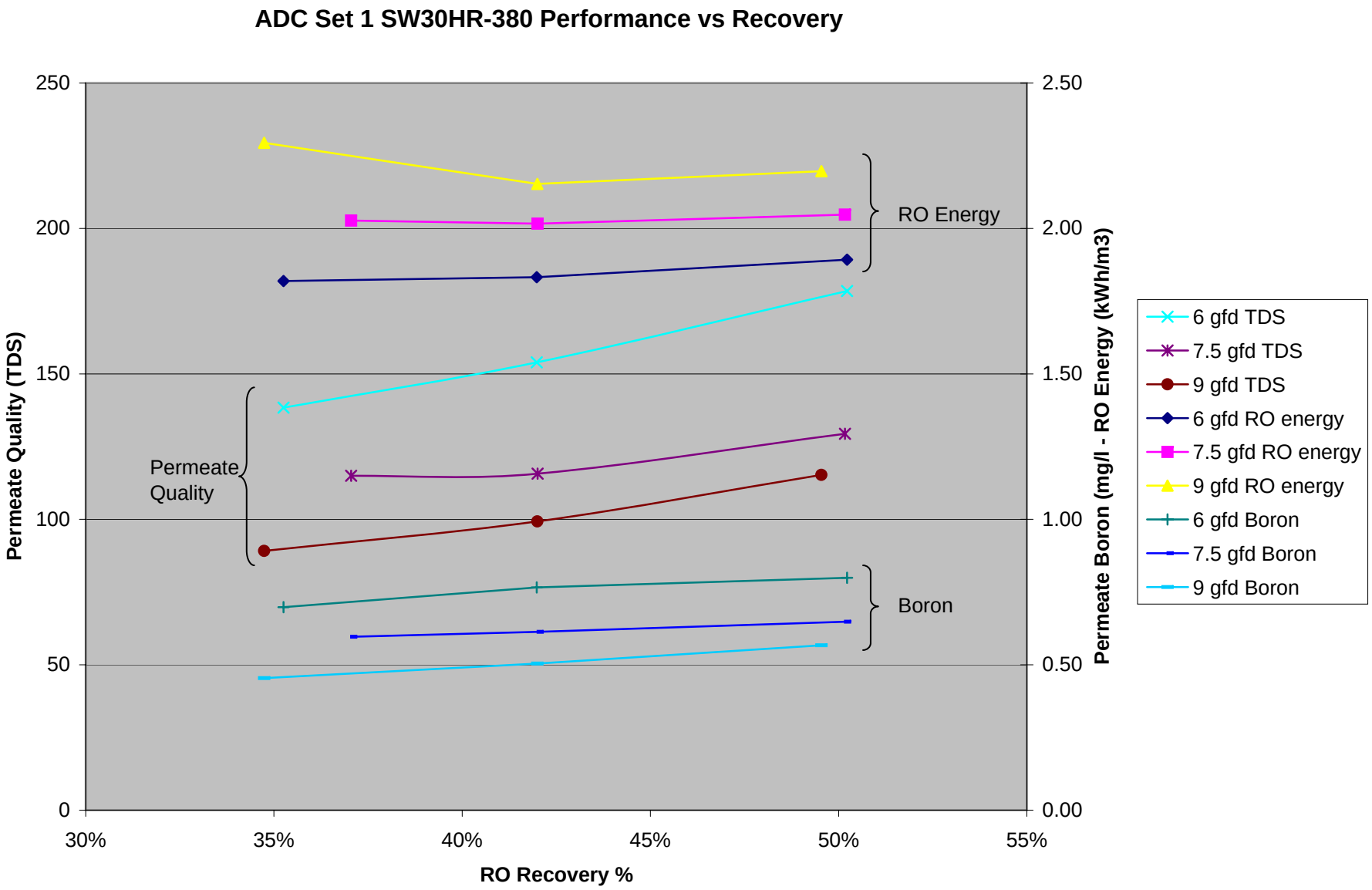
TEST	TIME			CALCULATED PARAMETERS				PRESSURES											FLOWS				MAIN PANEL KW METER				VFD KW METER			
	Date	Time	Operation Time	RO	Flux	Power	Influent	P_{MF-in}	P_{MF-out}	P_{CF-in}	P_{CF-out}	$P_{PX-Feed\ In}$	$P_{PX-Feed\ out}$	$P_{PX-conc\ out}$	$P_{PX-boost\ suct}$	P_{F-SYS}	P_{C-SYS}	P_{P-SYS}	$Q_{F-HP\ Pump}$	$Q_{PX\ Pump}$	$Q_{Feed\ PX-in}$	Q_{P-SYS}	A_{sys}	P HP/PX	P booster	Power	PX power	HP Power	Feed Pump	
	MM/DD/YY	hh:mm	hh.hh	Recovery %	Gfd	kWh/m3	Temp. (°C)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)	(psi)		(psi)	(psi)	(psi)	(gpm)	(gpm)	(gpm)	(gpm)	amp	(kw)	(kw)	Factor	(kw)	(kw)	(kw)	Notes
SW30HR-380 Phase I Testing																														
SW30HR RIPENING PERIOD	05/24/05	8:00 AM	44.96	41%	7.2	nm	15.5	48	45.5	45.5	42	40	32.5	nm	nm	825	820	1.5	41	56.4	57.8	40	24.2	nm	nm	nm	nm	nm	nm	
	05/26/05	12:45 PM	61.05	40%	7.2	1.99	16	49	39	38.5	35	33	25.5	nm	nm	825	815	1.5	40	55.8	58.95	40	24.2	18.1	4.67	0.895	nm	nm	nm	
	06/01/05	3:40 PM	87.76	42%	7.5	1.98	16	49	43.5	42.8	39.5	37.5	30.5	nm	nm	840	830	1.7	42	55.85	56.35	41.6	24.9	18.71	4.67	0.895	nm	nm	nm	
	06/03/05	9:30 AM	118.81	42%	7.5	2.07	14.5	49	35.5	35	25.5	24	17	nm	nm	870	860	2	41	55.94	57.37	41.6	26.2	19.55	4.684	0.893	nm	nm	nm	
	06/07/05	11:40 AM	147.73	42%	7.5	2.07	15	49	38	37.5	30	29	21.5	nm	nm	870	860	2	41	56.2	56.83	41.6	26.3	19.6	4.675	0.893	nm	nm	nm	
	06/08/05	4:45 PM	165.07	42%	7.5	2.02	15	48.6	44.4	44.7	40	38.5	31.4	nm	nm	859	850	2.5	42	56.03	57.22	41.6	25.4	19.12	4.683	0.892	nm	nm	nm	
	06/10/05	2:43 PM	190.19	42%	7.5	2.02	15	48.5	44.2	43.7	39.8	38.4	31	nm	nm	860	850	1.9	42	56.2	57.58	41.8	25.9	19.2	4.682	0.893	nm	nm	nm	
