179162

Sludge Pumping
Data & H_2S Reports
1983 - 1984 (June)

055695

KS01600005

055696

PUMPS – P-1 P-2 Primary S-1 S-2 Secondary Clarifier D-1 D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	SW RW H_2S CONTENT	OPERATOR	% CONSISTE
6-17-83	3:25	4:25	P-1		1:00		Weaver 3-11	
6-17-83	5:00	5:30	P-1		:30		Weaver 3-11	
6-17-83	5:40	10:30	D-1		4:50	8:40 0.3 0.0	Weaver 3-11	
6-17-83	10:30	11:00	D-1		:30		Baker 11-7	
6-17-83	12:20	1:40	P-1		1:20		Baker 11-7	
6-17-83	4:00	5:00	P-1		1:00		Baker 11-7	
6-18-83	7:00	12:00	D-1		5:00	9:30 0.7 0.0	Weaver 7-3	
6-18-83	7:05	9:05	S-1		2:00		Weaver 7-3	
6-18-83	7:10	8:00	P-1		:50		Weaver 7-3	
6-18-83	10:25	11:25	P-1		1:00		Weaver 7-3	
6-18-83	7:20	8:45	P-1		1:25		Baker 3-11	
6-19-83	6:45	7:45	P-1		1:00		Weaver 7-3	
6-19-83	7:00	11:20	D-1		4:20	9:25 0.3 0.1	Weaver 7-3	
6-19-83	7:15	9:15	S-1		2:00		Weaver 7-3	
6-19-83	9:40	10:20	P-1		:40		Weaver 7-3	
6-19-83	7:35	9:00	P-1		1:25		Baker 3-11	
6-20-83	6:50	8:30	P-1		1:40		Weaver 7-3	
6-20-83	6:50	10:50	S-1		4:00		Weaver 7-3	
6-20-83	7:00	2:00	D-1		7:00	9:40 0.7 0.1	Weaver 7-3	
6-20-83	10:40	12:40	P-1		2:00		Weaver 7-3	
6-20-83	11:00			Changed Chlorine cylinder			Weaver 7-3	
6-20-83	7:30	9:10	P-1		1:40		Baker 3-11	
6-20-83	12:00		D-1			3:00 0.7 0.7	Patterson 11-7	
6-20-83	2:00	3:30	P-1		1:30		Patterson 11-7	
6-21-83	8:30		Changed Barrell DF .796				Weaver 7-3	
6-21-83	12:55	2:15	P-1		1:20		Weaver 7-3	
6-21-83		Change 4330 Barrell					Weaver 23	

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT (SW RW)	OPERATOR	% CONSISTE
6-14-83	7:15	8:30	D-1		1:15		Patterson 7-3	
6-14-83	7:15	8:30	S-1		1:15		Patterson 7-3	
6-14-83	8:45	9:30	P-1		:45		Patterson 7-3	
6-14-83	9:20	11:20	D-1		2:00	9:30 1.0 0.0	Patterson 7-3	
6-14-83	9:45	11:00	S-1		1:15		Patterson 7-3	
6-14-83	9:45	11:00	P-1		1:15		Patterson 7-3	
6-14-83	3:55	4:55	P-1		1:00		Weaver 3-11	
6-14-83	12:20	3:35	P-1		3:15		Baker 11-7	
6-14-83	12:30	4:45	D-1		4:15	1:45 0.0 0.0	Baker 11-7	
6-15-83	10:30		S-1				Patterson 7-3	
6-15-83	6:15	8:00	P-1		1:45		Weaver 3-11	
6-15-83	8:45	9:40	P-1		:55		Weaver 3-11	
6-15-83	8:05		Changed Rewill DP-796				Weaver 3-11	
6-15-83	12:30	6:05	D-1		5:35	1:45 0.0 5.0	Baker 11-7	
6-15-83	1:00	3:50	P-1		2:50		Baker 11-7	
6-16-83	6:40	12:00	D-1			10:00 0.3 0.0	Patterson 7-3	
6-16-83	6:40	11:40	S-1				Patterson 7-3	
6-16-83	7:35	9:00	P-1		1:25		Patterson 7-3	
6-16-83	10:10	11:40	P-1				Patterson 7-3	
6-16-83	4:50	5:40	P-1		:50		Weaver 3-11	
6-16-83	9:05	10:10	P-1		1:05		Weaver 3-11	
6-16-83	12:35	5:10	D-1		4:35	2:15 0.1 0.0	Baker 11-7	
6-16-83	1:25	2:30	P-1		1:05		Baker 11-7	
6-16-83	3:20	4:00	P-1		:40		Baker 11-7	
6-17-83	7:15	7:50	P-1		:35		Patterson 7-3	
6-17-83	9:15	10:15	P-1		1:00		Patterson 7-3	
6-17-83	12:00	1:50	P-1		1:50		Patterson 7-3	

C55698

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

SW RW

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTENC
6-9-83	12:25	2:00	P-1		1:35		Baker 7-3	
6-9-83	11:20	12:20	P-1		1:00		Weaver 11-7	
6-9-83	12:00	4:35	D-1		4:35	2:30 0.7 0.1	Weaver 11-7	
6-9-83	2:15	3:30	P-1		1:15		Weaver 11-7	
6-9-83	11:45		Changed Chlorine cylinder				Weaver 11-7	
6-9-83	4:00		Changed Bennell DP-796				Weaver 11-7	
6-10-83	3:30	5:00	P-1		1:30		Lafferty 3-11	
6-10-83	8:15	8:50	P-1		:35		Lafferty 3-11	
6-10-83	11:30	5:00	D-1		5:30	2:15 0.3 0.1	Weaver 11-7	
6-10-83	12:30	2:00	P-1		1:30		Weaver 11-7	
6-10-83	3:15	4:00	P-1		:45		Weaver 11-7	
6-11-83	10:00	10:30	P-1		:30		Lafferty 7-3	
6-11-83	10:00	12:00	S-1		2:00		Lafferty 7-3	
6-11-83	8:20	9:50	P-1		1:30		Weaver 3-11	
6-12-83	6:30	12:30	D-1		6:00	11:30 1.0 1.0	Lafferty 7-3	
6-12-83	6:30	12:15	S-1		5:45		Lafferty 7-3	
6-12-83	10:10	11:50	P-1		1:40		Lafferty 7-3	
6-12-83	8:45	10:10	P-1		1:25		Weaver 3-11	
6-13-83	6:30	11:45	D-1		5:15	8:45 0.7 1.0	Lafferty 7-3	
6-13-83	6:30	11:30	S-1		5:00		Lafferty 7-3	
6-13-83	7:50	9:50	P-1		2:00		Lafferty 7-3	
6-13-83	10:45	11:30	P-1		:45		Lafferty 7-3	
6-13-83	8:00	9:50	P-1		1:50		Weaver 3-11	
6-12-83	12:20	5:30	D-1		5:10	1:40 0.3 0.0	Baker 11-7	
6-12-83	1:10	4:10	P-1		3:00		Baker 11-7	
6-12-83	5:30	6:10	P-1		:40		Baker 11-7	

055699

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

SW RW

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTENC
6-5-83	7:30	1:40	D-1		6:10	10:00 0.1 0.0	Baker 7-3	
6-5-83	9:00	11:30	P-1		2:30		Baker 7-3	
6-5-85	5:05	6:05	P-1		1:00		Lattimer 3-11	
6-5-85	9:30	10:15	P-1		:45		Lattimer 3-11	
6-6-83	7:35	12:45	D-1		5:10	10:20 0.3 0.0	Baker 7-3	
6-6-83	8:10	10:00	P-1		1:50		Baker 7-3	
6-6-83	11:35	12:05	P-1		:30		Baker 7-3	
6-6-83	7:15	8:10	P-1		:55		Lattimer 3-11	
6-6-83	12:15	1:20	P-1		1:05		Weaver 11-7	
6-6-83	12:45	4:20	D-1		3:35	2:15 0.5 0.0	Weaver 11-7	
6-6-83	3:00	3:30	P-1		:30		Weaver 11-7	
6-6-83		Change 4330 Barrell.					Weaver 11-7	
6-7-83		Change No. Frame Barrell					Baker 7-3	
		Set up Bedbell for trial.						
6-7-83	9:15	11:20	P-1		2:05		Baker 7-3	
6-7-83	4:25	5:15	P-1		:50		Lattimer 3-11	
6-7-83	8:30		P-1				Lattimer 3-11	
6-7-83	11:30	4:15	D-1		4:45	2:15 0.1 0.0	Weaver 11-7	
6-7-83	3:00	5:35	P-1		2:35		Weaver 11-7	
6-8-83	7:30	12:10	D-1		4:40	11:00 0.3 0.0	Baker 7-3	
6-8-83	8:15	9:15	P-1		1:00		Baker 7-3	
6-8-83	8:15	9:15	S-1		1:00		Baker 7-3	
6-8-83	5:20	6:00	P-1		:40		Lattimer 3-11	
6-8-83	8:50	9:40	P-1		:50		Lattimer 3-11	
6-8-83	11:45	2:00	P-1		2:15		Weaver 11-7	
6-8-83	12:30	5:55	D-1		5:25	2:00 0.5 0.0	Weaver 11-7	
6-8-83	3:45	5:00	P-1		1:15		Weaver 11-7	

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	SW RW H_2S CONTENT	OPERATOR	% CONSISTE
5-28-83	8:10	9:10	P-1		1:00		Baker 3-11	
5-29-83	6:45	8:40	D-1		1:55	8:00 0.5 0.0	Weaver 7-3	
5-29-83	7:10	7:45	P-1		:35		Weaver 7-3	
5-29-83	7:30	8:45	P-1		1:15		Baker 3-11	
5-30-83	8:50	10:25	P-1		1:35		Baker 7-11	
5-31-83	6:55	10:45	D-1		3:50	9:00 0.2 0.0	Weaver 7-3	
5-31-83	9:10	9:50	S-1		:40		Weaver 7-3	
5-31-83	7:00	9:30	P-1		2:30		Baker 3-11	
5-31-83	12:00	5:00	D-1		5:00	1:30 0.0 0.0	Patterson 11-7	
5-31-83	2:10	4:10	P-1		2:00		Patterson 11-7	
6-1-83	7:00	9:30	P-1		2:30		Baker 3-11	
6-1-83	12:00	5:00	D-1		5:00	2:00 0.0 0.0	Patterson 11-7	
6-1-83	12:30	2:00	P-1		1:30		Patterson 11-7	
6-2-83	7:20	9:20	P-1		2:00		Baker 3-11	
6-2-83	7:20	9:20	S-1		2:00		Baker 3-11	
6-2-83	11:00	4:00	D-1		5:00	2:00 0.1 0.0	Patterson 11-7	
6-2-83	12:00	2:00	P-1		2:00		Patterson 11-7	
6-3-83	8:30	10:00	S-1		1:30		Weaver 7-3	
6-3-83	12:50	1:50	P-1		1:00		Weaver 7-3	
6-3-83	7:00	8:00	P-1		1:00		Baker 3-11	
6-3-83	11:30	5:00	D-1		5:30	2:00 0.5, 0.3	Patterson 11-7	
6-3-83	10:00	10:40	P-1		:40		Patterson 11-7	
6-3-83	4:00	5:00	P-1		1:00		Patterson 11-7	
6-4-83		Change	DP-796		Brull		Baker 7-3	
6-4-83	11:10	12:40	P-1		1:30		Baker 7-3	
6-4-83	5:40	6:20	P-1		:40		Patterson 3-11	
6-4-83	7:55	8:55	P-1		1:00		Patterson 3-11	

055700

055701

PUMPS – P-1 P-2 Primary S-1 S-2 Secondary Clarifier D-1 D-2 Dewatering Plant

SLUDGE PUMPING

S.W R.W.

