND	ND		ND		ND	ND	ND	.01
Chromium	ND	ND		ND	ND		ND		ND	ND	ND	.05
Copper	ND	ND		ND	ND		ND		ND	ND	ND	.01
Iron	.5	.78	.1	.2	.16	.2	.99	1	.95	.98	.59	.03
Lead	ND	ND		ND	ND		ND		ND	ND	ND	.05
Manganese	.02	.02	.02	.03	.04	.17	.44	.48	.54	.59	.24	.01
Mercury	ND	ND		ND	ND		ND		ND	ND	ND	.0004
Nickel	ND	ND		ND	ND		ND		ND	ND	ND	.04
Selenium	.012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.001
Zinc	.02	ND		ND	.01		ND		ND	ND	ND	.01
Molybdenum	ND	ND		ND	ND		ND		ND	ND	ND	.02
Uranium, U308	.019	.095	.005	.11	.087	.012	.27	.21	.22	.2	.13	.001
Vanadium, V205	ND	.1	.02	.06	.09	.04	.07	.11	.09	.095	.075	.02
Radium 226, pCi/l	38	29	36	30	41	160	332	305	382	424	178	
Radium, Precision pCi/l, +/-	1	1.7		2.5	2.1	3.8	5.9	5.2	7.2	6.5		

Analyses reported in milligrams per liter except where noted.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

FILE NAME --- S19

Revised - 11/20/85

Water Quality Data For 20-Sand Aquifer
Stabilization - Well 195

Date Sampled	Core Lab										Average	LLD
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		
Temperature, C, Field	19.8	19.8	19.2	19.1	20.2	19.8	20.3	19.8	19.6	19.2	19.68	
pH, Units, Field	6.15	6.25	6.65	6.75	6	6.64	6.44	6.48	6.27	6.61	6.42	
pH, Units, Lab at 25 C	7.2	7.1	7.4	8.2	7.5	7.8	7.2	7	7	7.2	7.36	
Conductivity, umhos, Field-Ambient	310	369	339	392	403	335	384	423	405	396	376	
Conductivity, umhos, Lab at 25 C	316	355	349	385	395	408	437	440	393	456	393	
TDS, Evaporation at 180 C	191	250	276	278	280	316	298	310	308	302	281	
Sodium	66	68	64	73	70	73	70	73	77	72	71	1
Potassium	1	1		2	1		1		1	1	1	1
Calcium	7	15	18	21	22	23	27	30	32	32	23	1
Magnesium	0	0		1	1		1		2	3	1	1
Sulfate	113	144	138	152	147	148	150	166	204	146	151	
Chloride	6	8	8	8	8	8	6	4	6	4	6.6	
Carbonate	0	0		0	0		0	0	0	0	0	
Bicarbonate	44	44		59	61		85	85	43	122	68	
Hydroxide				0	0		0	0	0	0	0	
Total Milliequivalent Major Cations	2.86	3.74		4.36	4.25		4.51		5.14	5		
Total Milliequivalent Major Anions	2.86	3.95		4.36	4.28		4.68		5.12	5.15		
Absolute Value, Charged, Balance	0	2.76		0	.39		1.91		.18	1.47		
Ammonia as N	ND	ND		ND	ND		ND		ND	.14	ND	.1
Nitrate as N	ND	ND		.38	ND		ND		ND	ND	ND	.1
Fluoride	.16	.16		.13	.12		.14		.14	ND	.12	.01
Total Alkalinity as CaCO3	36	56	40	48	50	70	70	70	35	100	58	
Total Hardness as CaCO3	18	38		56	59		72		88	92	60	
Boron	ND	ND		.1	ND		ND		ND	ND	ND	.1
Aluminum	.1	ND		ND	ND		ND		ND	.11	ND	.1
Arsenic	.025	.023	.013	.021	.018	.014	.014	.014	.01	.005	.016	.004
Barium	.01	.02		.02	ND		.05		ND	.063	.023	.01
Cadmium	.02	ND		ND	ND		ND		ND	ND	ND	.01
Chromium	ND	ND		ND	ND		ND		ND	ND	ND	.05
Copper	ND	ND		ND	ND		ND		ND	ND	ND	.01
Iron	.44	.9	1.1	1.2	1.6	2.2	2.3	2.4	2.3	2.4	1.68	.03
Lead	ND	ND		ND	ND		ND		ND	ND	ND	.05
Manganese	.12	.27	.31	.36	.39	.5	.57	.58	.62	.65	.44	.01
Mercury	ND	ND		ND	ND		ND		ND	ND	ND	.0004
Nickel	ND	ND		ND	ND		ND		ND	ND	ND	.04
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.001
Zinc	ND	ND		ND	ND		ND		ND	ND	ND	.01
Molybdenum	ND	ND		ND	ND		ND		ND	ND	ND	.02
Uranium, U308	.15	.03	.02	.023	.065	.13	.12	.19	.46	.5	.169	.001
Vanadium, V205	ND	.03	ND	.03	ND	ND	ND	ND	ND	ND	ND	.02
Radium 226, pCi/l	33	35	72	67	91	89	115	108	122	137	87	
Radium, Precision pCi/l, +/-	1.1	2.9		3.6	3	2.9	3.5	3.1	4.1	3.7		