	06/11/05	5:15 PM	216.61	43%	6.0	1.92	15.5	53	44.8	43.9	39.5	37.5	28.5	nm	nm	809	801	0.25	34.2	44.8	45.3	33.5	26	14.6	5.094	0.845	nm	nm	nm	
	06/13/05	5:51 PM	229.77	42%	7.4	2.02	14.9	49	45.7	45	33.2	31.9	24.5	nm	nm	845	839	2.2	41	56.32	57.26	41.2	25.3	18.9	4.69	0.889	nm	nm	nm	
	06/14/05	4:02 PM	245.54	41%	7.4	2.00	16	48.9	42.9	42.1	37.2	35.8	28.2	nm	nm	840	830	1.8	41	56.25	58.22	41.2	25.5	18.7	4.702	0.892	nm	nm	nm	
	06/15/05	4:07 PM	267.98	41%	7.4	1.98	17.5	48.2	43.5	42.9	38.9	37.5	30.2	nm	nm	839	822	1.2	41	56.38	58.13	41.2	25.1	18.5	4.685	0.89	nm	nm	nm	
	06/16/05	5:53 PM	290.66	42%	7.4	1.98	16	49	41.5	40.8	36.5	35.2	28	nm	nm	841	835	1.7	41	56.3	57.22	41.2	25.1	18.5	4.67	0.883	nm	nm	nm	
	06/20/05	4:53 PM	323.45	42%	7.5	2.00	16	48.5	43.5	42.8	39	37.5	30.5	nm	nm	850	840	2.5	41	56.15	56.85	41.4	25.6	18.8	4.707	0.89	nm	nm	nm	
	06/21/05	3:25 PM	336.62	42%	7.5	2.02	15.5	48.2	44.5	43.8	40	38.5	31.5	nm	nm	855	840	2.2	4.5	55.65	57.26	41.3	25.7	18.9	4.716	0.896	nm	nm	nm	
	06/23/05	4:45 PM	338.91	42%	7.4	2.05	14	48.5	45.8	45	41.5	39.8	32.5	nm	nm	862	855	2.2	41	56.12	57.95	41.2	26.1	19.2	4.737	0.896	nm	nm	nm	anthracite changed
	06/24/05	3:06 PM	361.24	42%	7.4	2.08	14	48.2	43.2	42.5	29.5	28.2	21	nm	nm	878	861	1.8	42	56.45	57.71	41.1	26.7	19.4	4.727	0.895	nm	nm	nm	
	06/26/05	3:52 PM	363.73	41%	7.5	2.06	14	47.8	43.9	43.2	39.5	38	30.5	nm	nm	859	850	1.2	41.5	56.47	58.46	41.3	25.9	19.3	4.767	0.897	nm	nm	nm	
	06/27/05	11:19 AM	383.22	41%	7.4	2.07	15	48.2	40.2	39.5	27.5	26	18.8	nm	nm	865	859	1.5	41	56.01	58.29	41	26.4	19.3	4.706	0.897	nm	nm	nm	
	06/28/05	4:10 PM	408.28	42%	7.6	2.01	15	48.5	44.1	43.5	38.8	37.5	30.5	nm	nm	865	859	1.5	42	55.89	57.23	42	25.9	19.2	4.708	0.893	nm	nm	nm	
	06/29/05	11:15 AM	416	42%	7.5	2.07	14	49	44.2	43.5	39.9	38.4	31.2	nm	nm	865	860	2.2	41.8	56.06	57.48	41.3	26.6	19.4	4.731	0.901	nm	nm	nm	