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTENC
5-7-83	2:30	5:45	D-1		3:15	3:25 0.3 0.0	Baker 3-11	
5-7-83	3:30	4:15	P-1		:45		Baker 3-11	
5-7-83	9:20	10:25	P-1		1:05		Baker 3-4	
5-8-83	7:00	8:00	P-2		1:00		Weaver 7-3	
5-8-83	7:15	12:30	D-1		5:15	9:30 0.3 0.0	Weaver 7-3	
5-8-83	9:25	9:55	P-2		:30		Weaver 7-3	
5-8-83	8:30	9:10	P-2		:40		Baker 3-11	
5-9-83	6:55	7:55	P-2		1:00		Weaver 7-3	
5-9-83	7:15	11:35	D-1		4:20	8:30 0.5 0.0	Weaver 7-3	
5-9-83	10:00	10:35	P-2		:35		Weaver 7-3	
5-9-83	9:00	9:40	P-2		:40		Baker 3-11	
5-9-83	12:00	4:00	D-1		4:00	1:00 0.2 0.1	Lathrop 11-7	
5-9-83	1:00	2:30	P-2		1:30		Lathrop 11-7	
5-10-83	6:00	7:30	P-2		1:30		Baker 3-11	
5-10-83	11:30	4:15	D-1		3:45	1:00 1.0 0.5	Lathrop 11-7	
5-10-83	1:40	3:30	P-2		1:50		Lathrop 11-7	
5-11-83	8:30	9:00	P-2		:30		Baker 3-11	
5-11-83	9:10	10:30	P-1		1:20		Baker 3-11	
5-11-83	11:30	2:00	D-1		2:30	12:40 0.5 0.1	Lathrop 11-7	
5-11-83	1:15	2:00	P-1		:45		Lathrop 11-7	
5-12-83	6:00	8:15	P-1		2:15		Baker 3-11	
5-12-83	11:30	5:00	D1		5:30	1:30 0.5 0.1	Lathrop 11-7	
5-12-83	12:00	1:30	P1		1:30		Lathrop 11-7	
5-13-83	7:00	8:15	P-1		1:15		Baker 3-11	
5-13-83	11:10	3:10	D-1		4:00	12:05 1.0 0.0	Lathrop 11-7	
5-13-83	12:00	2:45	P-1		2:45		Lathrop 11-7	

055702

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

S.W. R.W

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTEN
5-2-83	12:00	5:10	D-1		5:10	1:30 0.0 0.0	Baker 11-7	
5-2-83	1:35	2:10	P-2		:35		Baker 11-7	
5-2-83	3:15	3:40	P-2		:25		Baker 11-7	
5-3-83	1:20	2:00	P-1				Lattimer 7-3	
5-3-83	7:20	9:00	P-1		1:40		Weaver 3-11	
5-3-83	12:00	5:05	D-1		5:05	1:15 0.1 0.0	Baker 11-7	
5-3-83	1:40	2:50	P-1		1:10		Baker 11-7	
5-3-83	3:50	4:15	P-1		:25		Baker 11-7	
5-4-83	12:20	2:30	P-1		2:10		Lattimer 7-3	
5-4-83	3:40	6:00	P-1		2:20		Weaver 3-11	
5-4-83	9:15	9:45	P-1		:30		Weaver 3-11	
5-4-83	12:00	6:30	D-1		6:30	1:20 0.0 0.0	Baker 11-7	
5-4-83	2:40	6:05	P-1		3:25		Baker 11-7	
5-5-83	6:30		D-1			9:45 0.0 0.0	Lattimer 7-3	
5-5-83	9:00	10:30	P-1		1:30		Lattimer 7-3	
5-5-83	3:50	4:35	P-1		:45		Weaver 3-11	
5-5-83	7:40	9:10	P-1		1:30		Weaver 3-11	
5-5-83	12:00	5:30	D-1		5:30	1:30 0.0 0.0	Baker 11-7	
5-5-83	2:20	4:00	P-1		1:40		Baker 11-7	
5-6-83	6:45	9:15	D-1		2:30	0.1 0.0 8:10	Lattimer 7-3	
5-6-83	6:55	8:10	P-1		1:15		Lattimer 7-3	
5-6-83	9:15	10:20	P-1		1:15		Weaver 3-11	
5-6-83	12:10	6:30	P-1		6:20		Baker 11-7	
5-6-83	12:20	4:45	D-1		4:25	0.1 0.0 9:00	Baker 11-7	
5-7-83	7:00	2:30	D-1		7:30	0.1 0.0	Weaver 7-3	
5-7-83	6:30	12:20	P-1		5:50		Weaver 7-3	

055703

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

SW PW

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTE
4-28-83	3:25	4:10	P-2		:45		Lattimer 3-11	
4-28-83	7:35	8:35	P-2		1:00		Lattimer 3-11	
4-28-83	11:45	6:30	D-1		6:45	5:45 1.0 0.0	Weaver 11-7	
4-28-83	12:00	12:30	P-2		:30		Weaver 11-7	
4-28-83	3:15	3:45	P-2		:30		Weaver 11-7	
4-28-83	5:00	5:30	P-2		:30		Weaver 11-7	
4-29-83	6:30	2:30	D-1		8:00	9:30 0.3 0.1	Baker 7-3	
4-29-83	7:30	8:35	P-2		1:05		Baker 7-3	
4-29-83	12:00	1:00	P-2		1:00		Baker 7-3	
4-29-83	2:30	10:30	D-1		8:00	4:30 0.1 0.1	Lattimer 3-11	
4-29-83	8:15	9:25	P-2		1:10		Lattimer 3-11	
4-29-83	7:40	9:10	P-2		1:30		Lattimer 3-11	
4-29-83	10:30	12:45	D-1		2:15	12:00 0.3 0.0	Weaver 11-7	
4-29-83	12:00	12:35	P-2		:35		Weaver 11-7	
4-29-83	3:40	4:10	P-2		:30		Weaver 11-7	
4-30-83	8:45		D-1			11:00 0.3 0.0	Lattimer 7-3	
4-30-83	9:30	10:35	P-2		1:05		Lattimer 7-3	
4-30-83	2:40	3:20	P-2		:40		Weaver 3-11	
4-30-83	2:30	5:40	D-1		3:10	3:00 0.5 0.0	Weaver 3-11	
4-30-83	9:10	9:45	P-2		:35		Weaver 3-11	
5-1-83	6:45	10:45	D-1		4:00	1.0 0.0 9:00	Lattimer 7-3	
5-1-83	7:45	10:05	P-2		2:20		Lattimer 7-3	
5-1-83	8:00	10:00	P-2		2:00		Weaver 3-11	
5-2-83	6:40	12:50	D-1		6:10	10:30 [illegible]	Lattimer 7-3	
5-2-83	10:25	11:55	P-2		1:30	[illegible]	Lattimer 7-3	
5-2-83	7:00	8:35	P-2		1:35		Weaver 3-11	

055707

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

SW RW

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTEN
5-22-83	7:55	12:45	D-1		4:50	9:25 0.1 0.0	Baker 7-3	
5-22-83	9:00	11:15	P-1		2:15		Baker 7-3	
5-22-83	9:10	10:10	P-1		1:00		Weaver 3-11	
5-23-83	6:20	7:20	P-1		1:00		Weaver 7-3	
5-23-83	6:45	8:55	D-1		2:10	8:20 0.1 0.0	Weaver 7-3	
5-23-83	6:45	9:30	P-1		3:15		Baker 3-11	
5-23-83	Change Chlorine Cylinder						Baker 3-11	
5-24-83	6:45	12:15	D-1		5:30	9:10 0.3 0.1	Weaver 7-3	
5-24-83	6:50	8:40	P-1		1:50		Weaver 7-3	
5-24-83	10:30	11:15	P-1		1:00		Weaver 7-3	
5-24-83	7:00	8:25	P-1		1:25		Baker 3-11	
5-24-83	Change DP-796 Barrell						Baker 3-11	
5-25-83	6:40	7:45	P-1		1:05		Weaver 7-3	
5-25-83	6:45	9:00	D-1		2:15	8:15 0.7 0.1	Weaver 7-3	
5-25-83	7:00	8:20	P-1		1:20		Baker 3-11	
5-26-83	6:20	7:20	P-1		1:00		Weaver 7-3	
5-26-83	6:30	9:45	D-1		3:15	9:30 0.5 0.0	Weaver 7-3	
5-26-83	6:45	8:35	S-1		1:50		Weaver 7-3	
5-26-83	8:20	8:40	P-1		:20		Weaver 7-3	
5-26-83	7:30	9:00	P-1		1:30		Baker 3-11	
5-27-83	6:45	10:15	D-1		3:30	9:00 0.3 0.0	Weaver 7-3	
5-27-83	6:55	8:45	P-1		1:50		Weaver 7-3	
5-27-83	7:30	8:50	S-1		1:20		Weaver 7-3	
5-27-83	7:30	9:15	P-1		1:45		Baker 3-11	
5-28-83	6:50	7:30	P-1		:40		Weaver 7-3	
5-28-83	7:00	11:10	D-1		4:10	9:15 0.7 0.0	Weaver 7-3	
5-28-83	9:00	10:20	P-1		1:20		Weaver 7-3	

055705

PUMPS – P-1 P-2 Primary S-1 S-2 Secondary Clarifier D-1 D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	SW RW H_2S CONTENT	OPERATOR	% CONSISTEI
5-14-83	9:00	10:25	P-1		1:25		Weaver 3-11	
5-15-83	7:35	11:20	D-1		3:45	9:50 0.5 0.0	Baker 7-3	
5-15-83	8:15	10:20	P-1		2:05	~~8:50 0.5 0.0~~	Baker 7-3	
5-15-83	8:40	10:30	P-1		1:50		Weaver 3-11	
5-16-83	7:45	1:15	D-1		5:30	9:00 2.0 0.7	Baker 7-3	
5-16-83	8:30	10:45	P-1		2:15		Baker 7-3	
5-16-83	4:00	6:40	P-1		2:40		Weaver 3-11	
5-17-83	7:00	1:20	D-1		6:20	9:15 0.0 0.0	Baker 7-3	
5-17-83	7:50	11:20	P-1		3:30		Baker 7-3	
5-17-83	7:30	8:25	P-1		:55		Weaver 3-11	
5-18-83	6:45	10:45	P-1		4:00		Baker 7-3	
5-18-83	7:25	12:20	D-1		4:55	9:30 1.0 0.0	Baker 7-3	
5-18-83	10:00	11:45	S-1		1:45		Baker 7-3	
5-18-83	9:10	10:20	P-1		1:10		Weaver 3-11	
5-19-83	7:25	8:50	P-1		1:25		Baker 7-3	
5-19-83	7:30	8:50	S-1		1:20		Baker 7-3	
5-19-83	7:40	10:50	D-1		3:10	9:00 0.0 0.0	Baker 7-3	
5-19-83	4:00	5:00	P-1		1:00		Weaver 3-11	
5-19-83	8:40	10:20	P-1		1:40		Weaver 3-11	
5-20-83	7:35	1:10	D-1		5:35	9:45 0.1 0.0	Baker 7-3	
5-20-83	9:10	11:00	P-1		1:50		Baker 7-3	
5-20-83	5:40	8:45	P-1		3:05		Weaver 3-11	
5-21-83	7:20	12:10	D-1		4:50	9:25 0.3 0.0	Baker 7-3	
5-21-83	9:00	10:25	P-1		1:25		Baker 7-3	
5-21-83	4:25	5:45	P-1		1:20		Weaver 3-11	
5-21-83	9:25	9:45	P-1		:20		Weaver 3-11	

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

SW RW

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTENC
4-22-83	11:30	4:30	D-1		5:00	12:45 0.3 0.0	Lattimer 11-7	
4-22-83	1:35	4:00	P-2		2:25		Lattimer 11-7	
4-23-83	12:20	2:00	P-2		1:40		Baker 7-3	
4-23-83	7:30	8:15	P-1		:45		Lattimer 3-11	
4-23-83	7:30	change gas cylinder					Lattimer 3-11	
4-24-83	7:30	12:00	D-1		4:30	9:00 0.3 0.0	Baker 7-3	
4-24-83	7:50	10:30	P-2		2:40		Baker 7-3	
4-24-83	6:30	9:10	P-1		2:40		Lattimer 3-11	
4-25-83	7:50	7:55	D-1		:05		Baker 7-3	
4-25-83	8:20	12:00	P-1		3:40		Baker 7-3	
4-25-83	8:00	10:30	D-2		2:30		Baker 7-3	
4-25-83	10:35	2:30	D-1		3:55	11:45 2.0 0.0	Baker 7-3	
4-25-83	12:05	1:45	P-2		1:40		Baker 7-3	
4-25-83	7:15	7:45	P-2		:30		Lattimer 3-11	
4-25-83	10:30	11:30	P-2		1:00		Weaver 11-7	
4-25-83	12:00	4:15	D-1		4:15	2:00 0.5 0.0	Weaver 11-7	
4-25-83	2:30	3:15	P-2		:45		Weaver 11-7	
4-26-83	12:00	12:55	P-2		:55		Baker 7-3	
4-26-83	7:00	7:35	P-1		:35		Lattimer 3-11	
4-26-83	12:00	4:45	D-1		4:45	2:15 0.3 0.0	Weaver 11-7	
4-26-83	12:20	1:00	P-2		:40		Weaver 11-7	
4-26-83	3:15	3:55	P-2		:40		Weaver 11-7	
4-26-83	5:25	6:00	P-2		:35		Lattimer 3-11	
4-26-83	8:30	9:10	P-2		:40		Lattimer 3-11	
4-27-83	12:15	5:00	D-1		4:45	2:30 0.7 0.0	Weaver 11-7	
4-27-83	1:00	2:00	P-2		1:00		Weaver 11-7	
4-27-83	3:45	4:15	P-2		:30		Weaver 11-7	