Analyses reported in milligrams per liter except where noted.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

FILE NAME --- S20

Revised - 11/20/85

Water Quality Data For 20-Sand Aquifer
Stabilization - Well 205

Date Sampled	Core Lab										Average	LLD
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		
Temperature, C, Field	16.7	17.9	17.8	17.9	18.4	18.5	18.8	18.2	17.9	17	17.91	
pH, Units, Field	6.4	6.55	6.4	6.4	6.2	7.12	6.9	6.96	6.69	7.04	6.67	
pH, Units, Lab at 25 C	7.4	7.6	7.8	8.4	7.9	8.3	7.8	8	7.9	7.8	7.89	
Conductivity, umhos, Field-Ambient	261	341	311	341	299	260	285	317	323	279	302	
Conductivity, umhos, Lab at 25 C	286	337	330	352	345	321	336	352	326	328	331	
TDS, Evaporation at 180 C	204	258	280	272	262	238	224	249	234	218	244	
Sodium	47	47	45	50	48	51	52	53	57	55	51	1
Potassium	1	1		2	1		1		1	2	1	1
Calcium	22	35	37	37	29	25	26	28	26	22	29	1
Magnesium	1	1		1	2		2		2	2	1.6	1
Sulfate	81	111	103	106	96	70	65	70	79	68	85	
Chloride	6	8	6	8	8	6	4	4	5	4	6	
Carbonate	0	0		5	0		0	0	0	0	.6	
Bicarbonate	85	107		100	98		140	146	134	128	117	
Hydroxide				0	0		0	0	0	0	0	
Total Milliequivalent Major Cations	2.03	4.05		4.16	3.73		3.76		3.97	3.71		
Total Milliequivalent Major Anions	2.03	4.29		4.24	3.83		3.76		3.98	3.63		
Absolute Value, Charged, Balance	0	2.82		.95	1.38		0		.19	1.08		
Ammonia as N	ND	ND		ND	ND		ND		ND	.12	ND	.1
Nitrate as N	ND	ND		.35	.18		ND		ND	ND	.09	.1
Fluoride	.16	.16		.17	.21		.13		.32	.14	.18	.01
Total Alkalinity as CaCO3	70	88	92	90	80	100	115	120	110	105	97	
Total Hardness as CaCO3	59	99		96	81		73		73	63	78	
Boron	.1	ND		ND	ND		ND		ND	ND	ND	.1
Aluminum	ND	.1		ND	ND		ND		ND	ND	ND	.1
Arsenic	.033	ND	ND	ND	.006	ND	.004	.01	.005	.005	.005	.004
Barium	.04	.03		.03	ND		.04		ND	.032	.025	.01
Cadmium	.03	ND		ND	ND		ND		ND	ND	ND	.01
Chromium	ND	ND		ND	ND		ND		ND	ND	ND	.05
Copper	ND	ND		ND	ND		ND		ND	ND	ND	.01
Iron	.39	.08	.04	.07	.05	.04	.04	.03	ND	.046	.08	.03
Lead	ND	ND		ND	.06		.03		ND	ND	ND	.05
Manganese	.14	.17	.17	.1	.12	.14	.15	.16	.12	.14	.14	.01
Mercury	ND	ND		ND	ND		ND		ND	ND	ND	.0004
Nickel	ND	ND		ND	ND		ND		ND	ND	ND	.04
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.001
Zinc	.07	ND		ND	ND		ND		ND	ND	.01	.01
Molybdenum	ND	ND		ND	ND		ND		ND	ND	ND	.02
Uranium, U308	.13	.115	.088	.11	.097	.235	.135	.095	.2	.23	.144	.001
Vanadium, V205	.05	.04	.04	.03	ND	ND	.02	.02	ND	ND	.02	.02
Radium 226, pCi/l	30	16	32	10	26	23	22	20	23	25	23	
Radium, Precision pCi/l, +/-	1	1.7		1.6	1.7	1.5	1.6	1.4	2	1.6		