	06/30/05	2:10 PM	429.87	42%	7.5	2.02	14.5	48.1	40.8	40	36	34.5	28.1	nm	nm	870	865	1.8	42	56.85	57.4	41.3	25.7	18.9	4.735	0.901	nm	nm	nm	
	07/05/05	3:56 PM	440.9	42%	7.5	2.03	15	48.5	38.5	37.8	32.5	31.2	23.9	nm	nm	850	840	1.6	41	55.72	57.52	41.3	26	19	4.705	0.889	nm	nm	nm	
	07/15/05	3:38 PM	442.31	42%	7.5	2.03	15	48.5	42.9	42.1	38.2	37	29.5	nm	nm	850	840	1.8	41	56.36	57.48	41.3	26	19	4.676	0.894	nm	nm	nm	
	07/27/05	3:32 PM	467.93	41%	7.4	1.90	20	40.6	33.9	33.3	26.3	26	18.2	nm	nm	790	780	1.8	40	56.21	59.64	41.1	23.6	17.7	4.958	0.904	nm	nm	nm	
	08/05/05	6:12 PM	489.2	41%	7.4	2.00	17	37.2	28.2	27.2	23.9	24.2	17	nm	nm	825	820	1.2	41	56.61	58.75	41	24.6	18.6	4.768	0.902	nm	nm	nm	
	08/08/05	3:44 PM	491.11	41%	7.4	1.98	17	34.2	29	28.2	25.2	25	17.2	nm	nm	822	815	1.7	41	56.24	59.43	41.1	24.9	18.5	4.615	0.903	nm	nm	nm	
	08/09/05	10:12 AM	509.55	41%	7.4	2.04	17	45.8	30.5	29.8	26.2	24.9	17	nm	nm	842	839	1.3	41	56.37	58.91	41.1	25.4	19	5.11	0.909	nm	nm	nm	
	08/10/05	2:31 PM	513.85	42%	7.4	1.99	18	40.3	30.3	29.5	23.8	24	16.5	nm	nm	830	820	2.3	41	56.29	58.06	41.2	25.2	18.6	4.838	0.9	nm	nm	nm	
	08/23/05	2:02 PM	519.25	41%	7.4	1.98	18	39	31	30.5	25.5	25.9	17.5	nm	nm	819	805	1.5	41	55.19	60.22	41.1	24.9	18.5	4.825	0.903	nm	nm	nm	
	10/05/05	2:51 PM	526.63	41%	7.4	2.06	16	36.5	29.5	28.2	22.9	23.5	15.8	nm	nm	860	850	0.7	41	55.65	58.61	41.1	25.91	19.2	4.637	0.904	nm	nm	nm	
	10/24/05	3:45 PM	551.93	42%	7.5	1.98	17	44.5	40.5	39.8	32.2	33	25.8	nm	nm	839	822	2	42	55.35	57.22	41.5	24.77	18.7	nm	0.902	1.2	17.5	4.1	
	11/21/2005	4:11PM	682.46	42%	7.5	1.99	17.9	56.5	53	52.3	47	45.5		38.2	830	855	840	1.2	42	55.83	57.25	41.7	25.3	18.8	nm	0.898	1.1	17	5.6	Standard condition check.
