2. To: (Receiving Organization) Remote System and Sensor Applications		3. From: (Originating Organization) Remote System and Sensor Applications		4. Related EDT No.: N/A	
5. Proj./Prog./Dept./Div.: Sensor/Analytical Technology Projects		6. Cog. Engr.: F. R. Reich		7. Purchase Order No.: N/A	
8. Originator Remarks: Approval/Release				9. Equip./Component No.: N/A	
				10. System/Bldg./Facility: N/A	
11. Receiver Remarks:				12. Major Assm. Dwg. No.: N/A	
				13. Permit/Permit Application No.: N/A	
				14. Required Response Date: N/A	

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Approval Designator	Reason for Transmittal	Originator Disposition	Receiver Disposition
1	WHC-SD-WM-DP-231		0	Operating Data to In-Tank Solidification (ITS)-2 for January 1 to October 10, 1974	N/A	3	6	6
2	WHC-SD-WM-DP-232		0	241-SX Sludge Profile Temperatures for March 1 to December 29, 1972	N/A	3	6	6

16. KEY									
Approval Designator (F)		Reason for Transmittal (G)				Disposition (H) & (I)			
E, S, Q, D or N/A (see WHC-CM-3-5, Sec. 12.7)		1. Approval 2. Release 3. Information		4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)		1. Approved 2. Approved w/comment 3. Disapproved w/comment		4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged	
17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)									
(G)	(H)							(G)	(H)
Reason	Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date	(M) MSIN
1/3	1/6	Cog. Eng. F. R. Reich	See Blk. 18	L5-55		Central Files		A3-88	3
1/3	1/6	Cog. Mgr. D. S. Dutt	<i>D. S. Dutt</i>	N1-21					
				9-19-96					
18. <i>F. R. Reich</i> F. R. Reich Signature of EDT Originator		19. <i>D. S. Dutt</i> D. S. Dutt Authorized Representative		20. <i>D. S. Dutt</i> D. S. Dutt Cognizant Manager		21. DOE APPROVAL (if required) Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments			
Date 9/20/96		Date 9-19-96		Date 9-19-96					

241-SX Sludge Profile Temperatures for March 1 to December 29, 1972

F. R. Reich

Westinghouse Hanford Company, Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-87RL10930

EDT/ECN: 618450

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Key Words: 241-SX, Sludge Profile Temperatures

Abstract: Data sheets containing 241-SX sludge profile temperatures.

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Laurie Bishop
Release Approval

9-24-96
Date

Release Stamp

Approved for Public Release

12-18-72

Ron → RBZ

These are just two examples of what I started supplying over. Attached to each is a reading taken last March for the same latitude. I think you'd agree that it's an operator reading error.

If you'd put them in Randy's bag, they'll find their way home.

$0.250 \rightarrow 0.130$ $1 \frac{1}{2} 10\text{KA}$ $3 \frac{1}{2} 10\text{KA}$

109BX $\rightarrow$ 104TX

3.14159

	<u>12-14</u>	<u>11-9</u>	<u>A</u>	<u>#</u>	<u>Z</u> <u>Loc</u>
	1 - 240	224	+16	1	1
	5 - 252	265	-7	2	
	6 - 250	252	-2	2	2
	10 - 245	250	-5	3	2
35' 13 - 250	250	250	0	4	
	14 - 256	257	-1	4	2
	15 - 230	238	-8	4	3
	17 - 257	255	+2	5	
	18 - 250	245	+5	5	2
	19 - 235	235	0	5	3
	21 - 250	240	+10	6	
22 - 150	150	147	+3	1	
23 - 188	188	175	+13	1	3
24 - 185	185	200	-15	2	
25 - 180	180	204	-24	3	
26 - 196	196	200	-4	4	
27 - 195	195	200	-5	5	
28 - 195	195	188	+7	6	3
29 - 165	165	170	-5	6	
30 - 185	185	185	0	7	2
31 - 145	145	152	-7	7	3
32 - 135	135	137	-2	7	
33 - 190	190	195	-5	8	2
34 - 150	150	175	-25	8	3
35 - 135	135	145	-10	8	

1-240	224	+16	4-150	147	+3
5-252	265	-7	8-185	200	-15
9-255	258	-3	12-180	204	-24
13-230	250	0	16-196	200	-4
17-257	255	+2	20-195	200	-5
21-250	240	+10	24-165	170	-5
25-215	210	+5	28-135	137	-2
29-223	212	+11	32-135	145	-10

BEST AVAILABLE COPY

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date _____

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0115
Date 12/29/12

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	151	240	144	135	165
2	137	211	100	94	165
3	110	175	74	80	155
4	90	150	51	78	135
5	115	260	151	154	137
6	107	247	126	130	132
7	93	222	84	85	117
8	80	185	56	77	99
9	100	252	168	165	169
10	85	243	140	129 (27)	172
11	73	217	87	80	168
12	65	180	50	76	150
13	105	248	165	131	149
14	92	255	132	81	147
15	75	227	76	75	137
16	67	187	50	75	119
17	97	255	154	145	137
18	85	247	130	121	136
19	73	229	75	81	133
20	65	192	53	77	127
21	147	244	140	NG	136
22	130	218	114	—	127
23	105	184	90	—	113
24	90	155	65	82	99
25	105	212	77	143	140
26	88	187	60	118	136
27	75	149	51	81	120
28	67	137	49	77	100
29	125	224	137	161	140
30	105	188	124	117	100
31	85	139	57	75	110
32	73	136	50	75	90

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 2170
Date 12/28/72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	153.10	240	145	135	165 ¹⁰
2	132	210	100	95	165 ^v
3	110	173	73	80	153
4	90	148	52	78	133
5	115	260	150	155	137
6	108	247	124	129	131
7	93	223	83	85	116
8	80	185	53	77	98
9	100	252	167 ¹⁰	165 ¹⁰	163
10	85	243	138	129	167
11	73	217	88	82	162
12	65	180	50	77	150
13	109	248	165	127	147
14	93	255	132	82	147
15	75	217	76	77	137
16	70	188	50	77	118
17	99	253	154	145	137
18	85	248	127	121	137
19	75	230	75	82	133
20	65	192	54	78	127
21	145	243	140	NG	137
22	130	218	113	NG	127
23	110	183	91	NG	113
24	93	155	67	NG	98
25	107	212	77	143	140
26	90	183	60	117	136
27	75	149	52	80	120
28	67	135	50	77	100
29	125	223	137	175	140
30	107	190	123	115	127
31	NG	140	58	76	110
32	75	136	57	76	90

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0100
Date 12/27/82

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	152	240	145	134	165
2	130	212	100	99	165
3	110	173	75	80	154
4	90	146	55	77	135
5	115	260	150	155	137
6	107	248	125	129	132
7	93	222	82	85	115
8	80	185	55	77	99
9	100	252	170	163	162
10	85	244	137	127	166
11	70	217	90	82	162
12	65	180	52	77	150
13	105	248	165	130	147
14	90	255	80	82	147
15	75	229	76	76	137
16	68	189	52	76	118
17	96	255	152	145	132
18	83	249	129	120	132
19	73	232	75	82	128
20	66	192	55	77	122
21	145	245	140	75	137
22	128	218	112	120	127
23	109	182	90	95	113
24	90	157	70	85	98
25	105	213	75	142	141
26	88	182	60	117	137
27	75	145	54	80	120
28	69	135	52	77	100
29	125	223	135	160	140
30	105	190	123	115	127
31	85	145	60	75	110
32	73	135	53	75	90

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1040Date 12-21-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	151	240	147	135	165
2	130	215	98	95	165
3	107	180	70	80	155
4	87	150	50	77	135
5	113	260	152	155	137
6	105	250	125	130	127
7	90	223	80	184	117
8	75	185	50	75	100
9	95	253	170	165	164
10	—	243	138	127	167
11	65	218	85	80	164
12	60	180	50	75	151
13	103	245	165	130	148
14	87	255	130	80	148
15	70	226	73	75	137
16	62	187	50	75	120
17	92	255	155	145	137
18	79	247	127	120	137
19	65	227	73	80	133
20	60	192	50	75	127
21	145	245	140	230 230	137
22	125	222	—	230 230	127
23	105	185	90	—	114
24	87	158	73	—	98
25	100	213	75	143	140
26	83	183	55	115	137
27	68	145	50	77	121
28	62	135	47	75	100
29	120	222	137	—	141
30	103	190	123	115	110
31	—	145	56	75	110
32	67	137	50	75	90