055706

055707

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT (SW RW)	OPERATOR	% CONSISTENC
4-18-83	11:45	2:30	D-1		2:45	1:40 0.1 0.0	Weaver 7-3	
4-18-83	1:00	2:30	P-2		1:30		Weaver 7-3	
4-18-83	2:30	10:30	D-1		8:00	4:30 0.0 0.0	Baker 3-11	
4-18-83	2:30	4:15	P-2		1:45		Baker 3-11	
4-18-83	8:15	9:35	P-2		1:20		Baker 3-11	
4-18-83	10:30	11:00	D-1		:30		Patterson 11-7	
4-18-83	4:15	5:15	P-2		1:00		Patterson 11-7	
4-19-83	7:00	8:00	P-2		1:00		Weaver 7-3	
4-19-83	7:30	1:00	D-1		5:30	9:30 0.0 0.0	Weaver 7-3	
4-19-83	10:00	10:40	P-2		:40		Weaver 7-3	
4-19-83	11:50	12:25	P-2		:35		Weaver 7-3	
4-19-83	6:30	7:40	P-2		1:10		Baker 3-11	
4-19-83	11:30	4:30	D-1		5:00	12:30 0.1 0.0	Patterson 11-7	
4-19-83	1:30	4:10	P-2		2:40		Patterson 11-7	
4-20-83	1:25	2:30	P-2		1:05		Weaver 7-3	
4-20-83	2:30	3:05	P-2		:35		Baker 3-11	
4-20-83	2:45	5:35	D-1		2:50		Baker 3-11	
4-20-83	9:05	9:45	P-2		:40		Baker 3-11	
4-20-83	11:30	3:00	D-1		3:30		Patterson 11-7	
4-20-83	12:30	2:15	P-2		1:45	12:30 0.1 0.0	Patterson 11-7	
4-21-83	12:00	1:10	P-2		1:10		Weaver 7-3	
4-21-83	7:05	8:15	P-2		1:10		Baker 3-11	
4-21-83	11:30	5:00	D-1		5:30	12:30 0.5 0.0	Patterson 11-7	
4-21-83	2:00	4:45	P-2		2:45		Patterson 11-7	
4-21-83	6:20	7:55	P-2		1:55		Baker 3-11	
4-21-83	Changed 4-2500 and took care of Empty Barrell.						Baker 3-11	

055708

PUMPS – P-1 P-2 Primary S-1 S-2 Secondary Clarifier D-1 D-2 Dewatering Plant

SLUDGE PUMPING

S.W R.W

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTEN
4-11-83	3:25	4:05	P-2		:40		Baker 11-7	
4-12-83	8:15	9:15	P-2		1:00		Weaver 3-11	
4-12-83	1:15	5:20	D-1		4:05	2:25 0.1 0.0	Baker 11-7	
4-12-83	2:30	3:15	P-2		:45		Baker 11-7	
4-12-83	4:00	4:30	P-2		:30		Baker 11-7	
4-13-83	8:45		P-2				Patterson 7-3	
4-13-83	6:45	7:45	P-2		1:00		Weaver 3-11	
4-13-83	1:00	6:05	D-1		5:05	2:10 0.3 0.1	Baker 11-7	
4-13-83	2:30	3:30	P-2		1:00		Baker 11-7	
4-13-83	4:25	5:15	P-2		:50		Baker 11-7	
4-14-83	3:20	4:05	P-2		:45		Weaver 3-11	
4-14-83	9:30	10:00	P-2		:30		Weaver 3-11	
4-14-83	9:00	Changed H-2500					Weaver 3-11	
4-14-83	12:15	4:40	D-1		4:25	1:30 0.0 0.0	Baker 11-7	
4-14-83	1:35	2:40	P-2		1:05		Baker 11-7	
4-14-83	3:25	3:45	P-2		:20		Baker 11-7	
4-15-83	2:30	4:15	P-2		1:45		Weaver 3-11	
4-15-83	8:30	9:15	P-2		:45		Weaver 3-11	
4-15-83	12:40	5:55	D-1		5:15	2:20 0.1 0.0	Baker 11-7	
4-15-83	2:30	3:55	P-2		1:25		Baker 11-7	
4-16-83	3:50	4:50	P-2		1:00		Baker 3-11	
4-16-83	8:00	9:00	P-2		1:00		Baker 3-11	
4-17-83	7:00		D-1			9:30 0.3 0.0	Weaver 7-3	
4-17-83	8:00	9:15	P-2		1:15		Weaver 7-3	
4-17-83	12:00	1:00	P-2		1:00		Weaver 7-3	
4-17-83	5:00	6:25	P-2		1:25		Baker 3-11	

PUMPS – P-1 P-2 Primary S-1 S-2 Secondary Clarifier D-1 D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	SW RW H_2S CONTENT	OPERATOR	% CONSISTEN
3-31-83	6:30	8:30	P-2		2:00		Weaver 7-3	
3-31-83	6:50	10:25	D-1		3:35	9:40 0.0 0.0	Weaver 7-3	
3-31-83	8:10	9:20	P-2		1:10		Baker 3-11	
3-31-83	2:30	5:00	D-1		2:30	3:30 0.3 0.0	Lattimer 11-7	
3-31-83	3:15	5:00	P-2		2:15		Lattimer 11-7	
4-1-83							Weaver 7-3	
4-1-83	7:00	9:40	P-2		2:40		Baker 3-11	
4-1-83	12:30		D-1			8:30 1.0 0.0	Lattimer 11-7	
4-1-83	2:20		P-2				Lattimer 11-7	
4-2-83	8:10	8:45	P-2		:35		Baker 7-3	
4-2-83	8:50	9:50	D-1		1:00		Baker 7-3	
4-2-83	6:45	7:15	P-2		:30		Lattimer 3-11	
4-3-83	6:00	9:00	P-2		3:00		Lattimer 7-3	
4-4-83	7:50	1:00	D-1		5:10	11:20 0.3 5.0	Baker 7-3	
4-4-83	5:45	5:30	P-2		:45		Lattimer 3-11	
4-4-83	7:15	9:45	P-2		2:15		Lattimer 3-11	
4-4-83	8:30	change Chlorine cylinder					Lattimer 3-11	
4-4-83	9:25	change # 0500					Lattimer 3-11	
4-4-83	12:30	5:50	D-1		5:20	2:50 0.0 0.0	Weaver 11-7	
4-4-83	3:00	5:10	P-2		2:10		Weaver 11-7	
4-5-83	7:00	9:20	D-1		2:20	8:00 0.0 0.0	Baker 7-3	
4-5-83	5:00	6:20	P-2		1:20		Lattimer 3-11	
4-5-83	1:00	1:50	P-2		:50		Weaver 11-7	
4-5-83	2:00	6:30	D-1		4:30	4:50 0.0 0.0	Weaver 11-7	
4-5-83	4:20	5:00	P-2		:40		Weaver 11-7	
4-6-83	6:30	7:30	D-1		1:00		Baker 7-3	
4-6-83	Set up new Barrell of 4330						Baker 7-3	

05503

055716

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

S.W. R.W.

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTEN
4-6-83	8:40	4:15	P-2		1:35		Lathrum 3-11	
4-6-83	9:20	9:55	P-2		:35		Lathrum 3-11	
4-6-83	11:10	12:35	P-2		1:25		Weaver 11-7	
4-6-83	12:00	5:00	D-1		5:00	3:30 0.0 0.0	Weaver 11-7	
4-6-83	3:15	4:15	P-2		1:00		Weaver 11-7	
4-7-83	6:35	10:20	D-1		3:45	8:40 0.1 0.0	Baker 7-3	
4-7-83	7:25	8:35	P-2		1:10		Baker 7-3	
4-7-83	4:00	5:00	P-2		1:00		Lathrum 3-11	
4-7-83	8:00	9:00	P-2		1:00		Lathrum 3-11	
4-7-83	11:15	1:00	P-2		1:45		Weaver 11-7	
4-7-83	12:00	5:00	D-1		5:00	2:15 0.1 0.0	Weaver 11-7	
4-7-83	4:30	5:15	P-2		:45		Weaver 11-7	
4-8-83	7:10	10:10	D-1		3:00	8:30 0.1 0.0	Baker 7-3	
4-8-83	8:00	8:50	P-2		:50		Baker 7-3	
4-8-83	11:00	12:30	P-2		1:30		Weaver 11-7	
4-8-83	1:00	4:10	D-1		3:10	2:30 0.1 0.0	Weaver 11-7	
4-8-83	3:00	3:30	P-2		:30		Weaver 11-7	
4-9-83	3:00	4:00	P-2		1:00		Weaver 3-11	
4-9-83	8:30	9:00	P-2		:30		Weaver 3-11	
4-10-83	6:30	11:30	D-1		5:00	9:00 0.3 0.0	Lathrum 7-3	
4-10-83	9:00	10:40	P-2		1:40		Lathrum 7-3	
4-10-83	8:15	9:00	P-2		:45		Weaver 3-11	
4-11-83	7:00	11:00	D-1		4:00	8:25 0.7 0.3	Lathrum 7-3	
4-11-83	8:30	10:00	P-2		1:30		Lathrum 7-3	
4-11-83	8:30	9:15	P-2		:45		Weaver 3-11	
4-11-83	1:15	5:05	D-1		3:50	2:20 0.3 0.0	Baker 11-7	
4-11-83	1:50	2:35	P-2		:45		Baker 11-7	

PUMPS – P-1 P-2 Primary S-1 S-2 Secondary Clarifier D-1 D-2 Dewatering Plant

055711

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	SW H_2S CONTENT	OPERATOR	% CONSISTEN
3-25-83	7:30		P2				Lattimore 7-3	
3-25-83	5:00	5:55	P-2		:55		Weaver 3-11	
3-25-83	9:15	9:40	P-2		:25		Weaver 3-11	
3-25-83	1:00	4:45	D-1		3:45	3:15 0.5 0.0	Baker 11-7	
3-25-83	2:05	2:55	P-2		:50		Baker 11-7	
3-25-83	3:45	4:15	P-2		:30		Baker 11-7	
3-26-83	11:00	11:25	P-2		:25		Weaver 7-3	
3-26-83	6:30	7:50	P-2		1:20		Baker 3-11	
3-27-83	7:00	1:00	D-1		6:00	9:50 0.5 0.1	Weaver 7-3	
3-27-83	8:15	10:00	P-2		1:45		Weaver 7-3	
3-27-83	Change H.2500 Barrel						Baker 3-11	
3-27-83	6:15	7:30	P-2		1:15		Baker 3-11	
3-28-83	7:00	11:55	D-1		4:55	9:10 0.3 0.0	Weaver 7-3	
3-28-83	7:45	9:45	P-2		2:00		Weaver 7-3	
3-28-83	8:15	9:35	P-2		1:20		Baker 3-11	
3-24-83	12:00	3:15	D-1		3:15	1:45 1.0 0.0	Lattimore 11-7	
3-24-83	2:10	3:15	P-2		1:05		Lattimore 11-7	
2-29-83	12:45	1:55	P-2		1:10		Weaver 7-3	
2-29-83	7:30	8:45	P-2		1:15		Baker 3-11	
3-29-83	12:00	4:00	D-1		4:00	1:00 2.0 0.0	Lattimore 11-7	
3-29-83	1:40	4:00	P-2		2:40		Lattimore 11-7	
3-30-83	7:15	9:15	P-2		2:00		Weaver 7-3	
3-30-83	7:20	9:40	D-1		2:20	9:00 0.5 0.0	Weaver 7-3	
3-30-83	6:00	7:00	P-2		1:00		Baker 3-11	
3-30-83	9:05	10:10	P-2		1:05		Baker 3-11	
3-30-83	12:30	2:30	D-1		2:00	1:45 0.1 0.0	Lattimore 11-7	
3-30-83	5:30	6:30	P-2		1:00		Lattimore 11-7	

055712

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT (SW RW)	OPERATOR	% CONSISTENC
3-20-83	9:00	9:45	P-2		:45		Weaver 3-11	
3-21-83	8:00	2:30	D-1		6:30	9:45 0.0 0.0	Lattimer 7-3	
3-21-83	9:00	1:20	P-2		4:20		Lattimer 7-3	
3-21-83	2:30	4:30	D-1		2:00	3:45 0.1 0.0	Weaver 3-11	
3-21-83	7:20	8:30	P-2		1:10		Weaver 3-11	
3-21-83	1:00	5:45	D-1		4:45	3:00 0.1 0.0	Baker 11-7	
3-21-83	1:30	3:10	P-2		1:40		Baker 11-7	
3-21-83	4:50	5:40	P-2		:50		Baker 11-7	
3-22-83	9:45		D-1			10:40 0.3 0.0	Lattimer 7-3	
3-22-83	9:45	12:00	P-2		2:15		Lattimer 7-3	
3-22-83	6:05	7:25	P-2		1:20		Weaver 3-11	
3-22-83	1:00	6:45	D-1		5:45	3:20 0.1 0.0	Baker 11-7	
3-22-83	2:05	4:35	P-2		2:30		Baker 11-7	
3-23-83	6:45	7:45	D-1		1:00		Lattimer 7-3	
3-23-83	7:00	7:45	P-2		:45		Lattimer 7-3	
3-23-83	9:20	11:00	D-1		1:40	10:30 0.3 0.0	Lattimer 7-3	
3-23-83	9:20	10:20	P-2		1:00		Lattimer 7-3	
3-23-83	5:35	7:10	P-2		1:35		Weaver 3-11	
3-23-83	1:00	6:10	D-1		5:10	2:45 0.5 0.1	Baker 11-7	
3-23-83	1:30	3:40	P-2		2:10		Baker 11-7	
3-24-83	8:15		D-1			9:30 0.1 0.0	Lattimer 7-3	
3-24-83	8:35	11:00	P-2		2:25		Lattimer 7-3	
3-24-83	4:10	5:25	P-2		1:15		Weaver 3-11	
3-24-83	1:00	5:20	D-1		4:20	3:00 0.7 0.3	Baker 11-7	
3-24-83	1:30	3:15	P-2		1:45		Baker 11-7	
3-24-83	4:50	5:15	P-2		:25		Baker 11-7	
3-25-83	7:10	9:00	D-1		1:50	1.0 0.0 8:15	Lattimer 7-3	