SW30HR FLUX AND RECOVERY DATA POINTS	10/25/05	3:19 PM	559.23	35%	6.0	1.82	17	44.5	40.4	39.5	31.8	32.5	24.2	nm	nm	725	718	0.5	34	59.9	61.34	33.4	19.7	13.8	nm	0.848	1.4	10.9	4	
	10/26/05	2:49 PM	566.1	42%	6.0	1.83	17.2	46.6	42.9	42.1	34.2	35.8	31.2	nm	nm	770	765	0.5	34	45.36	46.16	33.4	19.8	13.9	nm	0.851	0.7	12	3.9	
	10/27/05	2:19 PM	573.44	49%	6.0	1.99	17.5	48.1	39.9	39.5	31.6	33.1	30.3	nm	nm	860	857	0.5	34	33.57	34.13	33.4	21.6	15.1	nm	0.856	0.3	13.5	3.7	PX LP flow rate should have been 40 gpm to c
	11/14/05	3:24 PM	614.27	50%	6.0	1.89	17.5	59.9	57.6	57	53.4	52.9	nm	49	840	842	840	1.4	34	33.2	40.53	33.5	20.8	14.4	nm	0.85	0.3	13	5.2	Unbalanced PX flows to compensate for high n
	11/01/05	2:58 PM	580.04	37%	7.5	2.03	18.5	41	34	32.9	21.8	21.5	nm		758	790	778	1	42	69.92	70.85	41.7	25.6	19.2	nm	0.909	2.3	15.5	4.3	Specific power vs recovery seems to be too flat
	11/02/05	2:54 PM	586.92	42%	7.5	2.02	16.9	44.2	36.2	35.2	26.8	25.5	nm	18.2	818	839	825	1.6	42	56.24	57.58	41.7	25.3	19.1	nm	0.9	1.2	16	4.1	
	11/03/05	2:40 PM	592.82	50%	7.5	2.05	17	45.4	39	38.2	31.2	30.5	nm	25	882	899	890	1.7	42	41.22	48.58	41.5	25.8	19.3	nm	0.906	0.6	16	4	Unbalanced PX flows to compensate for high n
	11/08/05	2:50 PM	598.68	35%	9.0	2.29	17	47.1	37.4	35.5	23.5	21.5	nm	16.5	801	840	810	3.1	49	92.84	93.36	49.7	33.6	25.9	nm	0.929	4.4	20.4	6.4	
	11/09/05	2:44 PM	604.69	42%	9.0	2.15	17	52.1	41.5	40.2	31.5	29.5	nm	19.2	860	890	875	2.6	49.5	67.17	68.92	49.9	31.7	24.4	nm	0.922	2.1	21.1	5.9	
	11/10/05	2:23 PM	610.27	50%	9.0	2.20	17.2	56.2	45.2	44.2	34.6	35.2	nm	29.5	952	970	960	3.1	50.5	49.79	50.82	49.9	32.6	24.9	nm	0.92	0.8	22.9	5.6	
Post afterdate operation @ 9gfd and 50% recovery	11/15/2005	3:32PM	620.41	49%	9.0	2.18	19	55	49.7	48.8	43.2	42.1	nm	36	950	970	960	1.7	51	49.89	51.03	49.9	32.3	24.7	nm	0.92	0.9	22.7	5.6	
	11/16/2005	2:30PM	629.36	50%	9.0	2.21	18.5	54.8	46.9	45.9	39.9	39.3	nm	40.3	962	980	970	2	51	49.59	50.85	49.9	33.2	25	nm	0.924	0.9	23	5.7	
	11/17/2005	11:00AM	649.9	49%	9.0	2.26	16.9	56.2	44.1	43.1	36.2	35	nm	29.1	980	995	981	2.9	51	50.08	51.07	49.9	33.7	25.6	nm	0.922	0.9	23.3	5.6	
	11/18/2005	10:37AM	671.23	49%	9.0	2.26	17.5	55.8	50	49	41.2	40.1	nm	34.1	982	1000	990	2.2	51	50.03	51.24	49.9	33.7	25.6	nm	0.922	0.9	23.5	5.6	
	11/21/2005	4:11PM	682.46	42%	7.5	1.99	17.9	56.5	53	52.3	47	45.5	nm	38.2	830	855	840	1.2	42	55.83	57.25	41.7	25.3	18.8	nm	0.898	1.1	17	5.6	