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0935
Date 12-14-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	152	240	150	133	165
2	130	220	95	90	165
3	100	188	60	74	155
4	75	150	35	71	136
5	115	252	155	156	139
6	104	250	125	127	133
7	—	223	75	79	120
8	68	185	35	70	100
9	90	255	170	165	165
10	70	245	140	125	168
11	55	220	81	74	165
12	45	180	27	70	152
13	100	250	167	130	148
14	80	256	130	75	150
15	60	230	63	70	140
16	50	196	32	70	121
17	90	257	157	145	140
18	72	250	127	120	140
19	57	235	62	78	135
20	47	195	35	73	130
21	146	250	140	—	140
22	126	225	115	—	130
23	100	195	85	90	117
24	76	165	54	77	100
25	100	215	54	145	142
26	76	185	4	115	138
27	60	145	32	75	125
28	50	135	30	71	103
29	119	223	140	177	143
30	100	190	123	114	131
31	—	150	41	70	115
32	51	135	35	70	94

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1330Date 12-7-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	157	240	153	140	167
2	135	217	102	86	167
3	106	186	70	80	160
4	—	150	48	75	140
5	120	262	159	161	140
6	109	250	131	135	135
7	91	225	83	95	122
8	—	186	50	77	105
9	98	255	175	168	165
10	—	245	145	130	220
11	—	220	91	80	166
12	50	182	45	76	155
13	107	250	172	135	150
14	87	157	137	83	150
15	68	134	74	75	143
16	55	194	45	76	125
17	95	257	161	150	140
18	79	250	135	125	140
19	63	233	72	85	138
20	52	195	50	80	131
21	151	250	145	—	141
22	—	226	119	—	128
23	108	196	103	—	120
24	85	168	62	—	108
25	102	214	76	150	145
26	83	185	53	120	140
27	65	150	45	82	127
28	54	135	44	78	107
29	125	224	146	155	145
30	105	192	130	120	135
31	76	158	53	75	120
32	62	136	45	74	100

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1750Date 12/6/72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	157✓		151	140	168✓
2	135		102	100	168
3	106		72	80	160
4	82		48	78	140
5	120		159	162	141
6	110		132-82	135	136
7	100		85	85	125
8	NG		50	78	105
9	NC		125✓	168✓	166
10	NG		147	132	170
11	✓		94	80	167
12	50		49	77	156
13	105		173	135	150
14	87		89	82	150
15	67		75	78	145
16	55		47	78	126
17	95		162	150	141
18	79		135	127	141
19	64		75	86	140
20	54		50	80	132
21	150		148	NG	141
22	130		121	✓	133
23	107		97	✓	120
24	86		65	✓	105
25	102		NG	150	145
26	82		55	124	142
27	66		49	83	127
28	55		47	80	106
29	126		146	155	145
30	105		130	120	135
31	76		55	76	118
32	64		47	75	100

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0245Date 12/1/72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	160		154	141	168
2	137		106	100	168
3	110		76	85	160
4	86		55	83	142
5	120		160	162	142
6	112		83	136	137
7	95		90	91	124
8	79		55	82	105
9	100		175	169	166
10	82		149	133	170
11	65		99	86	167
12	55		105 54	81	156
13	110		173	136	150
14	90		140	87	150
15	72		80	81	143
16	60		51	81	126
17	100		162	150	140
18	80		136	127	140
19	68		79	88	138
20	58		55	85	132
21	150		148	NG	141
22	135		122	"	132
23	110		99	"	120
24	88		70	"	105
25	105		77	150	145
26	88		60	125	142
27	73		52	87	127
28	60		51	83	107
29	126		147	N. 145G	145
30	107		132	123	135
31	85		61	80	118
32	68		52	80	100

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0300Date 11/30/22

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	160 x	111	155	142	168
2	135		107	102	168
3	112		77	87	160
4	87		55	85	141
5	120		160	163	141
6	114		135	137	138
7	96		90	93	125
8	80		57	85	107
9	100		126 x (80)	170 x (80)	166 (76)
10	84		150	135	170 x
11	76		100	87	167
12	54		55	85	157
13	110		124	139	150
14	90		142	88	150
15	70		82	83	144
16	60		53	83	126
17	100		163	150	141
18	80		137	130	141
19	70		80	90	139
20	67		56	85	133
21	150		149	NC	143
22	135		124	11	134
23	110		100	11	121
24	90		70	11	105
25	105		79	150	145
26	90		62	125	142
27	70		55	88	128
28	60		54	84	108
29	127		147	84	146
30	108		132	125	135
31	82		62	80	119
32	70		55	80	100

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1330
Date 11-30-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	160✓	237	155	140	165
2	137	215	105	100	169✓
3	110	177	76	85	160
4	85	145	55	83	140
5	121	263✓	160✓	162	141
6	112	250	133	135	135
7	95	125	89	90	123
8	80	188	56	88	105
9	100	255	125	170✓	165
10	83	245	150	133	170✓
11	68	222	96	85	167
12	59	185	55	83	156
13	110	250	174✓	137	150
14	92	257	140	87	150
15	73	240	80	82	143
16	62	195	53	82	125
17	100	258	162	151	141
18	—	250	135	128	141
19	70	235	80	88	137
20	60	195	56	84	133
21	154	250	158	—	142
22	135	223	120	—	133
23	112	193	100	—	120
24	90	160	70	—	105
25	108	215	83	150	145
26	88	185	60	125	141
27	73	150	53	87	127
28	62	135	51	83	107
29	130	227	145	—	145
30	110	200	130	123	136
31	82	167	61	81	118
32	70	138	55	81	100

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 11/29
Date 0220

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	160		155	140	164
2	138		107	100	164
3	112		78	85	160
4	88		55	85	142
5	124		160	162	142
6	115		135	136	138
7	95		90	90	125
8	80		55	83	107
9	100		126	120	167
10	85		150	135	170
11	70		100	85	165
12	58		54	80	157
13	112		174	139	150
14	93		140	88	150
15	75		80	80	143
16	NG		50	81	125
17	100		162	150	142
18	85		135	134	142
19	NG		80	88	140
20	50		55	82	133
21	154		150	NG	143
22	135		120	"	134
23	112		100	"	120
24	90		70	"	107
25	107		80	150	145
26	88		60	125	142
27	75		55	87	128
28	60		50	85	108
29	130		145	162	145
30	110		130	75	135
31	83		60	80	120
32	20		55	80	100

14

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 11-28-72Date 0115

Point No.	Temperature °F			
	109-SX	107-SX	108-SX	1125-X
1	168	155	142	160 ✓ 71
2	168	107	101	137
3	160	78	86	110
4	141	57	84	87
5	142	160	163	122
6	136	134	136	112
7	124	90	92	95
8	105	58	84	80
9	166	170 ✓ 77	176 ✓ 80	170 ✓ 77
10	170 ✓ 77	149	134	84
11	167	99	87	68
12	157	55	83	58
13	150	174	137	110
14	143	140	87	92
15	145	81	81	73
16	141	54	82	63
17	141	163	151	99
18	138	135	127	85
19	133	80	88	70
20	143	58	83	60
21	133	147	38	152
22	120	120	125	134
23	105	100	100	110
24	145	70	89	90
25	142	84	150	107
26	127	63	125	87
27	107	55	87	72
28	145	53	83	61
29	134	146	162	127
30	118	132	124	108
31	100	63	82	82
32		56	81	70