Analyses reported in milligrams per liter except where noted.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

FILE NAME --- 526

Revised - 11/20/85

Water Quality Data For 20-Sand Aquifer
Stabilization - Well 265

Date Sampled	Core Lab										Average	LLD
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		
Temperature, C, Field	17.5	18	18	18.1	18.8	18.7	19.3	18.3	18	17.3	18.2	
pH, Units, Field	5.95	6.35	6.6	6.8	6	6.66	6.72	6.68	6.42	6.71	6.49	
pH, Units, Lab at 25 C	7	7.4	7.4	8.2	7.7	8.3	7.4	7.1	7	7.2	7.47	
Conductivity, umhos, Field-Ambient	328	455	503	385	423	278	341	344	344	296	370	
Conductivity, umhos, Lab at 25 C	331	442	490	463	417	394	358	383	343	358	398	
TDS, Evaporation at 180 C	246	336	340	342	346	256	236	244	264	232	284	
Sodium	69	89	97	91	82	72	71	72	70	72	79	1
Potassium	1	1		2	1		1		1	2	1	1
Calcium	10	17	21	20	18	13	14	15	16	14	16	1
Magnesium	0	1		1	2		1		2	2	1	1
Sulfate	122	192	212	198	160	114	92	102	86	84	136	
Chloride	8	8	8	6	8	6	8	4	5	3	6.4	
Carbonate	0	0		0	0		0	0	0	0	0	
Bicarbonate	51	49		68	76		116	122	134	134	94	
Hydroxide				0	0		0	0	0	0	0	
Total Milliequivalent Major Cations	3.53	4.83		5.09	4.66		3.9		4.03	4.05		
Total Milliequivalent Major Anions	3.61	5.02		5.41	4.8		4.04		4.13	4.03		
Absolute Value, Charged, Balance	1.1	1.91		3.05	1.52		1.78		1.15	.21		
Ammonia as N	ND	.1		ND	ND		ND		.12	ND	ND	.1
Nitrate as N	ND	ND		.41	ND		ND		ND	ND	.07	.1
Fluoride	.14	.15		.14	.14		.28		.29	.09	.18	.01
Total Alkalinity as CaCO3	42	40	45	56	62	75	95	100	110	110	74	
Total Hardness as CaCO3	25	47		54	53		39		48	43	44	
Boron	ND	ND		ND	ND		ND		ND	ND	ND	.1
Aluminum	.2	.1		ND	ND		ND		ND	ND	.05	.1
Arsenic	.028	.02	.032	.02	.033	.024	.025	.029	.02	.027	.026	.004
Barium	.02	.03		.04	ND		.03		ND	.026	.021	.01
Cadmium	ND	ND		ND	ND		ND		ND	ND	ND	.01
Chromium	ND	ND		ND	ND		ND		ND	ND	ND	.05
Copper	.16	ND		ND	ND		ND		ND	ND	.02	.01
Iron	.4	1.4	2.2	2.1	1.8	1.3	1.4	1.5	1.2	1.2	1.45	.03
Lead	ND	ND		ND	.05		ND		ND	ND	ND	.05
Manganese	.32	.5	.53	.39	.44	.4	.39	.42	.39	.39	.42	.01
Mercury	ND	ND		ND	ND		ND		ND	ND	ND	.0004
Nickel	ND	ND		ND	ND		ND		ND	ND	ND	.04
Selenium	ND	ND	ND	ND	ND	.006	ND	.004	.025	ND	.004	.001
Zinc	.02	ND		ND	ND		ND		ND	ND	ND	.01
Molybdenum	ND	.02		ND	ND		ND		ND	ND	ND	.02
Uranium, U308	.04	.085	.08	.034	.13	.15	.23	.65	1.2	1.3	.39	.001
Vanadium, V205	.07	.02	ND	.06	ND	ND	ND	ND	ND	.021	.017	.02
Radium 226, pCi/l	13	44	157	108	104	74	97	101	89	53	84	
Radium, Precision pCi/l, +/-	1	1.2		4.5	3.2	2.6	3.2	3	4	2.3		