	11/22/2005	3:45PM	706.04	49%	9.0	2.21	17.9	56.5	52.9	52	42.5	41.5	nm	35.5	970	990	980	2.5	50.5	49.63	51.28	49.9	32.6	25	nm	0.92	0.9	23	5.6	
	11/23/2005	10:45AM	725.04	49%	9.0	2.23	17	56.2	50.9	50	39.8	38.5	nm	32.5	980	1000	985	2.8	51	49.6	51.09	49.9	33.4	25.3	nm	0.92	0.9	23.4	5.7	
	11/24/2005	12:51PM	751.14	50%	9.0	2.25	17	56.1	48.5	47.5	37.5	36.2	nm	30.5	980	1000	985	2.5	51	49.43	50.64	49.9	32.4	25.5	nm	0.925	0.9	23.3	5.6	
	11/25/2005	12:12PM	774.49	50%	9.0	2.24	17.2	56	46.2	45.3	36.7	35.3	nm	29.7	980	1000	985	2.5	51	49.8	50.61	49.9	33.1	25.4	nm	0.923	0.8	23.4	5.6	

Summer Algae blooms and red tide delays.

TEST				pH			CONDUCTIVITY					TDS						TURBIDITY			SDI			BORON			OTHER						
	Date	Time	Operation Time	pH			Conductivity (mS/cm)					TDS (mg/L)						Turbidity (NTU)			Silt Density Index			Boron (mg/L)			V_{TANK}	Inhibitor Pump Speed	HP VFD Speed	PX VFD Speed	FEED VFD Speed	Notes
	MM/DD/YY	hh:mm	hh.hh	$pH_{F\text{-}sys}$	$pH_{P\text{-}sys}$	$pH_{C\text{-}sys}$	$C_{CF\text{-}out}$	$C_{F\text{-}PX\text{-}out}$	$C_{F\text{-}sys}$	$C_{P\text{-}sys}$	$C_{C\text{-}sys}$	$TDS_{CF\text{-}out}$	$TDS_{F\text{-}PX\text{-}out}$	PX % Inc	$TDS_{F\text{-}sys}$	$TDS_{P\text{-}sys}$	$TDS_{C\text{-}sys}$	$NTU_{MF\text{-}in}$	$NTU_{MF\text{-}out}$	$NTU_{CF\text{-}out}$	$SDI_{MF\text{-}in}$	$SDI_{MF\text{-}out}$	$SDI_{CF\text{-}out}$	$B_{CF\text{-}out}$	$B_{F\text{-}sys}$	$B_{P\text{-}sys}$	(gallons)	(gph)	(Hertz)	(Hertz)	(Hertz)	
SW30HR-380 Phase I Testing																																
SW30HR RIPENING PERIOD	05/24/05	8:00 AM	44.96	7.83	7.81	7.81	51.17	55.72	51.46	262.2	81.72	32.89	36.31	10.4%	33.12	124.8	nm	3.47	0.16	0.17	nm	nm	nm	5.183	5.183	0.617	15.75	0.15	41.3	35.7	nm	Dow analysis report date 6-27-05
	05/26/05	12:45 PM	61.05	7.76	8.78	7.44	50.48	53.76	50.86	238.2	79.95	32.76	35.02	6.9%	33.02	113.1	54.6	1.14	0.09	0.04	nm	nm	3.21	nm	nm	nm	13.5	0.112	41.25	36.18	nm	
	06/01/05	3:40 PM	87.76	8.03	8.97	7.63	50.35	54.83	51.24	250.4	82.14	32.36	35.59	10.0%	33.02	119.1	58.56	2.72	0.15	0.12	nm	nm	5.61	nm	nm	nm	11	0.053	42.71	36.01	nm	
	06/03/05	9:30 AM	118.81	7.88	8.72	7.53	50.44	54.72	51.16	199.1	82.01	32.44	35.5	9.4%	32.94	94.5	58.42	2.92	0.07	0.07	nm	nm	2.87	nm	nm	nm	5.8	0.078	42.74	36.01	nm	
	06/07/05	11:40 AM	147.73	7.64	9.04	7.29	50.36	54.94	51.56	201.6	82.65	32.47	35.67	9.9%	33.2	95.34	58.96	1.35	0.14	0.24	nm	nm	3	nm	nm	nm	25.7	0.017	42.74	35.98	nm	