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0130Date 11-27-72

Point No.	Temperature °F			
	109	107-SX	108-SX	112 114
1	167	165	140	140 236
2	168✓	111	100	136 212
3	160	73	85	110 181
4	141	57	83	86 146
5	141	159	162	121 263✓
6	136	133	135	112 249
7	123	90	90	95 224
8	105	57	83	80 190
9	168	175✓	188✓	100 255
10	170	148	133	75 246
11	167	96	86	67 224
12	156	55	83	60 186
13	150	173	136	110 250
14	150	140	87	91 256
15	143	80	82	73 235
16	125	55	82	63 194
17	142	162	150	100 257
18	142	135	126	83 249
19	137	80	84	70 234
20	133	57	84	60 196
21	143	147	129	158 248
22	133	120	123	135 227
23	120	100	99	110 199
24	105	72	87	90 169
25	145	83	150	105 215
26	142	63	125	87 187
27	127	56	86	72 150
28	107	65	83	62 135
29	146	145	160	129 226
30	135	131	123	107 202
31	117	63	81	81 168
32	100	56	80	69 137

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1:00Date 11-9-72

Point No.		Temperature °F				
		112	114	107-SX	108-SX	109
1	1	165	224	198	145	170
2	2	145	200	112	105	170
3	3	118	175	83	95	162
4	4	95	147	62	89	145
5	5	128	265	153	165	144
6	6	118	252	137	145	139
7	7	102	235	95	95	125
8	8	80	200	63	88	110
9	9	107	258	179	170	167
10	10	90	250	150	137	170
11	11	75	238	100	92	168
12	12	65	204	60	87	158
13	13	118	250	176	140	152
14	14	—	257	145	92	153
15	15	—	238	85	86	145
16	16	68	200	60	87	130
17	17	105	255	165	154	145
18	18	90	245	145	131	145
19	19	75	235	85	93	140
20	20	67	200	63	89	135
21	21	—	240	150	—	145
22	22	108	213	125	—	137
23	23	—	188	103	—	125
24	24	96	170	75	—	110
25	25	113	210	67	153	147
26	26	95	185	63	180	145
27	27	78	152	60	93	130
28	28	68	137	60	88	112
29	29	135	212	150	163	148
30	30	115	195	135	127	137
31	31	88	175	68	85	122
32	32	75	145	60	85	104

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0900
Date 11-17-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	164	230	157	144	169
2	141	207	111	105	170
3	115	180	83	95	160
4	92	145	63	93	142
5	126	265	162	165	142
6	117	250	136	138	134
7	100	230	95	95	125
8	84	195	62	88	108
9	—	257	178	170	167
10	—	250	150	137	170
11	74	230	100	92	168
12	65	193	60	87	158
13	115	250	175	140	150
14	96	257	143	91	150
15	78	240	85	85	145
16	68	195	60	86	127
17	103	255	164	152	142
18	88	248	139	130	142
19	75	235	85	92	140
20	67	198	63	88	135
21	157	245	150	—	144
22	137	222	125	—	135
23	115	198	103	—	122
24	95	173	75	—	107
25	110	215	88	150	145
26	92	187	68	127	142
27	76	150	60	90	130
28	67	137	60	88	110
29	133	220	150	163	145
30	115	200	135	126	137
31	88	171	68	85	120
32	75	140	60	86	—

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0100
Date 11/3/72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	167	222	159	145	169
2	145	184	115	108	170
3	118	136	86	95	162
4	95	136	65	92	146
5	129	275	164	165	145
6	121	265	140	140	140
7	105	237	98	100	127
8	87	207	65	91	112
9	109	221	181	173	167
10	102	262	154	140	172
11	75	241	105	96	169
12	66	216	64	91	159
13	117	262	177+	142	150
14	100	213	146	96	151
15	99 NC	245	87	90	146
16	NC	208	62	90	130
17	105	270	167	155	144
18	90	263	141	131	144
19	76	250	86	96	141
20	67	218	65	91	136
21	190	237	150	NC	140
22	135	201	126	"	136
23	118	150	105	"	125
24	96	136	77	"	112
25	116	208	88	152	146
26	96	174	70	130	145
27	80	141	62	95	131
28	70	136	61	92	113
29	135	182	150	163	149
30	116	135	137	128	137
31	90	135	70	90	123
32	76	135	63	90	106

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1000Date 11-2-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	168	222	160	145	170
2	145	185	115	108	171
3	120	135	85	93	163
4	95	135	63	91	145
5	130	277	165	165	144
6	120	265	140	140	140
7	104	239	96	100	127
8	87	206	63	90	112
9	110	270	180	172	167
10	90	262	154	140	171
11	75	241	103	94	168
12	65	215	61	90	160
13	118	265	177	142	152
14	100	275	146	95	152
15	80	245	87	89	145
16	65	208	60	89	130
17	105	272	167	154	143
18	90	267	140	131	143
19	75	245	85	95	140
20	65	218	63	90	135
21	160	237	150	—	145
22	100	201	125	—	135
23	118	150	105	—	125
24	96	135	75	—	110
25	115	208	89	154	146
26	95	174	68	130	145
27	78	142	60	93	130
28	67	135	58	90	113
29	135	176	151	165	150
30	118	135	137	129	138
31	—	135	68	89	124
32	76	135	60	90	107

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0130
Date 11-2-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	168 ^v	221	160	145	169
2	145	183	114	109	121
3	119	136	85	95	162
4	95	136	64	92	146
5	129	274	164	166	145
6	122	265	140	141	140
7	105	238	98	100	126
8	86	209	65	91	112
9	110	270	181 ^v	173 ^v	167
10	90	262	154	140	172 ^v
11	75	242	105	95	168
12	65	215	61	90	158
13	119	265	177 177	143	151
14	100	215 ^v	146	96	152
15	80	245	87	88	146
16	68	208	60	90	130
17	105	273	166	154	144
18	92	267	142	131	145
19	76	247	86	96	141
20	65	217	62	91	136
21	162	237	150	NG	145
22	NG	208	125	"	137
23	119	150	105	"	125
24	99	138	74	"	112
25	115	208	89	154	147
26	97	175	70	131	146
27	79	142	61	95	131
28	NG	136	60	91	115
29	136	181	150	165	149
30	118	136	137	130	138
31	90	136	70	87	125
32	76	135	60	87	106

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0135
Date 11/1/72 mll.

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	167	221	160	145	169
2	144	183	115	107	170
3	119	136	135	92	162
4	95	136	62	90	146
5	130	225	165	165	145
6	120	265	140	145	140
7	101	238	98	99	136
8	86	207	64	90	111
9	110	220	180	122	167
10	91	262	154	138	171
11	75	240	104	92	168
12	65	215	60	90	159
13	119	265	178	142	152
14	100	224	147	94	153
15	80	245	87	90	146
16	69	208	60	90	130
17	106	224	167	152	145
18	90	266	140	132	144
19	76	246	85	95	142
20	65	216	62	91	136
21	162	236	150	Ng	146
22	143	200	125	✓	136
23	115	149	105	✓	125
24	99	136	76	✓	112
25	115	208	89	154	147
26	97	174	67	131	146
27	79	142	60	94	132
28	65	135	59	90	114
29	135	180	150	165	149
30	115	135	137	78	139
31	88	135	67	86	125
32	76	135	60	86	107

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 015 33N
Date 10/31/92

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	168	220	160	146	169
2	145	182	115	107	170
3	120	136	85	91	163
4	95	135	60	90	146
5	129	276	165	166	144
6	124	265	140	142	140
7	105	238	99	100	127
8	88	207	61	90	112
9	110	270	181	173	167
10	92	262	154	140	172
11	75	240	105	92	169
12	65	215	57	87	160
13	119	266	178	144	152
14	102	275	147	93	154
15	82	245	87	87	147
16	66	209	57	87	131
17	105	273	167	155	144
18	90	267	142	132	144
19	76	246	85	95	142
20	65	217	60	90	136
21	162	237	150	NG	145
22	142	200	127	—	137
23	137	150	106	—	125
24	100	137	74	—	112
25	115	208	90	155	147
26	95	175	67	131	145
27	79	142	59	94	132
28	61	136	57	90	115
29	137	180	150	164	149
30	117	136	138	130	139
31	90	136	66	86	126
32	75	135	57	86	107