055713

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	SW RW H_2S CONTENT	OPERATOR	% CONSISTENC
3-4-83	8:05	9:55	P-1		1:50		Weaver 3-11	
3-4-83	1:00	5:50	D-1		4:50	0.5 0.1	Baker 11-7	
3-4-83	2:30	4:00	P-1		1:30		Baker 11-7	
3-4-83	5:30	5:45	P-1		:15		Baker 11-7	
3-5-83	6:15	6:50	P-1		:35		Weaver 7-3	
3-5-83	6:45	7:30	D-1		:45		Weaver 7-3	
3-5-83	6:45	7:45	P-1		1:00		Baker 3-11	
3-5-83	9:30	10:10	P-1		:40		Baker 3-11	
3-6-83	7:15	11:40	D-1		4:25	9:45 0.3 0.0	Weaver 7-3	
3-6-83	8:30	10:00	P-1		1:30		Weaver 7-3	
3-6-83	7:30	8:30	P-1		1:00		Baker 3-11	
3-7-83	7:00	10:45	D-1		3:45	10:00 0.5 0.0	Weaver 7-3	
3-7-83	7:10	9:15	P-1		2:05		Weaver 7-3	
3-7-83	7:00	8:30	P-1		1:30		Baker 3-11	
3-7-83	1:00	5:30	D-1		4:30	2:50 0.5 0.1	Lattimer 11-7	
3-7-83	1:20	3:20	P-1		2:00		Lattimer 11-7	
3-8-83	6:35	7:35	P-1		1:00		Weaver 7-3	
3-8-83	7:00	8:35	D-1		1:35	8:15 0.3 0.0	Weaver 7-3	
3-8-83	12:00	2:30	P-1		2:30		Weaver 7-3	
3-8-83	2:30	3:40	P-2		1:10		Baker 3-11	
3-8-83	7:45	8:10	P-2		:25		Baker 3-11	
3-8-83	11:20	4:30	D-1		5:10	1:00 0.3 0.0	Lattimer 11-7	
3-8-83	1:30	3:00	P-2		1:30		Lattimer 11-7	
3-9-83	7:10	10:45	D-1		3:35	9:15 0.3 0.0	Weaver 7-3	
3-9-83	8:45	10:00	P-2		1:15		Weaver 7-3	
3-9-83	7:30	8:30	P-2		1:00		Baker 3-11	
3-9-83	12:30	3:00	D-1		2:30	1:40 0.3 0.0	Lattimer 11-7	

055714

PUMPS – P-1 P-2 Primary S-1 S-2 Secondary Clarifier D-1 D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	SW H_2S RW CONTENT	OPERATOR	% CONSISTENC
2-28-83	6:30		D-1			7:50 0.0 0.0	Latterson 7-3	
2-28-83	6:50	7:50	P-2		1:00		Latterson 7-3	
2-28-83	4:40	8:30	P-2		3:50		Weaver 3-11	
2-28-83	12:45	1:15	D-1		:30		Baker 11-7	
3-1-83	9:00		D-1				Latterson 7-3	
3-1-83	11:00		P-2				Latterson 7-3	
3-1-83	4:00		P-1				Weaver 3-11	
3-1-83	4:15	10:30	D-1		6:15		Weaver 3-11	
3-1-83	10:30	3:45	P-2		5:15		Baker 11-7	
3-2-83	7:30		D-1				Latterson 7-3	
3-2-83	9:30	10:30	S-1				Latterson 7-3	
3-2-83	12:00		S-1				Latterson 7-3	
3-2-83			P-1				Latterson 7-3	
3-2-83	2:30	5:00	P-2		2:30		Weaver 3-11	
3-2-83	5:15	9:00	D-1		3:45		Weaver 3-11	
3-2-83	7:15	10:15	P-2		3:00		Weaver 3-11	
3-2-83	1:10	3:30	P-1		2:20		Baker 11-7	
3-2-83	2:55	4:40	D-1		1:45	4:00 0.0 0.0	Baker 11-7	
3-2-83	5:05	6:30	P-1		1:25		Baker 11-7	
3-3-83	6:30		P-1				Latterson 7-3	
3-3-83	6:30		D-1				Latterson 7-3	
3-3-83	5:30	7:30	P-1		2:00		Weaver 3-11	
3-3-83	1:00	5:30	D-1		4:30		Baker 11-7	
3-3-83	3:35	6:00	P-1		2:25		Baker 11-7	
	Stop new Barrel of Defoamer						Baker 11-7	
3-4-83	7:15		D-1			8:30 0.5 0.1	Latterson 7-3	
3-4-83	8:30	10:15	P-1		1:45		Latterson 7-3	

055715

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT (SW RW)	OPERATOR	% CONSISTENC
11-1-82	11:50	1:30	P-1		1:40	0.3 0.0 3:00	B. Patterson 11-7	
11-1-82	12:00		D-1				Patterson 11-7	
11-1-82	3:45	4:45	P-1		1:00		Patterson 11-7	
11-2-82	7:35	8:45	P-1		1:10		Weaver 7-3	
11-2-82	8:35	1:10	D-1			9:50 0.5 0.0	Weaver 7-3	
11-2-82	9:40	10:40	S-1	105	1:00		Weaver 7-3	
11-2-82	10:20	11:20	P-1		1:00		Weaver 7-3	
11-2-82	4:00	5:10	P-1		1:10		Baker 3-11	
11-2-82	9:00	10:15	P-1		1:15		Baker 3-11	
11-2-82	12:00	12:45	P-1		0:45		Patterson 11-7	
11-2-82	1:00		D-1			1:45 0.3 0.0	Patterson 11-7	
11-2-83	3:00	3:40	P-1		0:40		Patterson 11-7	
11-3-83	6:30	7:25	P-1		:55		Weaver 7-3	
11-3-82	7:15	1:30	D-1			10:30 0.5 0.0	Weaver 7-3	
11-3-82	9:45	10:45	P-1		1:00		Weaver 7-3	
11-3-82	6:40		P-1				Baker 3-11	
11-3-82	10:45	11:45	P-1		1:00		Patterson 11-7	
11-3-82	1:00		D-1			3:00 0.5 0.0	Patterson 11-7	
11-3-82	2:05	3:05	P-1		1:00		Patterson 11-7	
11-4-82	9:00	9:30	P-1		:30		Weaver 7-3	
11-4-82	12:15	2:30	D-1		2:15	1:15 0.3 0.0	Weaver 7-3	
11-4-82	12:30	1:45	P-1		1:15		Weaver 7-3	
11-4-82	2:30	7:00	D-1		4:30	3:45 0.5 0.0	Baker 3-11	
11-4-82	4:10	6:10	P-1		2:00		Baker 3-11	
11-4-82	9:25	10:30	P-1		1:05		Baker 3-11	
11-4-82	10:30	1:00	P-1		2:30		Patterson 11-7	
11-4-82	12:45		D-1			2:30 0.3 0.0	Patterson 11-7	

055716

PUMPS – P-1 / P-2 Primary S-1 / S-2 Secondary Clarifier D-1 / D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT (SW RW)	OPERATOR	% CONSISTENC
2-17-83	7:10	8:20	P-2		1:20		Weaver 7-3	
2-17-83	7:15	8:55	D-1		1:40	7:55 2.0 0.0	Weaver 7-3	
2-17-83	7:00	9:40	P-2		2:40		Baker 3-11	
2-17-83	Change	Chlorine	Cylinder				Baker 3-11	
2-17-83	10:00	5:00	D-1		5:00	1:00 2.0 0.7	Lattimore 11-7	
2-17-83	1:40	5:00	P-2		3:20	2:35 2.0 0.8	Lattimore 11-7	
2-18-83	7:35	10:40	D-1		3:05	9:20 3.0 0.0	Weaver 7-3	
2-18-83	7:40	10:40	P-2		3:00		Weaver 7-3	
2-18-83	7:00	9:15	P-2		2:15		Baker 3-11	
2-18-83	10:00	4:30	D-1		4:30	1:40 0.0 0.0	Lattimore 11-7	
2-18-83	1:45	4:30	P-2		2:45		Lattimore 11-7	
2-19-83	8:20	12:00	P-2		3:40		Baker 7-3	
2-19-83	8:25	12:55	D-1		4:30	10:00 0.0 0.0	Baker 7-3	
2-19-83	7:00	8:15	P-2		1:15		Lattimore 3-11	
2-19-83	9:45	10:45	P-2		1:00		Lattimore 3-11	
2-20-83	7:35	12:45	D-1		5:10	9:20 0.3 0.0	Baker 7-3	
2-20-83	8:15	11:25	P-2		3:10		Baker 7-3	
2-20-83	6:15	8:30	P-2		2:15		Lattimore 3-11	
2-21-83	8:35	12:40	D-1		4:05	10:00 0.5 0.1	Baker 7-3	
2-21-83	9:05	11:05	P-2		2:00		Baker 7-3	
2-21-83	5:50	9:45	P-2		3:55		Lattimore 3-11	
2-21-83	11:30	5:30	D-1		6:00		Weaver 11-7	
2-21-83	9:45	6:00	P-2		2:15		Weaver 11-7	
2-22-83	7:15	2:25	D-1		7:10	9:20 0.0 0.7	Baker 7-3	
2-22-83	7:50	9:50	P-2		2:00		Baker 7-3	
2-22-83	12:00	12:50	P-2		:50		Baker 7-3	
2-22-83	1:35	2:28	P-2		1:50		Baker 7-3	

055717

PUMPS – P-1 P-2 Primary S-1 S-2 Secondary Clarifier D-1 D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	SW RW H_2S CONTENT	OPERATOR	% CONSISTENCY
1-22-83	6:30	9:30	P-2		3:00		Lattimore 3-11	
2-22-83	12:15	5:40	D-1		5:25	2:00 0.0 0.3	Weaver 11-7	
2-22-83	1:45	4:00	P-2		2:15		Weaver 11-7	
2-23-83	7:20	1:25	D-1		6:05	8:45 0.1 0.3	Baker 7-3	
2-23-83	8:05	10:55	P-2		2:50		Baker 7-3	
2-23-83	4:00	6:40	P-2		2:40		Lattimore 3-11	
2-23-83	12:15	5:45	D-1		5:30	3:00 0.0 0.1	Weaver 11-7	
2-23-83	3:30	5:20	P-2		1:50		Weaver 11-7	
2-24-83	7:15	9:45	D-1		2:30		Baker 7-3	
2-24-83	7:30	8:25	P-2		:55		Baker 7-3	
2-24-83	6:40	10:10	P-2		3:30		Lattimore 3-11	
2-24-83	11:15	5:15	D-1		6:00		Weaver 11-7	
2-24-83	2:15	4:15	P-2		2:00		Weaver 11-7	
2-25-83	7:30	1:40	D-1		6:10	9:00 0.0 0.1	Baker 7-3	
2-25-83	8:00	11:50	P-2		3:50		Baker 7-3	
2-25-83	5:50	8:50	P-2		3:00		Lattimore 3-11	
2-25-83	11:45	5:00	D-1		5:15	3:00 0.1 0.0	Weaver 11-7	
2-25-83	2:30	5:30	P-2		3:00		Weaver 11-7	
2-26-83	7:30	11:30	D-1		4:00	8:30 0.1 0.0	Lattimore 7-3	
2-26-83	8:00	11:00	P-2		3:00		Lattimore 7-3	
2-26-83	12:15	change H	1500				Lattimore 7-3	
2-26-83	6:00	7:00	P-2		1:00		Weaver 3-11	
2-26-83	9:00	9:30	P-2		:30		Weaver 3-11	
2-27-83	7:45	10:00	P-2		2:15		Lattimore 7-3	
2-27-83	9:00	change chlorine	cylinder				Lattimore 7-3	
2-27-83	8:45	12:15	D-1		3:30	10:00 0.0 0.0	Lattimore 7-3	
2-27-83	7:40	8:30	P-2		:50		Weaver 3-11	

055719

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

SW RW

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTENC
2-11-83	2:20	4:00	P-2		1:40		Baker 11-7	
2-11-83	2:30	3:30	Unplug		Conveyer		Baker 11-7	
2-11-83	3:30	6:30	D-1		3:00		Baker 11-7	
2-12-83	6:15	7:05	P-2		:50		Weaver 7-3	
2-12-83	6:30	8:40	D-1		2:10	7:00 0.3 0.0	Weaver 7-3	
2-12-83	8:10	8:30	P-2		:20		Weaver 7-3	
2-12-83	7:05	9:20	P-2		2:15		Baker 3-11	
2-13-83	7:00	12:20	D-1		5:20	9:15 0.3 0.0	Weaver 7-3	
2-13-83	7:30	9:45	P-2		2:15		Weaver 7-3	
2-13-83	12:00	12:15	P-2		:15		Weaver 7-3	
2-13-83	6:30	7:55	P-2		1:25		Baker 3-11	
2-13-83	9:45	10:10	P-2		:25		Baker 3-11	
2-14-83	7:00	12:30	D-1		5:30	9:00 0.3 0.0	Weaver 7-3	
2-14-83	7:40	9:40	P-2		2:00		Weaver 7-3	
2-14-83	11:15	12:00	P-2		:45		Weaver 7-3	
2-14-83	7:00	8:05	P-2		1:05		Baker 3-11	
2-14-83	12:00	3:30	D-1		3:30	130 0.3 0.0	Lattimer 11-7	
2-14-83	12:45	3:15	P-2		2.30		Lattimer 11-7	
2-15-83	6:50	9:00	P-2		2:10		Weaver 7-3	
2-15-83	7:10	9:25	D-1		2:15	8:40 0.5 0.0	Weaver 7-3	
2-15-83	7:00	9:25	P-2		2:25		Baker 3-11	
2-15-83	12:00	6:30	D-1		6:30		Lattimer 11-7	
2-15-83	2:15	6:40	P-2		4:25	0.5 0.3	Lattimer 11-7	
2-16-83	6:30	7:15	D-1		:45	7:10 2.0 0.0	Weaver 7-3	
2-16-83	7:10	10:00	P-2		2:50		Baker 3-11	
2-16-83	12:00	5:00	D-1		5:00	1:45 2.0 0.3	Lattimer 11-7	
2-16-83	1:40	5:00	P-2		3:20		Lattimer 11-7	