Analyses reported in milligrams per liter except where noted.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

FILE NAME --- S27

Revised - 11/20/85

Water Quality Data For 20-Sand Aquifer
Stabilization - Well 275

Date Sampled	Core Lab										Average	LLD
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		
Temperature, C, Field	-	18.1	17.5	17.3	18.5	18.2	18.8	18.2	17.9	17.4	17.99	
pH, Units, Field	6.65	6.25	6.2	6.6	6.5	6.59	6.44	6.55	6.29	6.56	6.46	
pH, Units, Lab at 25 C	7.5	7.8	7.6	8.3	7.7	8.4	7.2	7.1	6.9	7.1	7.56	
Conductivity, umhos, Field-Ambient	191	377	416	519	446	374	468	497	492	415	420	
Conductivity, umhos, Lab at 25 C	270	361	448	542	505	545	543	493	461	491	466	
TDS, Evaporation at 180 C	206	282	390	396	426	410	414	392	414	354	368	
Sodium	54	68	77	89	83	79	87	85	91	80	79	1
Potassium	1	1		1	1		1		1	1	1	1
Calcium	11	19	34	44	42	37	41	40	43	35	35	1
Magnesium	0	0		1	2		3		3	3	1.7	1
Sulfate	86	142	176	216	196	171	172	160	168	119	161	
Chloride	8	10	8	12	8	8	6	4	6	5	7.5	
Carbonate	0	0		12	0		0	0	0	0	1.5	
Bicarbonate	61	70		85	110		152	159	159	183	122	
Hydroxide				0	0		0	0	0	0	0	
Total Milliequivalent Major Cations	2.93	4.14		6.18	5.9		6.11		6.38	5.5		
Total Milliequivalent Major Anions	3.02	4.48		6.62	6.11		6.24		6.27	5.62		
Absolute Value, Charged, Balance	1.53	3.97		3.44	1.75		1.02		.83	1.07		
Ammonia as N	ND	.1		ND	ND		ND		ND	ND	ND	.1
Nitrate as N	ND	ND		.41	ND		ND		ND	ND	ND	.1
Fluoride	.17	.13		.09	ND		.18		.18	ND	.06	.01
Total Alkalinity as CaCO3	50	62	75	90	90	115	125	130	130	150	102	
Total Hardness as CaCO3	28	58		114	113		115		120	100	93	
Boron	ND	ND		ND	ND		ND		ND	ND	ND	.1
Aluminum	.2	.1		.1	ND		ND		ND	ND	.06	.1
Arsenic	.037	.022	.016	.03	.01	.004	.006	.012	.009	.007	.015	.004
Barium	.03	.02		.03	.05		.06		ND	.049	.034	.01
Cadmium	.02	ND		ND	ND		ND		ND	ND	ND	.01
Chromium	ND	ND		ND	ND		ND		ND	ND	ND	.05
Copper	ND	ND		.01	ND		ND		ND	ND	ND	.01
Iron	.33	.75	2.1	2.2	2.6	2.3	3.4	2.5	1.4	1.2	1.88	.03
Lead	ND	ND		ND	ND		ND		ND	ND	ND	.05
Manganese	.12	.14	.39	.53	.03	.63	.62	.61	.52	.54	.41	.01
Mercury	ND	ND		ND	ND		ND		ND	ND	ND	.0004
Nickel	ND	ND		ND	ND		ND		ND	ND	ND	.04
Selenium	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	.001
Zinc	.01	ND		ND	ND		ND		ND	ND	ND	.01
Molybdenum	ND	ND		ND	ND		ND		ND	ND	ND	.02
Uranium, U308	.037	.038	.029	.13	.027	.34	.046	.025	.32	.018	.101	.001
Vanadium, V205	.1	.13	.05	ND	ND	.02	.03	.02	.02	.02	.04	.02
Radium 226, pCi/l	33	39	95	150	130	186	180	85	159	192	125	
Radium, Precision pCi/l, +/-	1.2	3		5.3	3.2	4.1	4.3	2.8	5	4.6		