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0150Date 10/31/22

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	168	221	160	145	169
2	145	182	115	109	170
3	126	138	86	92	163
4	100	136	61	91	145
5	130	275	165	165 165	145
6	124	265	140	140	140
7	105	240	100	106	127
8	90	207	62	90	110 110
9	113	270	181	173	167
10	94	263	155	140	172
11	77	242	105	93	169
12	65	215	60	88	159
13	120	265	178	144	151
14	100	275	148	95	154
15	80	245	87	87	149
16	NC	210	58	87	132
17	107	274	162	155	145
18	93	267	143	132	145
19	78	247	85	95	142
20	68	217	62	93	137
21	163	237	152	NC	146
22	144	202	126	—	137
23	NC	150	110	—	126
24	100	137	77	—	117
25	115	210	90	155	148
26	100	175	68	132	146
27	82	143	60	94	137
28	68	136	58	90	115
29	138	182	151	165	149
30	120	136	139	130	140
31	93	136	67	87	125
32	80	135	60	87	107

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241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1340Date 10-26-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	169	220	160	146	170
2	147	183	115	120	120
3	122	135	94	95	163
4	100	135	70	94	146
5	132	277	165	165	144
6	123	265	140	141	140
7	107	237	100	100	127
8	91	207	70	93	112
9	113	270	181	174	167
10	95	260	155	141	171
11	80	240	107	97	169
12	71	213	68	93	160
13	121	267	180	144	151
14	103	275	150	97	152
15	83	240	90	92	145
16	75	212	67	92	135
17	109	270	165	155	145
18	94	265	142	132	142
19	80	245	90	96	140
20	73	215	70	92	135
21	—	236	151	—	145
22	145	200	127	—	135
23	120	147	109	—	125
24	100	135	82	—	112
25	119	207	—	154	146
26	100	174	73	131	145
27	83	145	66	95	131
28	75	135	65	92	115
29	140	180	152	165	150
30	120	135	140	130	140
31	95	135	75	91	125
32	81	135	68	92	107

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1620
Date 10-20-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	170	216	161	147	170
2	150	177	118	110	171
3	125	135	90	97	163
4	100	135	70	95	152
5	132	277	165	165	145
6	124	265	142	142	140
7	—	237	101	100	128
8	92	207	72	95	118
9	115	270	182	174	162
10	95	255	155	142	172
11	80	240	108	100	169
12	74	212	70	95	160
13	123	267	180	145	152
14	105	276	150	98	152
15	—	245	93	92	145
16	—	212	70	92	130
17	110	276	163	155	145
18	95	265	143	133	144
19	82	242	91	97	140
20	75	215	71	93	135
21	—	235	152	—	145
22	—	200	127	—	135
23	122	145	110	—	125
24	100	135	83	—	112
25	118	210	95	155	146
26	100	174	75	132	145
27	85	141	68	96	131
28	75	135	67	94	115
29	140	185	153	—	150
30	126	135	140	126	137
31	96	135	72	92	125
32	83	135	70	93	109

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241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1420
Date 10-12-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	182	220	161	146	170
2	150	180	120	110	171
3	125	135	90	98	163
4	105	135	75	95	148
5	120	277	165	165	144
6	125	265	143	143	140
7	110	235	103	103	127
8	95	205	75	95	115
9	115	270	183	174	167
10	100	260	156	141	171
11	83	235	110	100	169
12	75	210	70	95	160
13	125	270	180	145	150
14	106	277	150	100	152
15	87	247	95	92	146
16	79	215	70	92	130
17	113	271	168	135	145
18	97	262	145	133	144
19	83	240	92	98	140
20	76	212	75	93	135
21	168	229	152	NG	144
22	150	190	130	NG	135
23	125	140	110	NG	125
24	105	135	85	NG	113
25	120	210	NG	155	115
26	102	175	75	133	145
27	85	145	70	98	132
28	77	135	68	94	115
29	145	187	155	NG	150
30	125	135	140	130	125
31	100	135	80	92	110
32	85	135	73	93	NG

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1430
Date 10-5-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	170	220	162	147	170
2	150	180	120	112	171
3	128	135	97	100	163
4	107	135	75	95	147
5	135	227	165	165	145
6	125	265	145	142	140
7	110	235	105	92	130
8	95	205	75	95	115
9	117	267	185	175	167
10	100	258	157	142	170
11	95	235	110	100	169
12	77	207	75	95	160
13	127	268	180	145	151
14	107	272	150	100	152
15	89	250	95	93	146
16	—	217	75	93	131
17	113	270	170	155	145
18	100	260	145	133	144
19	85	237	95	97	140
20	77	210	75	93	135
21	180	225	—	—	145
22	150	200	130	—	137
23	125	140	117	—	126
24	105	135	85	—	115
25	125	210	97	155	146
26	103	175	79	132	145
27	85	140	70	97	133
28	80	135	70	93	115
29	145	190	155	165	150
30	125	135	142	131	140
31	100	135	180	193	125
32	80	135	75	94	110

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0100
Date 10/6/92 7/11

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	172	221	163	149	170
2	150	155	121	113	171
3	129	136	94	100	164
4	112	135	73	99	149
5	135	277	166	167	145
6	127	265	144	144	142
7	112	237	108	103	130
8	100	206	75	95	115
9	118	270	183	175	162
10	100	258	159	144	172
11	84	236	112	100	169
12	75	208	66	93	160
13	125	270	181	146	152
14	110	278	151	99	154
15	90	250	96	93	148
16	77	217	68	93	132
17	115	271	169	156	144
18	100	260	146	135	145
19	85	238	95	100	143
20	75	212	73	96	136
21	168	232	NC	NC	146
22	150	195	11	11	138
23	125	140	114	11	127
24	105	136	86	11	115
25	125	212	116	155	148
26	106	175	77	135	147
27	87	142	71	98	134
28	75	135	70	96	117
29	145	187	155	166	150
30	127	136	142	132	140
31	100	136	77	92	126
32	86	135	71	92	112

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 00 40
Date 10/5/72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	172	220	162	148	170
2	150	180	120	115	170
3	127	135	93	100	171 163
4	107	135	75	97	149
5	135	277	167	167	145
6	126	245	145	145	142
7	110	237	105	103	130
8	95	205	75	95	116
9	117	270	183	175	168
10	100	258	158	145	172
11	85	235	112	100	169
12	75	208	72	95	161
13	125	270	181	145	152
14	108	277	151	100	155
15	89	250	99	95	149
16	79	217	73	96	133
17	110	271	169	157	145
18	100	261	146	135	145
19	85	238	95	100	143
20	75	211	75	96	137
21	168	232	154	106	146
22	200	196	130	1	140
23	175	140	115	1	127
24	105	135	86	1	116
25	125	212	99	156	148
26	105	175	80	134	146
27	87	143	73	100	135
28	77	135	72	95	117
29	144	188	155	166	150
30	125	136	142	132	140
31	100	132	81	85	126
32	86	132	75	95	112

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241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 10/3/82 m 14Date 0045

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	171	220	162	149	169
2	150	181	120	115	171 v
3	126	134	95	100	144
4	107	136	76	99	149
5	135	217	166	167	146
6	127	265	144	145	141
7	110	237	106	105	130
8	97	205	76	99	117
9	112	269	183 v	174 1	167
10	100	258	158	145	172
11	87	235	112	100	169
12	77	208	75	79	161
13	127	269	181	146	151
14	110	277	150	100	153
15	90	249	100	95	149
16	80	217	75	76	132
17	114	270	169	156	145
18	100	260	146	135	145
19	85	237	96	100	142
20	77	210	76	97	137
21	169	232	154	NG	146
22	125	195	130	"	140
23	127	140	115	"	127
24	105	135	87	"	115
25	125	212	100	156	148
26	104	175	82	135	147
27	87	143	76	100	135
28	80	135	75	97	117
29	144	188	155	166	150
30	126	136	142	132	140
31	100	136	81	75	126
32	86	136	75	96	112