055719

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	SW RW H_2S CONTENT	OPERATOR	% CONSISTENC
2-2-83	11:30	1:30	P-2		2:00		Weaver 11-7	
2-2-83	4:00	6:00	D-1		2:00		Weaver 11-7	
2-3-83	6:50	9:35	P-2		2:45		Baker 7-3	
2-3-83	7:15		D-1			8:45 0.7 0.0	Baker 7-3	
2-3-83	7:00	10:30	P-2		3:30		Lattimore 3-11	
2-3-83	10:30	11:10	P-2		:40		Weaver 11-7	
2-3-83	11:45	5:30	D-1		5:45	2:30 0.3 0.0	Weaver 11-7	
2-3-83	2:00	6:30	P-2		4:30		Weaver 11-7	
2-4-83	6:30	7:30	P-2		1:00		Baker 7-3	
2-4-83	7:45	2:30	D-1		6:45	9:00 0.1 0.0	Baker 7-3	
2-4-83	9:25	2:30	P-2		5:05		Baker 7-3	
2-4-83	2:30	9:30	D-1		7:00	0.1 0.0 5:45	Lattimore 3-11	
2-4-83	2:30	6:10	P-2		3:40		Lattimore 3-11	
2-4-83	6:30	9:45	P-2		3:15		Lattimore 3-11	
2-5-83	9:00	2:30	D-1		5:30	9:45 0.1 0.1	Lattimore 7-3	
2-5-83			P-2				Lattimore 7-3	
2-5-83	2:30	3:45	P-2		1:15		Weaver 3-11	
2-5-83	2:30	5:30	D-1		3:00	3:30 0.3 0.0	Weaver 3-11	
2-5-83	8:30	9:45	P-2		1:15		Weaver 3-11	
2-6-83	6:50	9:10	P-2		2:20		Lattimore 7-3	
2-6-83	7:15	10:00	D-1		2:45	8:15 0.1 0.0	Lattimore 7-3	
2-6-83	5:30	6:20	P-2		:50		Weaver 3-11	
2-6-83	8:10	9:10	P-2		1:00		Weaver 3-11	
2-7-83	9:30	2:30	D-1		5:00	10:45 0.1 0.0	Lattimore 7-3	
2-7-83	10:30	2:30	P-2		4:00		Lattimore 7-3	
2-7-83	2:30	5:35	D-1		3:05	3:30 0.3 0.0	Weaver 3-11	
2-7-83	2:30	3:15	P-2		:45		Weaver 3-11	

055720

PUMPS – P-1, P-2 Primary; S-1, S-2 Secondary Clarifier; D-1, D-2 Dewatering Plant

SLUDGE PUMPING

SW RW

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTEN
1-29-83	5:00	6:00	P-1		1:00		Patterson 3-11	
1-29-83	9:30	11:30	P-1		2:00		Patterson 3-11	
1-30-83	7:40	2:05	D-1		6:25	9:15 0.3 - 0.1	Baker 7-3	
1-30-83	9:45	12:30	P-2		3:15		Baker 7-3	
1-30-83	6:25	8:00	P-2		1:35		Patterson 3-11	
1-31-83	9:00	2:10	P-2		5:10		Baker 7-3	
1-31-83	10:15	2:30	D-1		4:15	11:30 0.3 0.1	Baker 7-3	
1-31-83	2:30	6:30	D-1		4:00	3:40 0.1 0.0	Patterson 3:11	
1-31-83	3:40	5:45	P-2		2:05		Patterson 3:11	
1-31-83	12:10	2:10	P-2		2:00		Weaver 11-7	
1-31-83	1:45	5:30	D-1		3:45	3:00 0.3 0.0	Weaver 11-7	
1-31-83	2:00	3:40	S-2	65	1:40		Weaver 11-7	
1-31-83	4:30	5:15	P-2		:45		Weaver 11-7	
~~2-1-83~~	~~7:05~~	~~8:00~~	~~P-2~~		~~:55~~		~~Baker 7-3~~	
2-1-83	7:05	8:00	P-2		:55		Baker 7-3	
2-1-83	8:05	11:15	D-1		3:10	9:00 0.3 0.0	Baker 7-3	
2-1-83	9:20	10:25	P-2		1:05		Baker 7-3	
2-1-83	9:05	10:30	P-2		2:25		Patterson 3-11	
2-1-83	10:30	11:30	P-2		1:00		Weaver 11-7	
2-1-83	1:00	6:15	D-1		5:15	3:00 0.3 0.0	Weaver 11-7	
2-1-83	3:30	6:15	P-2		2:45		Weaver 11-7	
2-2-83	7:55	9:20	D-1		1:25		Baker 7-3	
2-2-83	9:05	1:00	P-2		3:55		Baker 7-3	
2-2-83	10:30	2:30	D-1		4:00	11:00 0.1 0.0	Baker 7-3	
2-2-83	2:30		D-1			3:05 1.0 0.0	Patterson 3-11	
2-2-83	2:40	6:00	P-2		3:20		Patterson 3-11	
2-2-83	4:40	5:30	S-2		:50		Patterson 3-11	

055721

PUMPS – P-1, P-2 Primary; S-1, S-2 Secondary Clarifier; D-1, D-2 Dewatering Plant

SLUDGE PUMPING

RW SW

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTENC
3-21-84	1:20	2:15	P-1		:55		EB RW 7-3	
3-21-84	2:45	3:30	S-2		:45		Baker 3-11	
3-21-84	8:10	8:25	P-1		:15		Baker 3-11	
3-21-84	11:55	1:05	S-2		1:10		Sattison 11-7	
3-21-84	2:30	6:30	D-1		4:00	3:30 0.7	Sattison 11-7	
3-21-84	3:30	3:45	P-1		:15		Sattison 11-7	
3-22-84	6:30	7:15	D-1		:45		EB RW 7-3	
3-22-84	9:30	10:40	P-1		1:10		EB RW 7-3	
3-22-84	10:45	11:45	S-2		1:00		DW EB 7-3	
3-22-84	2:35	3:00	P-1		:25		Baker 3-11	
3-22-84	3:15	4:15	S-2		1:00		Baker 3-11	
3-22-84	4:35	6:05	P-1		1:30		Baker 3-11	
3-22-84	10:45	5:00	D-1		6:15	1:45 0.0	Sattison 11-7	
3-23-84	2:00	3:30	P-1		1:30		Sattison 11-7	
3-23-84	2:00	4:30	S-2		2:30		Sattison 11-7	
3-23-84	7:15	7:40	P-1		:25		EB RW 7-3	
3-24-84	9:40	11:10	D-1		1:30		EB RW 7-3	
3-23-84	3:00	4:00	S-2		1:00		Baker 3-11	
3-23-84	6:00	7:20	P-1		1:20		Baker 3-11	
3-23-84	12:45	6:30	D-1		7:45	2:30 0.0	Sattison 11-7	
3-23-84	10:45	11:45	S-2		1:00		Sattison 11-7	
3-23-84	2:15	2:30	P-1		:15		Sattison 11-7	
3-23-84	3:45	5:00	S-2		1:15		Sattison 11-7	
3-23-84	3:45	4:30	P-1		:45		Sattison 11-7	
3-24-84	12:30	1:30	P-1		1:00		BB E.B.	
3-24-84	1:05	2:30	S-2		1:25		BB. E.B.	
3-24-84	9:15	10:35	P-1		1:20		Sattison 3-11	

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	RW SW H_2S CONTENT	OPERATOR	% CONSISTENCY
3-16-84	9:10	9:55	P-1		:45		Wiman 7-11	
3-16-84	11:40	4:55	D-1		5:15	2.0C 0.0 0.0	Baker 11-7	
3-16-84	1:30	2:25	P-1		:55		Baker 11-7	
3-17-84	11:45	12:35	P 1		:50		Wiman 7-3	
3-17-84	4:30	5:30	P-1		1:00		Baker 3-11	
3-18-84	6:30	8:30	P-1		2:00		Wiman 7-3	
3-18-84	7:00	12:10	D-1		5:10	9.4C 0.0 0.0	Wiman 7-3	
3-18-84	10:30	11:30	P-1		1:00		Wiman 7-3	
3-18-84	2:20	3.25	P-1		1:05		Baker 3-11	
3-18-84	8.00	9.00	P-1		1:00		Baker 3-11	
3-19-84	6:30	8:00	P-1		1:30		ER DW 7-3	
3-19-84	7:10	12:50	D-1		5:40		ER DW 7-3	
3-19-84	8:50	10:50	SM		2:00		ER DW 7-3	
3-19-84	10:10	10:45	P 1		:35		ER DW 7-3	
3-19-84						11.0C 0.0	DW ER 7-3	
3-19-84	6:00	6:50	P-1		:50		Baker 3-11	
3-19-84	3:00	5:00	S-E		2:00		Baker 3-11	
3-19-84	11:00	3:45	D-1		4:45	12:30 0.0	Patterson 11-7	
3-19-84	11:30	2:00	S-E		2:30		Patterson 11-7	
3-19-84	12:15	1:15	P-1		1:00		Patterson 11-7	
3-20-84	8:05	9:10	P-1		1.05		ER DW 7-3	
3-20-84	1:15	2:00	P-1		:45		ER DW 7-3	
3-20-84	3:20	5:00	S-M		1:40		Baker 3-11	
3-20-84	7:35	8:25	P-1		:50		Baker 3-11	
3-20-84	10:30	5:15	D-1		6:45	12:15 0.0	Patterson 11-7	
3-20-84	12:15	1:15	S-M		1:00		Patterson 11-7	
3-20-84	3:10	4:00	P-1		:50		Patterson 11-7	

055222

PUMPS – P-1 P-2 Primary S-1 S-2 Secondary Clarifier D-1 D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT (Pre SW)	OPERATOR	% CONSISTENCY
3-13-84	3:40	6:15	S-W				Wiesen 3-11	
3-13-84	4:40	5:35	P-1		:55		Wiesen 3-11	
3-13-84	6:05	7:05	P-1		1:00		Wiesen 3-11	
3-13-84	12:00	6:30	D-1		6:30	1:15 1.0 0.0	Baker 11-7	
3-13-84	1:20	3:00	P-1		1:40		Baker 11-7	
3-13-84	3:15	6:00	S-W		2:45		Baker 11-7	
3-14-84	6:30	10:30	D-1		4:00	7:20 0.3 0.0	E.B. B.P. 7-3	
3-14-84	7:00	8:00	P-1		1:00		E.B. B.P. 7-3	
3-14-84	8:15	10:30	S-W		2:15		E.B. B.P. 7-3	
3-14-84	8:30	8:50	P-1		:20		E.B. B.P. 7-3	
3-14-84	3:45	4:00	P-1		:15		Wiesen 3-11	
3-14-84	5:35	6:15	P-1		:40		Wiesen 3-11	
3-14-84	11:50	12:40	P-1		:50		Baker 11-7	
3-14-84	11:55	6:05	D-1		6:10	7:00 1.0 0.0	Baker 11-7	
3-14-84	2:10	3:40	S-M		1:30		Baker 11-7	
3-15-84	8:00	8:40	P-1		0:40		E.B. Patterson 7-3	
3-15-84	10:00	12:00	S-M		2:00		E.B. B.P. 7-3	
3-15-84	1:00	2:15	P-1		2:15		E.B. B.P. 7-3	
3-15-84	5:25	6:00	P-1		:35		Wiesen 3-11	
3-15-84	6:30	10:30	D-1		4:00	9:05 0.7 0.0	Wiesen 3-11	
3-15-84	7:00	10:30	S-M		3:30		Wiesen 3-11	
3-15-84	9:00	9:40	P-1		:40		Wiesen 3-11	
3-15-84	10:30	4:30	D-1		6:00		Baker 11-7	
3-15-84	10:30	12:10	S-M		1:40		Baker 11-7	
3-15-84	12:15	12:55	P-1		:40		Baker 11-7	
3-16-84	8:40	9:20	P-1		0:40		E.B. B.P. 7-3	
3-16-84	4:35	5:10	P-1		:35		Wiesen 3-11	