Analyses reported in milligrams per liter except where noted.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

Water Quality Data For 20-Sand Aquifer
Stabilization - Well 295

Date Sampled	Core Lab										Average	LLD
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.		
Temperature, C, Field	16.5	18.7	18.8	19.3	20.1	19.9	19	18.5	19.2	17.3	18.73	
pH, Units, Field	6.05	5.9	5.95	5.75	6.3	6.66	7.23	7.16	6.77	7.05	6.48	
pH, Units, Lab at 25 C	6.4	6.3	7.1	8.3	8	8.4	7.9	7.8	7.8	7.8	7.58	
Conductivity, umhos, Field-Ambient	233	267	283	298	374	465	392	425	439	389	357	
Conductivity, umhos, Lab at 25 C	238	278	288	344	385	667	463	430	410	467	397	
TDS, Evaporation at 180 C	178	190	200	240	288	460	304	328	350	306	284	
Sodium	56	60	58	58	44	54	81	79	87	82	66	1
Potassium	0	1		1	0		1		1	2	.9	1
Calcium	1	3	8	18	33	93	30	30	32	28	28	1
Magnesium	0	0		2	4		4		4	4	2.6	1
Sulfate	87	88	85	84	104	222	94	96	111	110	108	
Chloride	8	20	8	18	6	8	4	4	6	4	8.6	
Carbonate	0	0		2	0		0	0	0	0	.25	
Bicarbonate	29	17		73	102		195	195	189	195	124	
Hydroxide				0	0		0	0	0	0	0	
Total Milliequivalent Major Cations	2.49	2.79		3.61	3.89		5.38		5.74	5.34		
Total Milliequivalent Major Anions	2.52	2.67		3.53	4.01		5.27		5.58	5.6		
Absolute Value, Charged, Balance	.68	2.2		1.12	1.47		1.07		1.4	2.33		
Ammonia as N	ND	ND		ND	ND		ND		ND	.11	ND	.1
Nitrate as N	ND	ND		.42	.1		ND		ND	ND	.07	.1
Fluoride	.18	.2		.15	.21		.37		.34	.2	.24	.01
Total Alkalinity as CaCO3	24	14	36	64	84	150	160	160	155	160	101	
Total Hardness as CaCO3	3	8		53	99		92		96	86	62	
Boron	.1	ND		.1	.12		ND		ND	ND	ND	.1
Aluminum	ND	ND		ND	ND		ND		ND	ND	ND	.1
Arsenic	.015	ND	ND	.005	.005	ND	.085	.099	.07	.073	.035	.004
Barium	.05	.01		.06	.14		.05		ND	.04	.05	.01
Cadmium	.02	ND		ND	ND		ND		ND	ND	ND	.01
Chromium	ND	ND		ND	ND		ND		ND	ND	ND	.05
Copper	ND	ND		ND	ND		ND		ND	ND	ND	.01
Iron	1.2	.2	.23	.2	1	.75	.33	.17	.13	.087	.43	.03
Lead	ND	ND		ND	ND		ND		ND	ND	ND	.05
Manganese	.58	.16	.39	.98	1.7	2.3	.58	.54	.52	.57	.83	.01
Mercury	ND	ND		ND	ND		ND		ND	ND	ND	.0004
Nickel	.05	ND		ND	ND		ND		ND	ND	ND	.04
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	.001
Zinc	.07	ND		ND	ND		ND		ND	ND	.01	.01
Molybdenum	ND	.03		ND	ND		ND		ND	ND	ND	.02
Uranium, U308	.01	.15	.017	.23	.027	.04	2.45	1.3	1.8	.63	.665	.001
Vanadium, V205	.16	.07	.04	.11	.06	.07	.26	.2	.26	.19	.14	.02
Radium 226, pCi/l	132	195	246	323	331	451	257	182	184	202	250	
Radium, Precision pCi/l, +/-	7	5.9		8.5	5.7	6.4	5.2	4	5	4.7		