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0120Date 10/3/92

27/11

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	170	220	163	149	176
2	150	180	120	114	171
3	138	135	95	100	164
4	107	135	75	99	149
5	136	277	167	167	145
6	127	265	145	145	141
7	110	237	107	105	130
8	95	205	95	99	115
9	118	268	184✓	175✓	168
10	100	258	158	146	171
11	85	235	113	100	169
12	75	207	73	97	160
13	126	270	181	146	132
14	108	277	150	100	134
15	90	250	99	96	149
16	80	317	73	97	132
17	115	270	169	157	145
18	100	260	146	136	145
19	85	237	97	100	143
20	77	212	75	97	137
21	170	232	155	NC	146
22	160	195	130	" "	139
23	126	140	115	" "	126
24	106	136	88	" "	115
25	123	212	99	155	148
26	105	176	81	134	146
27	85	143	75	99	135
28	78	135	74	95	117
29	150	188	156	165	150
30	125	136	143	127	140
31	100	135	80	95	126
32	85	135	73	95	112

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241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0130
Date 10/2/12 24N

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	170 [✓] 171	220	162	148	169
2	150	180	120	114	169
3	126	135	95	100	163
4	105	134	74	100	149
5	135	277	167	167	145
6	127	265	144	144	141
7	112	234	105	104	130
8	96	205	74	95	116
9	117	248	184 [✓]	174 [✓] 175	167
10	100	259	157	144	172 [✓] 173
11	85	235	111	101	169
12	75	207	175	97	160
13	127	270	181	145	150
14	110	272	151	100	154
15	90	250	99	95	149
16	82	217	75	95	133
17	115	270	169	156	145
18	100	260	146	135	145
19	86	237	99	100	144
20	79	210	74	96	140
21	170	232	155	146	146
22	150	195	130	XX	139
23	125	140	115	XX	128
24	105	130	89	XX	117
25	124	212	99	155	148
26	103	175	82	134	146
27	87	143	76	100	135
28	75	135	75	96	118
29	NC	188	155	165	150
30	125	136	142	132	140
31	100	135	77	95	126
32	85	134	75	96	112

33

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1045
Date 9-29-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	175	220	164	148	170
2	155	180	120	110	172
3	130	135	91	96	165
4	105	135	70	95	150
5	137	277	167	167	145
6	127	265	145	145	140
7	110	235	105	100	130
8	95	205	73	95	115
9	117	267	185	125	167
10	100	257	158	92	171
11	83	235	110	100	170
12	75	207	70	93	160
13	126	270	182	145	150
14	107	277	150	100	153
15	85	250	95	91	148
16	76	217	70	92	133
17	115	267	170	155	145
18	100	257	145	135	144
19	83	235	92	97	140
20	75	208	72	93	136
21	137	230	155	—	145
22	—	195	130	—	136
23	126	140	112	—	127
24	105	135	83	—	115
25	123	212	96	155	147
26	105	175	75	133	145
27	85	146	67	96	133
28	76	135	65	94	113
29	145	190	158	165	150
30	125	135	143	130	140
31	100	135	77	90	125
32	85	135	70	92	112

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1020 AMDate 7/23

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	176	218	163	150	169
2	160	180	125	115	172
3	137	135	95	100	165
4	107	135	75	99	149
5	139	278	167	167	145
6	129	265	148	146	142
7	115	235	110	105	132
8	100	202	75	97	118
9	120	267	184	175	167
10	102	257	160	145	172
11	86	233	115	100	170
12	76	205	75	98	162
13	130	267	183	147	153
14	112	278	154	100	154
15	90	250	100	97	149
16	80	220	75	96	135
17	119	268	120	157	146
18	105	258	149	136	145
19	88	235	100	100	143
20	80	208	100 76	96	138
21	124	230	155	NC	147
22	155	173	132	11	140
23	130	140	116	11	130
24	110	136	86	11	118
25	126	213	NC	156	149
26	109	177	77	134	147
27	91	142	70	100	135
28	81	140	69	98	120
29	150	188	157	167	150
30	130	136	145	132	140
31	100	135	80	95	127
32	86	135	75	95	114

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241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1340
Date 9-21-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	179	220	163	150	170
2	161	180	125	115	171
3	133	135	98	100	165
4	116	135	79	100	150
5	140	278	168	168	145
6	130	265	148	145	141
7	115	235	110	105	115
8	100	202	79	98	168
9	120	267	183	175	171
10	103	255	160	142	170
11	—	332	115	102	160
12	80	202	75	98	150
13	130	265	183	147	154
14	113	277	155	100	147
15	91	250	100	95	135
16	82	218	75	96	145
17	119	267	170	158	145
18	104	255	150	135	141
19	89	133	100	100	137
20	80	205	78	97	145
21	174	227	155	—	138
22	165	192	132	—	127
23	130	137	118	—	117
24	110	135	90	—	158
25	127	212	—	156	145
26	108	176	83	135	135
27	90	142	76	100	130
28	82	135	75	98	150
29	150	188	158	167	140
30	130	135	145	135	127
31	102	135	85	95	117
32	88	134	75	96	117

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1330
Date 9-13-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	180	215	165	150	170
2	152	175	125	115	171
3	135	135	100	101	168
4	112	135	82	100	150
5	140	278	168	168	145
6	130	265	149	145	140
7	115	235	110	107	170
8	100	200	82	99	117
9	123	260	185	175	167
10	105	255	160	145	171
11	89	230	116	104	169
12	82	200	80	100	160
13	122	270	184	147	151
14	113	280	155	103	152
15	93	250	101	97	146
16	83	218	80	97	134
17	120	265	170	157	145
18	105	254	150	135	144
19	90	230	100	100	140
20	83	202	81	98	136
21	178	225	155	—	145
22	155	190	133	—	137
23	—	135	118	—	127
24	112	135	91	—	119
25	130	212	102	156	147
26	110	176	83	135	145
27	92	140	76	100	138
28	85	135	75	98	119
29	150	190	158	167	150
30	132	135	145	133	140
31	105	135	86	97	126
32	90	105	81	98	116

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0120
Date 9/8/92

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	179 179	213	165	150	169
2	162	169	126	117	169
3	137	134	101	103	164
4	114	134	82	100	150
5	142	278	168	168	145
6	133	263	149	147	141
7	118	233	114	108	131
8	103	200	83	100	118
9	125	265	185 185	176 176	167
10	108	252	161	147	170 >>
11	87	227	118	104	169
12	83	199	80	100	161
13	133	273	183	149	151
14	114	283	156	103	152
15	97	250	103	99	148
16	87	219	79	99	134
17	123	261	120	158	144
18	108	251	150	137	144
19	93	228	101	103	141
20	84	200	82	100	137
21	173	223	157	NG	145
22	156	288	134	" "	138
23	134	136	121	" "	128
24	115	135	94	104	118
25	131	212	104	157	147
26	113	177	88	136	145
27	96	141	81	102	134
28	86	134	79	100	124
29	153	191	158	168	150
30	84	137	148	135	140
31	107	134	88	98	127
32	94	134	81	99	115

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1030
Date 9-7-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	180 ^{org}	212	165	150	170
2	160	170	126	115	171
3	132	135	100	102	165
4	115	135	82	100	150
5	140	157 279	168	168	145
6	132	263	150	157	140
7	118	233	113	107	130
8	105	200	83	100	118
9	125	265	185 ¹⁸⁵	175 ¹⁷⁵	167
10	108	252	152	147	171 ¹⁷¹
11	92	227	118	105	170
12	84	198	80	100	160
13	135	274	184	150	151
14	116	284	155	103	152
15	96	250	103	97	147
16	87	220	80	98	135
17	122	260	170	157	145
18	108	252	150	138	143
19	92	227	101	103	140
20	85	200	82	99	137
21	170	223	155	100	145
22	155	188	135	—	137
23	135	135	120	—	127
24	115	135	93	—	117
25	130	212	105	157	147
26	112	176	85	135	145
27	95	140	79	102	133
28	86	135	72	100	120
29	152	181	158	—	150
30	135	138	148	135	140
31	107	134	87	97	127
32	93	134	82	99	115