	06/08/05	4:45 PM	165.07	7.42	8.34	7.45	51	55.14	51.49	224	82.44	32.82	35.88	9.3%	33.17	106.2	58.8	1.3	0.056	0.21	nm	nm	4.37	nm	nm	nm	24.8	0.025	42.71	36.36	nm	
	06/10/05	2:43 PM	190.67	7.38	7.82	7.05	49.95	54.1	50.6	218.1	80.87	32.07	34.99	9.1%	32.52	103.7	57.41	1.04	0.06	0.16	nm	nm	4.5	nm	nm	nm	24.1	0.02	42.74	36.45	nm	
	06/11/05	5:15 PM	216.76	7.22	7.85	7.02	50.08	54.6	50.6	262.5	81.65	32.37	32.31	-0.2%	32.47	124.8	58.08	1.42	0.073	0.16	nm	nm	nm	nm	nm	nm	23.9	0.017	34.45	29.38	nm	
	06/14/05	4:22 PM	245.92	7.83	6.57	7.73	49.51	53.36	50.01	239.6	79.3	31.83	34.45	8.2%	32.12	113.8	55.96	1.15	0.082	0.15	nm	nm	4.5	nm	nm	nm	22.2	0.103	35.83	nm	nm	
	06/15/05	4:17 PM	268.15	7.82	6.86	7.63	48.84	52.92	49.79	247.5	78.8	31.32	34.06	8.7%	31.89	163.4	55.33	1.04	0.09	0.095	nm	nm	5.2	nm	nm	nm	nm	0.103	nm	nm	nm	
	06/16/05	6:00 PM	290.76	7.63	6.04	7.55	48.85	53.19	49.68	233.5	79.04	31.33	34.37	9.7%	31.92	110.8	55.6	1.18	0.077	0.075	nm	nm	4.6	nm	nm	nm	17.5	0.134	42.3	36.27	nm	
	06/20/05	5:01 PM	323.58	7.75	6.52	7.6	49.05	53.35	49.89	230.8	78.85	31.5	34.4	9.2%	31.99	109.4	55.57	1.23	0.078	0.074	nm	nm	4.5	nm	nm	nm	13.9	0.0525	42.3	36.45	nm	
	06/23/05	4:45 PM	338.91	7.66	5.66	7.46	49.52	53.44	50.06	221.6	78.72	nm	nm	nm	32.06	105.3	55.45	1.73	0.072	0.07	nm	nm	5	nm	nm	nm	13	0.021	42.3	37.16	nm	
	06/24/05	3:06 PM	361.24	7.49	6.4	7.5	49.37	53.09	49.65	201.1	78.97	31.52	34.15	8.3%	31.89	95.4	55.43	1.62	0.064	0.064	nm	nm	4.1	nm	nm	nm	12.5	0.021	42.3	36.47	nm	
	06/27/05	11:19 AM	383.22	7.68	6.54	7.56	49.24	53.12	49.71	203.3	78.42	31.62	34.23	8.3%	31.93	96.1	55.19	1.07	0.075	0.083	nm	nm	5.1	nm	nm	nm	12.1	0.021	nm	nm	nm	
	06/28/05	4:10 PM	408.28	7.67	6.47	7.53	49.08	53.32	49.86	212.5	78.9	31.53	34.33	8.9%	31.95	100.7	55.56	1.02	0.082	0.087	nm	nm	5.2	nm	nm	nm	11.8	0.034	42.3	36.83	nm	
	06/29/05	11:15 AM	416	7.72	6.51	7.54	49.59	53.12	49.83	222.5	79.19	31.83	34.32	7.8%	32	105.6	55.89	nm	0.078	0.077	nm	nm	5	nm	nm	nm	11.5	0.034	42.3	36.56	nm	
	06/30/05	2:10 PM	429.87	7.56	6.63	7.58	48.56	53.1	49.58	212.3	78.49	31.13	34.23	10.0%	31.82	100.8	55.21	1.637	0.058	0.059	nm	nm	3.9	nm	nm	nm	10.5	0.064	42.3	37.1	nm	
	07/27/05	3:32 PM	467.93	8.15	7.18	7.95	49.05	52.19	49.49	346.1	77.23	31.45	33.65	7.0%	31.77	166.5	54.1	2.409	nm	0.091	nm	nm	4.8	nm	nm	nm	5.2	0.04	42.3	36.68	nm	
	08/08/05	3:44 PM	491.11	7.88	6.68	7.75	48.67	51.87	49.35	278.9	77.49	31.26	33.42	6.9%	31.63	133.3	54.28	1.432	nm	0.125	nm	nm	5.5	nm	nm	nm	10.2	0.09	42.3	35.95	nm	