05572

055724

PUMPS – P-1 P-2 Primary S-1 S-2 Secondary Clarifier D-1 D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT (RW SW)	OPERATOR	% CONSISTENCY
3-8-84	4:30	5:00	P-1		0:30		Patterson 3-11	
3-8-84	8:30		D-1				Patterson 3-11	
3-8-84	10:30	4:25	D-1		5:55		Weaver 11-7	
3-8-84	10:40	11:40	P-1		1:00		Weaver 11-7	
3-9-84	12:20	1:00	P-1		:40		Baker 7-3	
3-9-84	1:30	2:30	P-1		1:00		Baker 7-3	
3-9-84	3:30	3:00	P-1				Patterson 3-11	
3-9-84	8:00	8:20	P-1				Patterson 3-11	
3-9-84	11:15	12:00	P-1		:45		Weaver 11-7	
3-9-84	11:25	4:35	D-1		5:10	2:50 0.0 0.0	Weaver 11-7	
3-9-84	2:00	3:55	P-1		1:55		Weaver 11-7	
3-10-84	10:00	2:10	P-1		4:10		B.P EB 7-3	
3-10-84	3:10	6:35	D-1		3:25	6:00 0.0 0.0	Weaver 3-11	
3-10-84	6:15	7:55	P-1		1:40		Weaver 3-11	
3-10-84	9:15	9:55	P-1		:40		Weaver 3-11	
3-11-84	7:00		D-1				BPEB 7-3	
3-11-84	7:30	8:45	P-1		1:15	8:45 0.0	BPEB 7-3	
3-11-84	3:45	4:25	P-1		:40		Weaver 3-11	
3-11-84	9:50	10:20	P-1		:30		Weaver 3-11	
3-12-84	7:30	8:45	P-1		1:15	8:45 0.0	BPEB 7-3	
3-12-84	2:40	3:40	D-1		1:00		Weaver 3-11	
3-12-84	6:10	6:50	P-1		:40		Weaver 3-11	
3-12-84	9:10	9:40	P-1		:30		Weaver 3-11	
3-12-84	11:30	4:20	D-1		4:50	12:50 0.0	Baker 11-7	
3-12-84	1:00	1:25	P-1		:25		Baker 11-7	
3-13-84	11:00	11:45	P-1		0:45		Patterson 7-3	

055725

PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

RW SW

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	H_2S CONTENT	OPERATOR	% CONSISTENCY
3-3-84	10:20	10:35	P-2		:15		Baker Bonado 7-3	
3-3-84	12:00	12:45	P-2		:45		Bonado Baker 7-3	
3-3-84	7:00	7:45	P-2		:45		Patterson 3-11	
3-4-84	7:20	2:30	P-1		6:50		Baker Bonado 7-3	
3-4-84	8:00	9:20	P-2		1:20	9:15 0.7 0.0	Baker Bonado 7-3	
3-4-84	1:00	2:00	P-2		1:00		Baker Bonado 7-3	
3-4-84	2:30	4:00	D-1		1:30		D. Patterson 3-11	
3-4-84	8:00	9:00	P-2		1:00		Patterson 3-11	
3-5-84	7:45	12:00	D-1		4:15		Baker Bonado 7-3	
3-5-84	8:10	9:30	P-2		1:20	9:00 0.1 0.0	Bonado Baker 7-3	
3-5-84	4:30	5:15	P-2		0:45		Patterson 3-11	
3-5-84	9:00	9:45	P-2		0:45		Patterson 3-11	
3-5-84	11:10	4:20	D-1		5:10	2:30 0.0 0.0	Wiemann 11-7	
3-5-84	1:00	1:45	P-2		:45		Wiemann 11-7	
3-5-84	3:00	3:35	P-2		:35		Wiemann 11-7	
3-6-84	12:45	1:45	P-2				Baker Bonado 7-3	
3-6-84	10:50	1:30	P-2		2:40		Wiemann 11-7	
3-6-84	11:05	4:20	D-1		5:15	2:30 0.0 0.0	Wiemann 11-7	
3-6-84	1:30	5:20	P-1		3:50		Wiemann 11-7	
3-7-84	10:00	12:05	P-1		2:05		Bonado Baker 7-3	
3-7-84	10:10	2:30	D-1		4:20	12:30 0.0 0.0	Bonado Baker 7-3	
3-7-84	2:30	430	D-1		2:00	3:45 0.0 0.0	Patterson 3-11	
3-7-84	3:15	430	P-2		1:45		Patterson 3-11	
3-7-84	11:40	12:40	P-1		1:00		Wiemann 11-7	
3-7-84	12:35	3:45	D-1		3:10	2:40 0.0 0.0	Wiemann 11-7	
3-7-84	2:30	3:10	P-1		:40		Wiemann 11-7	
3-8-84	12:20	2:20	P-1		2:00		Baker Bonado 7-3	

055726

6-23-83

Calloway 4330

1:00 SW 7-3
4:30 BB 3-11
7:30 BB 3-11
10:30 BP 11-7
1:15 BP 11-7
3:15 BP 11-7
5:30 BP 11-7

6-24-83

7:15 SW 7-3
9:30 SW 7-3
12:30 SW 7-3
3:30 BB 3-11
6:20 BB 3-11
9:10 BB 3-11
11:30 BP 11-7
2:00 BP 11-7
4:45 BP 11-7

6-25-83

7:20 BB 7-3
10:00 BB 7-3
12:45 BB 7-3
3:40 BP 3-11
5:50 BP 3-11
8:50 BP 3-11

055727

4330 6-20-83

6:20 BB 3-11
9:25 BB 3-11
12:20 BP 11-7
3:00 BP 11-7

6-21-83

6:45 OW 7-3
9:00 OW 7-3 Changed Barrell 9:15
12:00 OW 7-3
3:35 BB 3-11
6:00 BB 3-11
8:45 BB 3-11
11:30 BP 11-7
2:45 BP 11-7
5:15 BP 11-7

6-22-83

8:15 OW 7-3
11:00 OW 7-3
2:15 OW 7-3
5:15 BB 3-11
8:30 BB 3-11
11:00 BP 11-7
2:00 BP 11-7
4:45 BP 11-7

6-23-83

8:15 OW 7-3
10:15 OW 7-3

0557723

4330

6-4-83

9:00 BB 7-3
12:35 BB 7-3
4:00 BP 3-11
8:25 BP 3-11

6-5-83

10:05 BB 7-3
1:15 BB 7-3
5:00 BP 3-11
7:30 BP 3-11

6-6-83

10:10 BB 7-3
1:00 BB 7-3
4:00 BP 3-11
7:10 BP 3-11
10:45 OW 11-7
1:15 OW 11-7
4:45 OW 11-7

6-7-83

9:00 BB 7-3
1:05 BB 7-3
4:25 BP 3-11

6-16-83

9:00 BP 7-3
10:20 BP 7-3
11:40 BP 7-3

055729

5-5-83

4330

5:45 BB 11-7

5-16-83

1:00 BB 7-3

5-17-83

10:10 BB 7-3

1:25 BB 7-3

4330

6-2-83

3:20 BB 3-11

6:40 BB 3-11

9:40 BB 3-11

~~[illegible]~~

1:15 BP 11-7

5:45 BP 11-7

7135

2:00 DW 7-3

2:15 DW 7-3

5:15 BB 3-11

7:45 BB 3-11

9:50 BB 3-11

11:55 BP 11-7

2:30 BP 11-7

4:40 BP 11-7

6-3-83

8:15 DW 7-3

11:30 DW 7-3

3:15 BB 3-11

~~[illegible]~~

4:40 BB 3-11

10:05 BB 3-11

12:30 BP 11-7

1:50 BP 11-7

3:00 BP 11-7

3:50 BP 11-7

5:00 BP 11-7

7:15 DW 7-3

9:15 DW 7-3

11:15 DW 7-3

1:25 DW 7-3

4:05 BB 3-11

6:20 BB 3-11

8:40 BB 3-11

10:00 BP 11-7

1-31-83 NALCO # L-055730

11:10 BB 7-3

Calaway 4330 2-25-83

12:00 DW 11-7

2:00 DW 11-7

4:00 DW 11-7

2-26-83

10:00 BP 7-3

12:15 BP 7-3

2-27-83

10:45 BP 7-3

2-28-83

1:00 BB 11-7

3-1-83

11:15 BP 7-3

11:30 BP 7-3

2:10 BP 7-3

3-11-83

8:15 BP 7-3

8:15 BP 7-3

10:15 BP 7-3

12:00 BP 7-3

1:20 BP 7-3

7:00 DW 3-11

3-20-83 ACCURAC 135

1:00 DW 7-3

1:45 DW 7-3

055731

3-27-83

4330

7:30 OW 7-3

8:10 OW 7-3

9:45 OW 7-3

11:30 OW 7-3

3-28-83

7:50 OW 7-3

10:[illegible]0 OW 7-3

3-29-83

NALCO #1

10:20 OW 7-3

10:30 [illegible]W 7-3

12:45 OW 7-3

4:40 BB [illegible]-11

7:15 BB 3-11

10:15 BB 3-11

1:10 BP 11-7

4330

4-5-83

8:40 BB 7-3

3:15 OW 11-7

5:10 OW 11-7

6:10 OW 11-7

4-6-83

7:45 BB 7-3

2:45 OW 11-7

055732

1-13-83

Flushed and Cleaned tanks. Changed to 4330. BB 7-3
4330

10:15 BB 7-3
10:30 BB 7-3

2:30 OW 11.7

1.14.83

1:00 OW 11.7
5:00 OW 11.7

1-15-83

9:20 BP 7-3
12:45 BP 7-3
4:45 OW 3.11
8:00 OW 3.11

1-16-83

630 BP 7-3

1.20.83

NALCO #1
5:30 OW 3.11
5:40 OW 3.11
9:15 OW 3.11
12:40 BB 11-7
3:45 BB 11-7

1-21-83

6:45 BP 7-3
10:30 BP 7-3
1:35 BP 7-3
4:30 OW 3.11

C55733

12-06-82 4330

10:00 BP 7-3

1-3-83

Accuroc 135 BB 7-3

6:45 BB 7-3

9:30 BB 7-3

12:00 BB 7-3

2:50 BP 3-11

4:25 BP 3-11

6:50 BP 3-11

1-4-83

7:55 OW 7-3

10:15 OW 7-3

~~[illegible]~~ ~~[illegible]~~

2:30 BP 11-7

4:45 BP 11-7

NALCO #1

3:10 BB 3-4

6:10 BB 3-11

9:20 BB 3-11

10:10 BP 11-7

3:35 BP 11-7

1-5-83

6:55 OW 7-3

2:35 BP 11-7

4:30 BP 11-7

6:20 OW 7-3

9:40 OW 7-3

12:45 OW 7-3

4:40 BB 3-11

8:10 BB 3-11

11:10 BP 11-7

2:45 BP 11-7

6:15 BP 11-7

055734

12-16-82

ACCURAC 135

9:30 DW 7-3

5:20 BP 11-7

NALCO #1

12:30 DW 7-3

12:40 DW 7-3

4:00 BB 3-11

6:45 BB 3-11

9:45 BB 3-11

[illegible]:20 BP 11-7

4:10 BP 11-7

12-17-82

7:30 DW 7-3

12-18-82

7:30 DW 7-3

10:30 DW 7-3

1:30 DW 7-3

5:00 BP 3-11

12-19-82

10:20 BB 7-3

1:45 BB 7-3

4:00 BP 3-11

7:00 BP 3-11

9:30 BP 3-11

12-20-82

11:30 BB 7-3

3:30 BP 3-11

6:30 BP 3-11

9:30 BP 3-11

055735

12-1-82 4330

3:00	BP	3-11
5:30	BP	3-11
8:15	BP	3-11
11:00	OW	11-7
1:15	OW	11-7
4:05	OW	11-7

12-2-82 4330

7:55	BB	7-3
10:20	BB	7-3
1:00	BB	7-3
3:40	BP	3-11
6:30	BP	3-11
9:00	BP	3-11
11:45	OW	11-7
2:20	OW	11-7
5:15	OW	11-7

Changed Barrels 4330 5:40

12-3-82 4330

8:40	BB	7-3
11:30	BB	7-3
2:00	BB	7-3
3:30	BP	3-11

change # 4500

12-4-82

11:00	BP	7-3
1:00	BP	7-3
4:20	OW	3-11
7:40	OW	3-11

055736

4-28-82	4330		
	4:00	BP	3-11
	6:50	BP	3-11
	9:30	BP	3-11
4-29-82	4330		
	10:40	BB	7-3
	1:25	BB	7-3
	4:45	BP	3-11
	6:45	BP	3-11
set up	H 0500	9:00	BP 3-11
	9:40	BP	3-11
	11:30	OW	11-7
	2:30	OW	11-7
	5:30	OW	11-7
4-30-82	4330		
	8:15	BB	7-3
	11:30	BB	7-3
	1:55	BB	7-3
	4:35	BP	3-11
	7:05	BP	3-11
	9:45	BP	3-11
Changed 4330 Barrell	12:15	OW	11-7
	3:00	OW	11-7
	5:45	OW	11-7
12-1-82	4330		
	8:40	BB	7-3
	11:50	BB	7-3