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time

9/7/72

Date

0140

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	180 ⁸	213	111	150	169
2	163	168	111	117	171
3	137	134	101	103	164
4	115	134	83	101	150
5	141	278 ⁸	168	168	145
6	133	263	149	147	141
7	118	233	114	108	131
8	103	199	83	100	118
9	125	265	185 ⁸	176 ⁸	167
10	108	251	162	148	171 ⁷
11	93	227	118	105	168
12	83	199	80	100	166
13	134	273	183	149	151
14	117	283	156	103	153
15	97	250	102	98	147
16	87	219	80	99	134
17	123	261	170	158	144
18	108	251	150	137	144
19	93	228	102	103	141
20	85	200	83	100	137
21	174	274	156	NG	145
22	157	188	134	X	138
23	135	135	122	X	128
24	114	135	94	105	118
25	131	212	105	157	148
26	113	177	88	136	145
27	96	141	81	102	134
28	87	134	79	100	119
29	154	191	159	NG	150
30	135	138	148	136	140
31	108	134	88	98	127
32	93	134	82	99	115

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 02:10 mN
Date 9/6/72

Point No.	112	114	Temperature of	
	107-SX	108-SX	109	

1	180	212	165	150	169
2	164	168	127	117	171
3	137	134	102	104	164
4	115	134	82	101	156
5	141	278	168	168	145
6	132	267	149	147	141
7	118	232	114	108	131
8	104	199	83	100	118
9	125	265	185	176	167
10	108	251	162	148	141
11	93	227	129	105	168
12	83	199	82	100	160
13	134	274	182	149	152
14	117	284	156	104	153
15	98	250	105	99	148
16	87	219	80	100	134
17	124	261	141	158	144
18	108	251	150	138	144
19	93	227	102	103	141
20	84	200	83	100	137
21	174	224	157	146	146
22	154	188	135	X	138
23	135	135	122	X	129
24	116	134	96	*	118
25	132	212	107	157	147
26	168	177	88	136	147
27	96	141	82	163	134
28	87	134	80	100	119
29	134	192	159	167	150
30	135	140	148	136	141
31	108	134	88	99	128
32	94	134	82	100	115

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0120 am N.Date 9/5/72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	182 ⁴	212	165	150	169
2	166	168	127	118	171
3	137	134	105	104	164
4	117	134	87	103	150
5	142	278 ¹³	163	168	145
6	133	263	149	148	141
7	118	233	115	110	131
8	104	199	88	102	118
9	125	245	184 ⁴⁷	176 ⁴⁷	167
10	108	251	162	147	166 177 ⁴⁷
11	94	227	120	107	169
12	88	198	85	102	160
13	134	274	183	149	152
14	118	284	156	107	153
15	99	250	108	100	147
16	90	219	85	100	134
17	124	261	170	158	144
18	109	251	150	138	143
19	96	227	105	105	141
20	88	199	88	101	137
21	174	223	156	NG	145
22	157	188	134	"	138
23	134	135	123	"	128
24	115	134	99	"	118
25	132	212	107	157	147
26	114	177	92	137	145
27	97	140	87	104	134
28	90	134	85	101	119
29	154	192	158	167	150
30	135	138	148	136	140
31	110	134	93	100	127
32	97	134	87	100	115

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0140
Date 9/4/72 74N

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	180	212	165	150	169
2	163	167	127	118	171
3	137	134	104	105	164
4	116	134	85	103	150
5	141	278	168	168	145
6	133	264	149	148	141
7	118	233	115	109	131
8	104	199	87	101	118
9	125	264	184	126	167
10	108	251	162	148	171
11	94	227	119	107	169
12	86	199	83	101	160
13	135	274	183	149	151
14	117	284	156	105	152
15	98	250	107	100	147
16	89	219	83	100	134
17	124	261	170	158	144
18	109	250	150	138	143
19	95	227	104	105	141
20	88	199	86	101	136
21	174	223	156	116	145
22	156	188	134	✓	138
23	135	135	122	✓	128
24	115	135	97	107	118
25	131	212	107	157	147
26	114	177	91	137	145
27	97	142	85	103	134
28	88	134	83	100	119
29	155	192	158	168	150
30	136	140	148	136	140
31	109	133	92	100	127
32	96	133	84	100	115

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241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1300
Date 8-31-72

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	180	212	165	150	170
2	162	165	126	118	170
3	137	135	104	105	165
4	118	135	85	100	150
5	140	122	165	165	145
6	132	80	150	145	140
7	118	265	115	110	130
8	105	235	86	100	120
9	125	200	185	125	165
10	110	240	160	145	170
11	90	250	120	105	170
12	85	225	85	100	160
13	135	200	182	150	150
14	115	275	155	105	150
15	100	280	105	100	145
16	90	250	85	100	135
17	125	220	120	155	145
18	110	260	150	135	145
19	95	250	105	105	140
20	90	225	85	100	135
21	170	200	155	120	145
22	155	225	135	135	135
23	235	185	120	115	127
24	115	140	70	105	118
25	115	140	105	155	145
26	95	212	85	135	145
27	90	226	83	100	133
28	152	140	83	100	120
29	135	135	158	180	150
30	110	190	148	135	140
31	95	140	92	100	125
32	88	135	85	100	115

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1400
Date 8/24

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	180	212	164	150	168
2	163	166	126	117	171
3	135	133	164	105	163
4	115	133	88	103	150
5	140	278	168	167	144
6	132	264	148	147	141
7	118	232	114	110	131
8	100	198	89	102	118
9	125	263	184	176	167
10	108	250	161	147	172
11	94	224	119	107	169
12	90	194	88	103	160
13	134	274	183	149	151
14	117	285	155	107	151
15	98	248	107	100	146
16	92	218	88	100	134
17	123	258	170	157	144
18	108	250	150	137	143
19	95	225	105	103	140
20	90	195	88	100	136
21	174	222	155	116	145
22	155	184	133	" "	137
23	133	133	122	" "	127
24	114	133	98	" "	117
25	130	212	105	157	147
26	112	176	90	136	145
27	95	141	79	103	133
28	90	134 218	78	101	118
29	153	190	157	162	150
30	135	140	147	135	140
31	110	137	93	100	136
32	96	133	87	101	114

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1345
Date 8-24-78

Point No.	Temperature °F				
	112	114	107-SX	108-SX	109
1	181	210	164	150	169
2	165	163	126	117	171
3	136	133	103	104	164
4	115	134	86	102	150
5	140	279	168	167	144
6	132	264	148	146	135
7	117	232	114	109	130
8	104	197	87	101	118
9	125	263	184	175	167
10	108	250	161	145	170
11	93	223	118	106	168
12	87	194	85	102	160
13	134	274	183	148	151
14	116	286	155	105	152
15	98	248	106	99	146
16	90	218	85	99	133
17	122	258	169	157	144
18	108	250	150	136	143
19	94	224	104	102	140
20	89	194	86	100	135
21	173	221	155	—	145
22	155	183	134	—	137
23	133	134	120	—	127
24	114	134	95	—	116
25	130	212	105	156	146
26	112	176	88	135	144
27	94	141	82	102	133
28	89	134	81	100	118
29	154	190	157	167	149
30	135	142	146	135	140
31	108	133	92	99	126
32	95	134	86	102	108

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0115
Date 4-5-72

Point No.	Temperature °F	
	107-SX	107SX = 170
1	<u>230</u>	<u>108-SX = 165</u>
2	<u>193</u>	<u>109SX = 170</u>
3	<u>145</u>	<u>112SX = 160</u>
4	<u>119</u>	
5	<u>291</u>	
6	<u>281</u>	
7	<u>255</u>	
8	<u>225</u>	
9	<u>288</u>	
10	<u>278</u>	
11	<u>255</u>	
12	<u>225</u>	
13	<u>281</u>	
14	<u>290</u>	
15	<u>260</u>	
16	<u>232</u>	
17	<u>286</u>	
18	<u>281</u>	
19	<u>260</u>	
20	<u>230</u>	
21	<u>216</u>	
22	<u>158</u>	
23	<u>120</u>	
24	<u>119</u>	
25	<u>220</u>	
26	<u>183</u>	
27	<u>143</u>	
28	<u>119</u>	
29	<u>192</u>	
30	<u>129</u>	
31	<u>120</u>	
32	<u>119</u>	

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 4/4/72

1650

Temperature °F

114-SX

Point No.