Analyses reported in milligrams per liter except where noted.

ND - not detected. NR - not reported.

The underlined data are considered as outliers and are not included in the calculations.

40-8783

URANERZ U.S.A., INC.

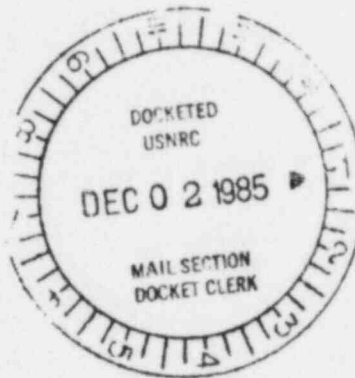
190 Pronghorn
Casper, WY 82601

RETURN ORIGINAL TO PDR, HQ.

November 27, 1985

Dr. Harry Pettengill
Section Chief
Operating Facilities Section I
U.S. Nuclear Regulatory Commission
Uranium Recovery Field Office
Lakewood Office
Lakewood Office Plaza
730 Sims Street, Suite 100A
Golden, CO 30401

Attention: Mr. Gary Konwinski
Project Manager



Re: Monthly Stabilization Data
Ruth ISL

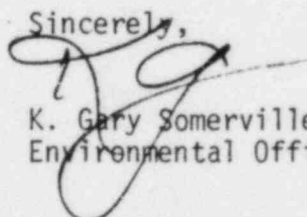
Docket #40-8733
License #SUA-1401

Dear Dr. Pettengill:

Attached you will find a copy of the monthly stabilization data that UUS has been sending in for your information. This was established as a routine item with Mr. Randy Brich, Project Manager, and only one copy was necessary. I send the State a copy also (Mr. Jim Finley). I spoke with Mr. Konwinski this morning about some questions he had in the final report he is reviewing and this data should help in clarify some of those questions.

Should you or your staff have additional questions or need additional data prior to the meeting next week, contact either myself, or Mr. George Hartman, our operations manager, at any time.

Sincerely,


K. Gary Somerville
Environmental Officer

attachment:

FEE EXEMPT

DESIGNATED ORIGINAL

Certified By Margaret Wood