055737

11-22-82 Accurac 135

2:50 BP 11-7

3:00 change chlorine tank B.P. 11-7

4:40 BP 11-7

11-23-82

1:15 BP 11-7

change 4330

3:00 BP 11-7

3:30 BP 11-7

5:25 BP 11-7

11.24.82 4330

7:45 OW 7.8

12:30 BP 11-7

2:30 BP 11-7

11.26.82 4330

8:15 OW 7.11

11:10 BB 11-3

1:35 BB 11-3

4:10 BP 3-11

4-27-82 4330

1:10 BB 7-3

4:30 BP 3-11

8:00 BP 3-11

9:45 BP 3-11

4-28-82 4330

10:45 BB 7-3

1:45 BB 7.3

055738

11.4.82

4330

8:00 DW 7-3
11:00 DW 7-3
2:30 DW 7-3
4:45 BB 3-11
7:15 BB 3-11
10:00 BB 3-11
3:15 BP 11-7
5:50 BP 11-7

NALCO #1 11.5.82

10:50 DW 7-3
11:00 DW 7-3
3:20 BB 3-11
6:45 BB 3-11
9:50 BB 3-11
1:15 BP 11-7
4:15 BP 11-7

4330

9:00 DW 7-3
11:30 DW 7-3
2:10 DW 7-3
5:00 BB 3-11
8:00 BB 3-11
10:20 BB 3-11
1:00 BP 11-7
3:45 BP 11-7
6:00 BP 11-7

NALCO #1 11-6-82

7:50 BB 7-3
11:15 BB 7-3
2:15 BB 7-3
5:20 BP 3-11

4330

9:00 BB 7-3
11:30 BB 7-3
2:05 BB 7-3
4:30 BP 3-11

055739

11 · 1 · 82

4330

9:30 OW 7·3
12:00 OW 7·3
3:15 BB 3-11
6:00 BB 3-11
8:30 BB 3-11
11:00 BP 11-7
1:45 BP 11-7
4:35 BP 11-7

NALCO 7135 11 · 2 · 82

5:40 BB 3-11
5:50 BB 3-11

Set up New Barrel of 4330 + 7135

4330

7:45 OW 7·3
10:15 OW 7·3
2:45 BB 3-11
5:00 BB 3-11
7:45 BB 3-11
BB 3-1
10:35 BP 11-7
1:35 BP 11-7
4:40 BP 11-7

NALCO 7135 11 - 3 · 82

11:10 OW 7·3
6:30 BB 3-11
8:00 BB 3-11
10:15 BB 3-11

4330

7:20 OW 7·3
11:00 OW 7·3
4:30 BB 3-11
8:40 BB 3-11
12:30 BP 11-7
3:40 BP 11-7

055740

Nalco # 1	10-13-82	4330
12:40 BP 11-7		10:45 BP 11-7
4:00 BP 11-7		2:00 BP 11-7
		5:30 BP 11-7

NALCO #1	10-14-82	4330
9:15 OW 7-3		9:45 OW 7-3
1:15 OW 7-3		2:00 OW 7-3
6:10 BB 3-11		8:55 BB 3-11
11:45 BP 11-7		2:45 BP 11-7
4:45 BP 11-7		

NALCO #1	10-15-82	4330
10:00 OW 7-3		8:00 OW 7-3
2:00 OW 7-3		1:30 OW 7-3
4:00 BB 3-11		7:50 BB 3-11
~~[illegible] BB 3-11~~		12:00 BP 11-7
5:50 BB 3-11		~~[illegible]~~
8:05 BB 3-11		3:15 BP 11-7
11:10 BP 11-7		5:25 BP 11-7
1:45 BP 11-7		
4:00 BP 11-7		

NALCO #1	10-16-82	4330
7:10 BB 2-3		7:5 DC 7-3
10:00 DC 7-3		12:30 DC 7-3
2:05 DC 7-3		4:30 BP 3-11
3:30 BP 3-11		7:35 BP 3-11
7:20 BP 3-11		
9:10 BP 3-11		

C55741

Sodium Aluminate 8-26-82 4330 Polymer

10:00	BB	7-3	8:55	BP	7-3
			5:30	BB	11-7
8-27-82					
			SDM 9:35	BP	7-3
			SDM 10:20	BP	7-3
			primary 1:50	BP	7-3
			4:00	DW	3-11
			1:15	BB	11-7
8-28-82					
			7:45	DW	7-3
			1:15	DW	7-3
8-29-82					
			9:00	DW	7-3
			3:15	BB	3-11
8-30-82					
			11:30	DW	7-3
			5:30	BB	3-11
			10:30	BB	3-11
8-31-82					
			9:00	BB	3-11
			1:00	BP	11-7
			5:00	BP	11-9
9-1-82					
			8:15	DW	7-3
			12:45	DW	7-3
			3:45	BB	3-11

055742

Sodium Aluminate 9-28-82 4330

	9:55	BB	7-3
	2:10	BB	7-3
	5:30	BP	3-11
	12:00	OW	11-7
	6:10	OW	11-7
9-29-82			
	10:45	BB	7-3
	6:45	BP	3-11
	12:00	OW	11-7
	4:30	OW	11-7
9-30-82			
	10:45	BB	7-3
	5:40	BP	3-11
	11:15	OW	7
10-1-82			
	7:10	BB	7-3
	11:30	BB	7-
	8:25	BP	3-4
	2:00	OW	11-7
10-2-82			
	7:10	BP	7-3
	1:00	BP	7-3
	7:45	OW	3-11
10-3-82			
	1:00	BP	7-3
	8:00	OW	3-11

055743

Sodium Aluminate 9-23-82 4330

10:45	OW	7-2
4:55	BB	3-11
8:45	BB	3-11
8:15	OW	7-3
12:00	OW	7-3
5:00	BB	3-11
10:00	BP	11-7

9-24-82

8:00	BB	3-11
1:25	BP	11-7
4:50	BP	11-7

9-25-82

8:55	BB	7-3
11:45	BB	7-3
3:00	BP	3-11
11:35	BP	3-11

9-26-82

11:20	BB	7-3
3:00	BP	3-11
6:30	BP	3-11

9-27-82

9:30	BB	7-3
1:30	BB	7-3
5:00	BP	3-11
8:20	BP	3-11
12:45	OW	11-7
4:30	OW	11-7

055744

055745

Sodium aluminate

9-6-82

5:30	BP	3-11
5:30	BP	3-11
9:15	BP	3-11
12:45	OW	11-7
3:45	OW	11-7

9-8-82

6:55	BB	7-3
10:00	BB	7-3
1:15	BB	7-3
4:20	BP	3-11
7:35	BP	3-11
11:00	OW	11-7
2:00	OW	11-7
5:00	OW	11-7

9-9-82

7:30	BB	7-3
10:35	BB	7-3
1:50	BB	7-3
5:15	BP	3-11
8:00	BP	3-11
11:15	OW	11-7
2:30	OW	11-7
6:10	OW	11-7

4330

4:20	BP	3-11
6:20	BP	3-11
1:15	OW	11-7
5:50	OW	11-7

C55746

Nalco # 1 10-21-82 4330

8:00 BP 3-11

12:00 DW N'7

10-22-82

8:00 DC 7-3

7:30 BP 3:11

3:30 DW 11-7

10-23-82

9:30 BP 7-3

11:40 BP 7-3

3:00 DW 3-11

6:00 DW 3-11

8:10 DW 3-11

10-24-82

9:15 DC 7-3

10:35 BP 7:3

4:00 DW 3-11

7:45 DW 3-11

10-25-82

8:15 BP 7-3

2:00 BP 7-3

5:00 DW 3-11

9:00 DW 3-11

2:30 BB 11-7

5:45 BB 11-7

10-26-82

8:10 BP 7-3

11:00 BP 7-3

1:45 BP 7-3

055747

7135 Polymer			8-22-82	4330 ~~H01~~ Polymer		
9:35	BP	7-3		9:30	BP	7-3
12-05	BP	7-3		11-15	BP	7-3
12-05	H2500 set up	BP	7-3	12-45	BP	7-3
3:30	OW.	3-11		3:00	OW	3-11
6:25	OW	3-11				
9:15	OW	3-11				
			8-23-82			
7:55	BP	7-3		7:55	BP	7-3
				12:15	BP	7-3
			8-24-82			
Sodium Aluminate				7:15	BP	7-3
1-40	BP	7-3		10-15	BP	7-3
3:00	OW	3-11				
6:00	OW	3-11				
9:00	OW	3-11				
12:45	BB	11-7				
4:15	BB	11-7				
			8-25-82			
7-40	BP	7-3		7-10	BP	7-3
11:25	BP	7-3		10:45	BP	7-3
3:00	OW	3-11		5:40	BB	11-7
6:45	OW	3-11				
10:00	OW	3-11				
2:00	BB	11-7				
5:45	BB	11-7				

055748

Sodium Aluminate 4330

9-10-82

9:40	BB	7-3	9:45	BB	7-3
4:40	BP	3-11	12:50	BB	7-3
8:00	BP	3-11	5:50	BP	3-11
11:45	OW	11-7	10:45	OW	11-7
2:45	OW	11-7	3:15	OW	11-7

9-11-82

9:40	OW	3-11	6:50	BP	7-3
			11:15	BP	7-3
			2:10	BP	7-3
			9:50	OW	3-11

9-12-82

2:10	BP	7-3	11:10	BP	7-3
7:15	OW	3:11	3:10	OW	3-11
			8:30	OW	3-11

9-13-82

9:00	BP	7-3	12:00	BP	7-3
11:25	BP	7-3	2:45	OW	3:11
3:20	OW	3-11	5:00	OW	3-11
7:40	OW	3-11	7:30	OW	3-11

9-14-82

9:10	OW	7-3	10:20	OW	7-3
2:00	OW	7-3			

9-15-82

			10:00	BP	7-3

55749

Sodium Aluminate 9-17-82 4330

4:45 BB 11-7

9-18-82

			11:00	OW	7-3
3:20	BB	3-11	3:30	BB	3-11
8:00	BB	3-11			

9-19-82

10:30	OW	7-3	7:45	OW	7-3
4:10	BB	3-11	11:30	OW	7-3
9:15	BB	3-11	7:25	BB	3-11

9-20-82

12:15	OW	7-3	9:15	OW	7-3
5:35	BB	3-11	11:45	OW	7-3
10:40	BP	11-7	2:55	BB	3-11
4:00	BP	11-7			

9-21-82

9:15	OW	7-3	4:30	BP	11-7
3:30	BB	3-11			
9:40	BB	3-11			
4:15	BP	11-7			

9-22-82

10:15	OW	7-3	8:30	OW	7-3
5:00	BB	3-11	1:40	OW	7-3
12:00	BP	11-7	4:20	BB	3-11
5:20	BP	11-7	6:10	BB	3-11
			8:45	BB	3-11
			12:45	BP	11-7
			4:35	BP	11-7

055750

10-4-82 — 4330

9:20 - BP 7-3
2:20 - BP 7-3
5:00 OW 3-11
8:30 OW 3-11
3:00 BB 11-7

10-6-82 4417

5:00 BB 11-7
7:00 BP 7-3
8:00 BP 7-3
8:45 BP 7-3
9:30 BP 7-3
10:15 BP 7-3

10-7-82

4:55 BB 11-7
6:15 BB 11-7

10-8-82

BB 7-3
8:30 BP 7-3
9:15 BP 7-3
9:45 BP 7-3
5:25 BB 11-7

NALCO #1
5:50 BB 3-11

10-9-82 4417

7:00 OW 7-3
8:15 OW 7-3
9:45 OW 7-3

NALCO #1
7:30 OW 7-3

10-10-82 4417

8:15 OW 7-3
9:45 OW 7-3
11:00 OW 7-3

055751

NALCO #1 — 10-10-82 — 4417

4:10 BB 3-11

12:30 OW 7-3

2:00 OW 7-3

NALCO #1 — 10-11-82 — 4417

11:30 OW 7-3

4:30 BB 3-11

7:10 BB 3-11

9:45 BB 3-11

1:00 BP 11-7

4:40 BP 11-7

8:45 OW 7-3

10:00 OW 7-3

11:45 OW 7-3

1:00 OW 7-3

12:50 BP 11-7

1:50 BP 11-7

NALCO #1 — 10-12-82 — FLOXAN 2001

9:00 OW 7-3

12:30 OW 7-3

5:00 BB 3-11

9:15 BB 3-11

1:10 BP 11-7

5:10 BP 11-7

8:30 OW 7-3

8:35 OW 7-3

Added 12 Gal. to each tank to make 22 Gal.