~~201-SX~~~~108-SX~~

1	<u>226</u>	_____
2	<u>193</u>	_____
3	<u>143</u>	_____
4	<u>118</u>	_____
5	<u>292</u>	_____
6	<u>283</u>	_____
7	<u>257</u>	_____
8	<u>225</u>	_____
9	<u>288</u>	_____
10	<u>278</u>	_____
11	<u>256</u>	_____
12	<u>226</u>	_____
13	<u>282</u>	_____
14	<u>290</u>	_____
15	<u>267</u>	_____
16	<u>233</u>	_____
17	<u>287</u>	_____
18	<u>282</u>	_____
19	<u>262</u>	_____
20	<u>231</u>	_____
21	<u>217</u>	_____
22	<u>157</u>	_____
23	<u>118</u>	_____
24	<u>118</u>	_____
25	<u>221</u>	_____
26	<u>182</u>	_____
27	<u>142</u>	_____
28	<u>117</u>	_____
29	<u>193</u>	_____
30	<u>137</u>	_____
31	<u>118</u>	_____
32	<u>118</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 4-4-72

1000

1145X Temperature °F 1145X

Point No.

1	1145X <u>230</u>	1145X <u>230</u>
2	<u>193</u> +1	<u>193</u>
3	<u>146</u> +1	<u>145</u>
4	<u>120</u> °	<u>118</u>
5	<u>291</u> +1	<u>291</u>
6	<u>282</u> °	<u>281</u>
7	<u>256</u> -1	<u>255</u>
8	<u>225</u> -1	<u>225</u>
9	<u>287</u> °	<u>288</u>
10	<u>277</u> -1	<u>278</u>
11	<u>254</u> -2	<u>255</u>
12	<u>225</u> -1	<u>225</u>
13	<u>280</u> -1	<u>280</u>
14	<u>290</u> °	<u>290</u>
15	<u>260</u> -2	<u>260</u>
16	<u>233</u> °	<u>232</u>
17	<u>286</u> °	<u>286</u>
18	<u>281</u> -1	<u>280</u>
19	<u>260</u> -2	<u>260</u>
20	<u>230</u> -2	<u>230</u>
21	<u>216</u> -1	<u>216</u>
22	<u>156</u> -1	<u>157</u>
23	<u>120</u> -1	<u>118</u>
24	<u>120</u> -1	<u>118</u>
25	<u>221</u> -1	<u>220</u>
26	<u>103</u> °	<u>104</u>
27	<u>194</u> -2	<u>194</u>
28	<u>120</u> °	<u>118</u>
29	<u>192</u> -1	<u>192</u>
30	<u>123</u> +2	<u>125</u>
31	<u>120</u> -1	<u>118</u>
32	<u>220</u> +1	<u>118</u>

900

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0125Date 4-4-72

Point No.	Temperature °F	
		Hi Temps
	107-SX	107SX = 170°
	108-SX	108-SX = 165°
1	<u>230</u>	109SX = 171°
2	<u>192</u>	112SX = 160°
3	<u>145</u>	
4	<u>120</u>	
5	<u>290</u>	
6	<u>281</u>	
7	<u>257</u>	
8	<u>225</u>	
9	<u>287</u>	
10	<u>277</u>	
11	<u>255</u>	
12	<u>225</u>	
13	<u>280</u>	
14	<u>290</u>	
15	<u>260</u>	
16	<u>234</u>	
17	<u>285</u>	
18	<u>280</u>	
19	<u>260</u>	
20	<u>230</u>	
21	<u>217</u>	
22	<u>156</u>	
23	<u>120</u>	
24	<u>120</u>	
25	<u>220</u>	
26	<u>188</u>	
27	<u>145</u>	
28	<u>120</u>	
29	<u>193</u>	
30	<u>120</u>	
31	<u>120</u>	
32	<u>120</u>	

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0100Date 4-3-72

Point No.	Temperature °F		Hi Temps
	114	108-SX	
1	104 SX	108-SX =	165° ps
2	230	107 =	170°
3	191	109 =	166°
4	145	112 =	159°
5	120		
6	290		
7	282		
8	260		
9	225		
10	287		
11	276		
12	255		
13	227		
14	280		
15	290		
16	261		
17	234		
18	285		
19	281		
20	262		
21	232		
22	217		
23	160		
24	122		
25	122		
26	220		
27	183		
28	146		
29	121		
30	195		
31	124		
32	122		
	120		

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 4-3-72

1145X

Point No.	Temperature °F			
	0900	1510	1700	2300
1	229	230	230	230
2	192	192	192	192
3	145	145	144	145
4	122	120	120	120
5	291	291	292	292
6	281	282	283	282
7	257	254	258	257
8	225	225	226	226
9	287	287	288	287
10	276	277	277	278
11	255	255	256	256
12	226	225	226	226
13	280	281	282	281
14	289	289	292	290
15	261	260	262	262
16	233	232	233	233
17	285	285	287	286
18	280	280	282	282
19	261	260	263	262
20	231	231	232	232
21	216	216	217	217
22	157	157	157	157
23	123	120	119	121
24	123	120	119	121
25	221	221	221	222
26	183	183	183	183
27	145	145	145	146
28	121	120	119	120
29	195	195	194	193
30	124	121	126	121
31	122	120	119	121
32	122	120	119	119

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0200
Date 4-2-72

Point No.	Temperature °F	
	<u>114</u> 107-SX	<u>108-SX</u>
1	<u>130</u>	
2	<u>191</u>	
3	<u>145</u>	
4	<u>124</u>	
5	<u>290</u>	
6	<u>282</u>	
7	<u>260</u>	
8	<u>225</u>	
9	<u>286</u>	
10	<u>276</u>	
11	<u>255</u>	
12	<u>226</u>	
13	<u>280</u>	
14	<u>289</u>	
15	<u>262</u>	
16	<u>235</u>	
17	<u>285</u>	
18	<u>280</u>	
19	<u>262</u>	
20	<u>232</u>	
21	<u>216</u>	
22	<u>160</u>	
23	<u>125</u>	
24	<u>125</u>	
25	<u>221</u>	
26	<u>183</u>	
27	<u>146</u>	
28	<u>125</u>	
29	<u>198</u>	
30	<u>125</u>	
31	<u>125</u>	
32	<u>124</u>	

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241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____
Date 4-2-72

Point No.	Temperature °F	
	<u>114</u> 104 -SX	<u>1430</u> 100 -SX
1	220 230	230
2	192	192
3	146	145
4	125	122
5	290	290
6	282	282
7	257	257
8	226	225
9	286	286
10	277	277
11	255	255
12	226	226
13	280	280
14	289	289
15	262	261
16	234	233
17	285	285
18	280	280
19	262	262
20	232	232
21	216	216
22	160	159
23	125	122
24	125	122
25	221	221
26	182	182
27	147	147
28	125	122
29	198	198
30	127	123
31	125	122
32	125	122

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

		Time
	1030	Date 4-1-72
	1145	Temperature of 1445
Point No.	2055X	1145X
1	229	229
2	191	191
3	145	145
4	126	125
5	290	290
6	282	282
7	258	258
8	226	226
9	286	286
10	277	277
11	255	255
12	226	226
13	280	280
14	288	288
15	262	262
16	235	235
17	285	285
18	279	279
19	262	261
20	132	232
21	216	216
22	160	160
23	126	125
24	126	125
25	220	220
26	182	182
27	147 147	147
28	126	124
29	260	200
30	126	125
31	136	124
32	126	124

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 4/1/92

@ 114-SX
1645 Temperature °F

Point No.

1
2
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32

107 SX229192145124290282258227287277255227279288262234285279262232217159124124221183146124200125124124108 SX229192145124290282258227287278256227280288262235285280263232217159125125222183147124199125124124

2300

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 3-31-72

1145X

Time 0945 Temperature °F @ 1700

Point No.