	08/09/05	10:12 AM	509.55	7.81	6.65	7.68	48.47	52.38	49.45	258.1	78.14	31.19	33.63	7.8%	31.69	108.1	54.31	2.018	nm	0.1	nm	nm	3.7	nm	nm	nm	6.2	0.09	42.4	36.74	nm	
	08/10/05	2:31 PM	513.85	8.05	7.6	7.89	48.47	52.38	49.45	258.1	78.14	31.14	33.75	8.4%	31.68	123	54.78	5.306	nm	0.227	nm	nm	4.5	nm	nm	nm	10.1	0.09	42.4	35.95	nm	
	08/23/05	2:02 PM	519.23	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	1.65	nm	0.1	nm	nm	3.6	nm	nm	nm	nm	nm	nm	nm	nm	
	10/05/05	2:51 PM	526.63	7.77	6.32	7.57	48.92	52.47	49.61	212.5	77.75	31.41	33.78	7.5%	31.73	101.1	54.37	1.201	nm	0.081	nm	nm	3.8	nm	nm	nm	22	0.08	42.1	36.8	nm	
	10/24/05	3:45 PM	551.93	7.71	6.21	7.57	49.26	52.95	49.58	255.9	78.32	31.62	34.22	8.2%	31.83	121.7	55.1	1.513	nm	0.088	nm	nm	3.9	nm	nm	nm	20.1	0.075	42.7	37	57.6	
	11/21/2005	4:11PM	682.46	8.15			49.41	53.35	49.96	246.3	79.51	31.62	34.4	8.8%	32.03	117.1	55.96	1.215	nm	0.069	nm	nm	4.4	nm	nm	nm	14.1	0x0	42.9	36.6	64.8	Standard conditions check.
SW30HR FLUX AND RECOVERY DATA POINTS	10/25/05	3:19 PM	559.23	7.7	7.38	7.6	49.21	52.1	49.6	289.6	71.82	31.56	33.54	6.3%	31.77	138.4	49.42	1.454	m	0.11	nm	nm	4	4.603	4.718	0.698	20	0.05	34.19	38.4	57.6	Dow analysis sample data 10-25-05
	10/26/05	2:49 PM	566.1	7.67	7.39	7.5	48.72	52.4	49.26	321.4	78.31	31.26	33.71	7.8%	31.56	154	54.93	1.294	nm	0.109	nm	nm	4.2	4.603	4.653	0.766	19.9	0.05	34.1	29.1	57.6	
	10/27/05	2:19 PM	573.44	7.87	7.35	7.66	49.65	55.33	50.02	367.5	89.52	31.87	36.01	13.0%	32.14	176.5	65.2	2.254	nm	0.125	nm	nm	4	4.463	4.663	0.799	19.8	0.15	34.5	22.7	57.6	High PX outlet salinity. Need to unbalance flow t
	11/14/05	3:24 PM	614.67	8.07	6.97	7.88	49.5	52.9	49.79	371.1	87.58	31.79	34.15	7.4%	31.97	178.5	63.45	2.859	nm	0.073			5.3	nm	nm	nm	16.3	0.024	34.25	22.3	64.8	
	11/01/05	2:58 PM	580.04	8.08	6.75	7.95	49.21	55.26	49.55	241.8	72.64	31.59	33.67	6.6%	31.78	115	50.1	1.409	0.128	0.083	nm	nm	4.7	nm	5.007	0.596	19.3	0.1	42.8	45.8	57.6	
	11/02/05	2:54 PM	586.92	7.98	6.33	7.85	49.28	53.08	49.75	242.5	79.16	31.65	34.27	8.3%	31.93	115.7	55.82	1.398	0.105	0.084	nm	nm	5.1	4.817	4.867	0.613	19.1	0.15	42.9	36.4	57.6	
	11/03/05	2:40 PM	592.82	8.03	6.58	7.84	48.63	52.1	49.55	270.8	86.87	31.22	33.55	7.5%	31.71	129.4	62.65	1.457	nm	0.074	nm	nm	4.8	nm	4.962	0.648	19	0.15	42.9	28	57.6	