BB 3-11

2:00

2:00 BP 11-7

2:40 BP 11-7

3:00 BP 11-7

3:35 BP 11-7

10-13-82

NALCO #1 — 4330

9:45 OW 7-3

1:00 OW 7-3

4:50 BB 3-11

8:30 BB 3-11

1:40 OW 7-3

1:40 OW 7-3

055752

NALCO #1 — 10-17-82 — 4330

9:55 - DC - 7-3
1:30 - DC - 7-3
5:10 BP 3-11
9:00 BP 3-11

9:30 - DC - 7-3
310 BP 3-11
9:30 BP 3-11

NALCO #1 — 10-18-82 — 4330

10:30 BB 7-3
2:00 BB 7-3
5:30 BP 3-11
8:30 BP 3-11
12:00 OW 11-7
4:00 OW 11-7

6:30 BP 3-11
8:40 BP 3-11
11:30 OW 11-7
2:30 OW 11-7
5:15 OW 11-7

10-19-82

6:50 BP 7-3
10:00 BP 7-3
1:45 BP 7-3
1:30 OW 11-7
3:30 OW 11-7
6:00 OW 11-7

950 BP 7-3
12:30 OW 11-7
5:00 OW 11-7

10-20-82

9:00 DC 7-3
11:45 OW 11-7
4:00 OW 11-7

10:15 - DC - 7-3
1:00 OW 11-7
4:50 OW 11-7

10-21-82

8:30 DC 7-3
11:45 DC 7-3
3:35 BP 3-11

1:00 DC 7-3
9:30 BP 3-11

055753

10-26-82	4330		
	5:30	OW	3-11
	8:30	OW	3-11
10-27-82			
	125	BP	7-3
	5:00	OW	3-11
	9:00	OW	3-11
	3:10	BB	11-7
10-28-82			
	7:00	BP	7-3
	10:00	BP	7-3
	1:35	BP	7-3
	6:00	OW	2-3
	11:20	BB	11-7
	4:35	BB	11-7
12-29-82			
	730	BP	7-3
	11:15	BP	7-3
	5:15	OW	3-11
	9:00	OW	3-11
	1:00	BB	11-7
	4:05	BB	11-7
10-30-82			
	7:00	OW	7-3
	9:00	OW	7-3
	12:30	OW	7-3
	5:20	BB	3-11

055754

NALCO #1 11-7-82 4330

12:10	BB	7-3	10:45	BB	7-3
3:50	BP	3-11	1:05	BB	7-3
7:35	BP	3-11	3:25	BP	3-11
			6:10	BP	3-11
			9:30	BP	3-11

NALCO #1 11-8-82 4330

9:25	BB	7-3	7:40	BB	7-3
12:50	BB	7-3	12:15	BB	7-3
4:00	BP	3-11	2:30	BP	3-11
7:30	BP	3-11			
11:00	OW	11-7			
2:45	OW	11-7			
6:00	OW	11-7			

11-9-82

Nalco #1 Accurac 135

9:00	BP	7-3	7:00	BP	7-3
12:45	BP	7-3	7:00	BP	7-3
2:00	OW	11-7	9:15	BP	7-3
5:00	OW	11-7	11:05	BP	7-3
			1:05	BP	7-3
			4:45	OW	11-7

NALCO #1 11-10-82 Accurac 135

9:10	BB	7-3	8:40	BB	7-3
12:45	BB	7-3	10:45	BB	7-3
7:15	BP	3-11	H2500 5:00	BP	3-
10:45	OW	11-7	3:30	OW	11-7
2:10	OW	11-7			

055755

NALCO #1 — 11-10-82 — ACCURAC 135

6:00 OW 11.7 — 5:45 OW 11.7

NALCO #1 — 11-11-82 — ACCURAC 135

10:15 BB 7-3 — 8:25 BB 7-3

2:20 BB 7-3 — 10:30 BB 7-3

6:20 BP 3-11 — 4:00 OW 11.7

9:45 BP 3-11 — 6:15 OW 11.7

2:10 OW 11.7

6:00 OW 11.7

NALCO #1 — 11-12-82 — ACCURAC 135

10:45 BB 7-3 — 9:10 BB 7-3

3:15 BP 3-11 — 6:00 OW [redacted]

[redacted] — 11-13-82

[redacted] — 8:10 BP 7-3

[redacted] B — 10:10 BP 7-3

11-14-82

7:50 BP 7-3

10:35 BP 7-3

11-15-82

7:00 BP 7-3

9:15 BP 7-3

11:00 BP 7-3

5.25 BB 11-7

11-16-82

11:40 BP 7-3

H 0500 1:00 BP 7-3

1:50 BP 7-3

055756

Nalco # 1 Accurac 135

11-17-82

7:40	BB	7-3
8:10	BP	7-3
9:30	BP	7-3
12:00	BP	7-3

11-18-82

6:50	BP	7-3
8:45	BP	7-3
10:30	BP	7-3

NALCO #1

6:00 OW 3-11

10:00 OW 3-11

2:15 BB 11-7

8:55 BB 11-7

11-19-81

6:45	BP	7-3
9:50	BP	7-3
11:35	BP	7-3
6:20	BB	11-7

11-20-82

8:15	OW	7-3

11-21-82

8:00	OW	7-3
10:00	OW	7-3
9:00	BB	3-11

11-22-82

10:30	OW	7-3

NEW BARREL

#-2500 9:00 7-3

055757

12-5-82

4330

850 BP 7-3

11:40 BP 7-3

3:00 OW 3-11

6:00 OW 3-11

NALCO #1

6:00 OW 3-11

9:00 OW 3-11

12:35 BB 11-7

4:25 BB 11-7

12-6-82

4330

950 BP 7-3

12-7-82

7:30 BP 7-3

10:20 BP 7-3

2:05 BP 7-3

5:00 OW 3-11

8:30 OW 3-11

11:15 BB 11-7 Set up new Barrel of Defoamer

12:15 BB 11-7

4:05 BB 11-7

ACCURAC 135

4:25 BB 11-7

4:30 BB 11-7

12-8-82

7:50 BP 7-3

10:00 BP 7-3

4:00 OW 3-11

7:25 OW 3-11

11:05 BB 11-7

2:50 BB 11-7

055758

7135 12-9-82

11:00 BP 7-3

11:00 BP 7-3

1:00 BP 7-3

3:00 OW 3·11

4:00 OW 3·11

5:30 OW 3·11

7:45 OW 3·11

7135 12-10-82

10:10 BP 7-3

11:35 BP 7-3

12:55 BP 7-3

Nalco 7135 12-12-82

10:20 OW 7·3

12:45 OW 7·3

12·13·82

Accuvac 135

10:00 OW 7·3

9:00 OW 7·3

12:30 OW 7·3

4:45 BB 3-11

12·14·82

8:00 OW 7·3

10.00 OW 7·3

1:10 OW 7·3

5:15 BP 11-7

12·15·82

7:20 OW 7·3

10:00 OW 7·3

2:00 BP 11-7

4:50 BP 11-7

055755

NALCO #1 12-20-82

12:15 OW 11-7
3:50 OW 11-7

12-21-82

6:55 BB 7-3
9:50 BB 7-3
12:45 BB 7-3
4:00 BP 3-11

4330
10:00 BP 3-11
2:15 OW 11-7
5:45 OW 11-7

12-22-82

start 5:00
9:00 BP 3-11
12:30 OW 11-7
3:30 OW 11-7

9:45 BB 7-3
2:00 BB 7-3
6:00 BP 3-11
8:50 BP 3-11
12:00 OW 11-7
4:00 OW 11-7

12-23-82

7:10 BB 7-3
10:15 BB 7-3
1:30 BB 7-3
5:05 BP 3-11
8:00 BP 3-11
11:30 OW 11-7
2:30 OW 11-7
5:30 OW 11-7

7:40 BB 7-3
11:10 BB 7-3
3:00 BP 3-11

12-24-82

8:50 BB 7-3
12:00 BB 7-3

~~8:50 BB 7-3~~
12:35 BB 7-3

Merry Christmas

055760

1-6-83

NALCO #1			ACCURAC 135		
7:35	OW	7-3	9:00	OW	7-3
12:55	OW	7-3	2:20	BP	11-7
4:30	BB	3-11	3:55	BP	11-7
7:40	BB	3-11	5:30	BP	11-7
10:55	BP	11-7			
2:20	BP	11-7			
5:30	BP	11-7			

1-7-83

9:00	OW	7-3	2:30	BP	11-7
			5:20	BP	11-7

1-9-83

8:30	BB	7-3
10:45	BB	7-3
1:00	BB	7-3

1-10-83

9:20	BB	7-3
11:35	BB	7-3
2:15	BB	7-3
4:15	BP	3-11

1-11-83

6:45	BB	7-3
5:45	OW	11-7

1-12-83

7:05	BB	7-3
9:10	BB	7-3

055761

1-21-83	NALCO #1		
	7:30	OW	3-11
	10:45	BB	11-7
	1:35	BB	11-7
	4:40	BB	11-7
1-22-83			
	7:45	OW	7-3
	10:15	OW	7-3
	1:35	OW	7-3
	4:50	BB	3-11
	8:00	BB	3-11
1-23-83			
	10:00	OW	7-3
	1:30	OW	7-3
	5:00	BB	3-11
	8:30	BB	3-11
1-24-83			
	10:40	OW	7-3
	1:40	OW	7-3
	5:20	BB	3-11
	8:25	BB	3-11
	11:30	BP	11-7
	3:15	BP	11-7
	5:45	BP	11-7
1-25-83			
	7:25	OW	7-3

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1-27-83	NALCO # 1	
	2:45	BB 3-11
	6:10	BB 3-11
	9:25	BB 3-11
	12:45	BP 11-7
	3:45	BP 11-7
	6:20	BP 11-7
1-28-83		
	9:15	OW 7-3
	12:30	OW 7-3
	4:00	BB 3-11
	7:10	BB 3-11
	10:15	BB 3-11
	1:15	BP 11-7
	5:14	BP 11-7
1-29-83		
	8:05	BB 7-3
	11:50	BB 7-3
	3:00	BP 3-11
	6:35	BP 3-11
	12:10	BP 3-11
1-30-83		
	11:30	BB 7-3
	3:20	BP 3-11
	6:30	BP 3-11
	9:30	BP 3-11

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4-18-83

4330

5:45 BB 3-11
6:45 BB 3-11
9:00 BB 3-11

4-19-83

7:15 OW 7-3
8:40 OW 7-3
10:00 OW 7-3
11:45 OW 7-3
6:00 BB 3-11
8:15 BP 11-7

4-28-83

ACCURAC 135

4:45 OW 11-7.
4:15 OW 11-7

4-30-83

5:00 OW 3-11

5-3-83

2:00 BB 11-7
4:00 BB 11-7

5-4-83

1:40 BB 11-7
3:30 BB 11-7
5:30 BB 11-7

5-5-83

9:00 BP 7-3
7:00 OW 3-11
3:00 BB 11-7

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4330 6-26-83

8:55 BB 7-3
11:30 BB 7-3
2:30 BP 3-11
5:00 BP 3-11
7:20 BP 3-11

6-27-83

1:40 BB 7-3
4:00 BP 3-11
6:00 BP 3-11
9:00 BP 3-11
11:00 OW 11-7
2:00 OW 11-7
4:15 OW 11-7

6-28-83

7:30 BB 7-3
10:00 BB 7-3
12:40 BB 7-3
3:00 BP 3-11
6:00 BP 3-11
8:30 BP 3-11
10:45 OW 11-7
1:15 OW 11-7
4:00 OW 11-7

6-29-83

7:20 BB 7-3
10:15 BB 7-3
12:10 BB 7-3

4330 6-29-83

3:00 BP 3-11
5:30 BP 3-11
8:00 BP 3-11
10:30 OW 11-7
1:45 OW 11-7
5:00 OW 11-7

6-30-83

9:00 BB 7-3

7-9-83

8:30 BP 7-3
8:30 BP 7-3
10:40 BP 7-3
1:00 BP 7-3
4:45 BB 3-11
7:40 BB 3-11
10:20 BB 3-11

7-10-83

9:30 BP 7-3
12:00 BP 7-3
3:00 BB 3-11
5:00 BB 3-11
8:10 BB 3-11

7-11-83

8:00 OW 7-3
10:45 OW 7-3
1:40 OW 7-3

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PUMPS – P-1, P-2 Primary S-1, S-2 Secondary Clarifier D-1, D-2 Dewatering Plant

SLUDGE PUMPING

DATE	TIME START	TIME OFF	PUMP	GPM	TIME PUMPED	SW RW H_2S CONTENT	OPERATOR	% CONSISTENCY
8-29-83	2:30	3:45	P-2		1:15		Weaver 11-7	
8-30-83	2:45	4:05	P-2		1:20		Patterson 3-11	
8-30-83	6:30	9:15	P-2		2:45		Patterson 3-11	
8-30-83	11:00	4:30	D-1		5:30	1:45 0.3 0.1	Weaver 11-7	
8-30-83	1:45	3:15	P-2		1:30		Weaver 11-7	
8-31-83	5:30	7:00	P-2		1:30		Patterson 3-11	
8-31-83	11:15	3:25	D-1		4:10	1:25 0.0 0.0	Weaver 11-7	
8-31-83	11:25	3:00	S-1		3:35		Weaver 11-7	
8-31-83	12:40	1:30	P-2		:50		Weaver 11-7	
9-1-83	6:30	8:00	P-2		1:30		Patterson 3-11	
9-1-83	11:30	12:30	P-2		1:00		Weaver 11-7	
9-1-83	12:00	3:15	D-1		3:15	2:00 0.1 0.1	Weaver 11-7	
9-1-83	2:15	2:35	P-2		:20		Weaver 11-7	
9-2-83	4:00	5:30	P-2		1:30		Patterson 3-11	
9-2-83	10:30	11:10	P-2		:40		Weaver 11-7	
9-2-83	11:30	2:50	D-1		3:20		Weaver 11-7	
9-2-83	11:25	1:40	S-2		2:05	1:30 0.3 0.0	Weaver 11-7	
9-2-83	1:35	2:15	P-2		:40		Weaver 11-7	
9-3-83	12:15	1:15	P-2		1:00		Patterson 7-3	
9-3-83	6:40	8:00	P-2		1:20		Weaver 3-11	
9-4-83	6:30	11:35	D-1			8:00 0.7 0.1	Patterson 7-3	
9-4-83	7:50	11:15	P-2				Patterson 7-3	
9-4-83	10:15	11:15	S-2				Patterson 7-3	
9-4-83	8:00	9:00	P-2		1:00		Weaver 3-11	
9-5-83	6:30	9:15	P-2		2:45		Patterson 7-3	
9-6-83	7:00	11:45	D-1			4:10 0.0 0.1	Patterson 7-3	
83	8:30	12:45	P-2				Patterson 7-3	

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