	11/08/05	2:50 PM	598.68	8.17	6.35	8.05	49.5	53.09	49.88	187.2	70.64	31.78	34.28	7.9%	32.02	89.16	48.51	1.665	nm	0.087	nm	nm	5	4.839	4.874	0.454	18	50x80	52.1	57.2	64.8	
	11/09/05	2:44 PM	604.69	8.15	6.43	8.01	48.95	52.62	49.36	208.1	78.05	31.4	33.96	8.2%	31.67	99.3	54.83	2.68	nm	0.079	nm	nm	4.5	4.839	4.704	0.504	17.3	50x80	51.6	44.1	64.8	
	11/10/05	2:23 PM	610.27	8.14	6.87	7.97	49.23	53.54	49.55	242.5	88.98	31.6	34.6	9.5%	31.81	115.3	64.72	2.428	nm	0.099	nm	nm	5.2	4.804	4.874	0.567	16.8	50x80	51.6	31.8	64.8	
Most affordable operation @ 9gfd and 50% recovery	11/15/2005	3:32PM	620.41	8.02	6.44	7.84	48.72	54.35	49.56	250.5	88.24	31.29	35.15	12.3%	31.73	119.3	63.86	2.45	nm	0.079	nm	nm	4.7	nm	nm	nm	16	20x80	51.5	33	64.8	
	11/16/2005	2:30PM	629.36	8.04	6.41	7.85	49.4	54.29	49.75	239.5	88.28	31.6	35.07	11.0%	31.83	113.9	63.91	1.531	nm	0.07	nm	nm	4.2	nm	nm	nm	15.9	20x80	51.6	33	64.8	
	11/17/2005	11:00AM	649.9	8.07	6.37	7.87	49.05	54.2	49.94	220.4	89.25	31.51	35.06	11.3%	32.05	104.8	64.93	1.532	nm	0.075	nm	nm	3.7	nm	nm	nm	15.3	20x80	51.6	32.7	64.8	
	11/18/2005	10:37AM	671.23	8.03	6.56	7.79	49.2	54.19	49.76	217.1	88.2	31.49	34.93	10.9%	31.91	103.2	64.01	1.093	nm	0.066	nm	nm	3.6	nm	nm	nm	14.5	20x50	51.6	32.9	64.8	
	11/21/2005	4:11PM	682.46	8.15	nm	nm	49.41	53.35	49.96	246.3	79.51	31.62	34.4	8.8%	32.03	117.1	55.96	1.215	nm	0.069	nm	nm	4.4	nm	nm	nm	14.1	0x0	42.9	36.6	64.8	
	11/22/2005	3:45PM	706.04	nm	nm	nm	49.99	55.05	50.27	226.8	89.42	32.12	35.77	11.4%	32.3	108	65.11	1.089	nm	0.085	nm	nm	4.3	nm	nm	nm	14.1	10x50	51.3	33.2	64.8	
	11/23/2005	10:45AM	725.04	nm	nm	nm	49.56	54.45	50.1	218.6	89.25	31.83	35.28	10.8%	32.18	104.1	64.97	1.185	nm	0.066	nm	nm	3.9	nm	nm	nm	14	10x50	51.4	32.8	64.8	
	11/24/2005	12:51PM	751.14	nm	nm	nm	49.6	54.34	50.07	214.8	89.37	31.82	35.19	10.6%	32.17	102.2	65.06	nm	nm	0.068	nm	nm	nm	nm	nm	nm	13.8	10x50	51.3	32.6	64.8	
	11/25/2005	12:12PM	774.49	nm	nm	nm	49.33	54.24	49.89	211.3	89.04	31.66	35.08	10.8%	32.02	100.4	64.75	nm	nm	0.059	nm	nm	nm	nm	nm	nm	13.4	10x50	51.3	32.8	64.8	

Summer Algae blooms and red tide delays.


ADC Set 1 SW30HR-380 Performance vs Recovery
Permeate Quality (TDS)
Permeate Boron (mg/l - RO Energy (kWh/m3)
RO Recovery %
250
200
150
100
50
0
2.50
2.00
1.50
1.00
0.50
0.00
30%
35%
40%
45%
50%
55%
RO Energy
Permeate Quality
Boron
6 gfd TDS
7.5 gfd TDS
9 gfd TDS
6 gfd RO energy
7.5 gfd RO energy
9 gfd RO energy
6 gfd Boron
7.5 gfd Boron
9 gfd Boron