1	228	229
2	190	190
3	145	144
4	127	126
5	290	290
6	281	282
7	259	260
8	226	227
9	285	286
10	276	277
11	255	256
12	226	227
13	278	280
14	287	289
15	263	265
16	236	236
17	284	286
18	279	280
19	263	264
20	234	234
21	216	217
22	161	162
23	129	128
24	129	127
25	221	222
26	282 ?	182
27	146	145
28	127	126
29	203	203
30	130	136
31	127	126
32	127	126

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0100Date 3-31-72

Point No.	114	Temperature °F	108-SX
	101-SX		
1	230		
2	190		
3	145		
4	127		
5	290		
6	286		
7	260		
8	230		
9	286		
10	278		
11	257		
12	225		
13	280		
14	290		
15	265		
16	235		
17	280		
18	280		
19	265		
20	235		
21	217		
22	160		
23	130		
24	130		
25	223		
26	182		
27	145		
28	127		
29	205		
30	130		
31	129		
32	129		

241-SX SLUDGE PROFILE TEMPERATURES

TIME 08:45 DATE 2-24-72

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(1) T.C. Elevation (in.) →									Recorder Pts. #
	1 4	2 12	3 21	4 29	5 38	6 46	7 54	8 62	
TK-107	150	104	77	57	1-4				1-4
	156	130	90	57	5-8				5-8
	168	148	90	51	9-12				9-12
	167	134	79	54	13-16				13-16
	157	126	75	55	17-20				17-20
	143	116	86	67	21-24				21-24
	80	60	59	51	25-28				25-28
	140	126	161	54	29-32				29-32
TK-108	131	91	80	28	1-4				1-4
	152	126	84	76	5-8				5-8
	160	136	103	77	9-12				9-12
	137	80	74	74	13-16				13-16
	141	118	80	74	17-20				17-20
	N5	N5	N5	N5	21-24				21-24
	139	118	79	75	25-28				25-28
	149	111	72	72	29-32				29-32
TK-109	173	172	160	139	1-4				1-4
	148	141	136	107	5-8				5-8
	171	174	168	155	9-12				9-12
	156	155	145	126	13-16				13-16
	146	145	140	133	17-20				17-20
	149	139	135	110	21-24				21-24
	150	145	130	110	25-28				25-28
	152	140	121	101	29-32				29-32
TK-110	133	N5	133	133	1-4				1-4
	212	206	194	N5	5-8				5-8
	236	220	215	195	9-12				9-12
	205	194	177	157	13-16				13-16
	222	216	200	182	17-20				17-20
	205	189	184	164	21-24				21-24
	209	205	192	176	25-28				25-28
	175	171	138	133	29-32				29-32
TK-111	121	121	121	121	1-4				1-4
	219	215	N5	174	5-8				5-8
	236	220	215	195	9-12				9-12
	209	209	201	186	13-16				13-16
	222	216	200	182	17-20				17-20
	205	189	184	164	21-24				21-24
	209	205	192	176	25-28				25-28
	175	171	138	133	29-32				29-32

Probe Locations

Above Tip of Probe

2-24-72

BEST AVAILABLE COPY

Probe Locations

-2-

R.C. →

Elevation(in.) →

K-112

Probe Nos. ↓

1	2	3	4	5	6	7	8	
1 156	140	117	95	38	16	54	62	1-4
2 126	117	100	84					5-8
3 104	85	70	60					9-12
4 115	85	72	64					13-16
5 103	85	70	62					17-20
6 149	140	119	98					21-24
7 112	92	74	64					25-28
8 129	112	87	71					29-32

TK-114

1 246	214	161	138	1-4
2 277	269	262	256	5-8
3 274	269	259	251	9-12
4 268	275	261	238	13-16
5 273	266	264	252	17-20
6 251	224	190	161	21-24
7 248	212	152	138	25-28
8 258	239	209	176	29-32

TK-105

1 85	77	70	70	1-4
2 89	84	74	70	5-8
3				9-12
4				13-16
5				17-20
6				21-24
7				25-28
8				29-32

WMC
9-11-71
60

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1135
Date 3/30/72

114-SX
Temperature °F

<u>Point No.</u>	<u>107-SX</u>	<u>108-SX</u>
1	229	
2	188	
3	143	
4	127	
5	289	
6	282	
7	260	
8	227	
9	286	
10	217	
11	256	
12	227	
13	279	
14	288	
15	263	
16	236	
17	284	
18	219	
19	267	
20	233	
21	217	
22	159	
23	128	
24	128	
25	222	
26	181	
27	145	
28	128	
29	205	
30	130	
31	128	
32	127	

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0100
Date 3-30-72

Point No.	<u>114</u> Temperature °F	108-SX
	104-SX	
1	<u>230</u>	_____
2	<u>190</u>	_____
3	<u>140</u>	_____
4	<u>127</u>	_____
5	<u>290</u>	_____
6	<u>283</u>	_____
7	<u>262</u>	_____
8	<u>230</u>	_____
9	<u>286</u>	_____
10	<u>278</u>	_____
11	<u>257</u>	_____
12	<u>230</u>	_____
13	<u>280</u>	_____
14	<u>290</u>	_____
15	<u>265</u>	_____
16	<u>237</u>	_____
17	<u>280</u>	_____
18	<u>280</u>	_____
19	<u>265</u>	_____
20	<u>235</u>	_____
21	<u>217</u>	_____
22	<u>160</u>	_____
23	<u>130</u>	_____
24	<u>130</u>	_____
25	<u>223</u>	_____
26	<u>180</u>	_____
27	<u>145</u>	_____
28	<u>227</u>	_____
29	<u>207</u>	_____
30	<u>135</u>	_____
31	<u>130</u>	_____
32	<u>129</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1630 - 1700
Date 3/29/72

Temperature °F

<u>Point No.</u>	<u>107-SX</u>	<u>108-SX</u>	<u>109</u>	<u>112</u>	<u>114</u>
1	<u>151</u>	<u>135</u>	<u>171</u>	<u>158</u>	<u>229</u>
2	<u>108</u>	<u>100</u>	<u>170</u>	<u>143</u>	<u>188</u>
3	<u>85</u>	<u>88</u>	<u>159</u>	<u>118</u>	<u>140</u>
4	<u>68</u>	<u>87</u>	<u>140</u>	<u>94</u>	<u>289</u>
5	<u>157</u>	<u>156</u>	<u>144</u>	<u>129</u>	<u>281</u>
6	<u>133</u>	<u>132</u>	<u>139</u>	<u>118</u>	<u>260</u>
7	<u>94</u>	<u>93</u>	<u>125</u>	<u>102</u>	<u>227</u>
8	<u>69</u>	<u>86</u>	<u>108</u>	<u>88</u>	<u>286</u>
9	<u>170</u>	<u>164</u>	<u>168</u>	<u>109</u>	<u>337</u>
10	<u>143</u>	<u>131</u>	<u>172</u>	<u>90</u>	<u>256</u>
11	<u>98</u>	<u>91</u>	<u>167</u>	<u>77</u>	<u>227</u>
12	<u>65</u>	<u>86</u>	<u>155</u>	<u>70</u>	<u>259</u>
13	<u>120</u>	<u>133</u>	<u>153</u>	<u>117</u>	<u>288</u>
14	<u>143</u>	<u>90</u>	<u>152</u>	<u>98</u>	<u>263</u>
15	<u>87</u>	<u>85</u>	<u>148</u>	<u>99</u>	<u>234</u>
16	<u>67</u>	<u>84</u>	<u>127</u>	<u>87</u>	<u>284</u>
17	<u>159</u>	<u>147</u>	<u>143</u>	<u>106</u>	<u>278</u>
18	<u>134</u>	<u>124</u>	<u>142</u>	<u>89</u>	<u>263</u>
19	<u>85</u>	<u>90</u>	<u>138</u>	<u>77</u>	<u>233</u>
20	<u>68</u>	<u>85</u>	<u>132</u>	<u>71</u>	<u>217</u>
21	<u>144</u>	<u>NG</u>	<u>147</u>	<u>150</u>	<u>158</u>
22	<u>120</u>	<u>X</u>	<u>137</u>	<u>141</u>	<u>128</u>
23	<u>100</u>	<u>X</u>	<u>124</u>	<u>119</u>	<u>128</u>
24	<u>79</u>	<u>X</u>	<u>108</u>	<u>99</u>	<u>222</u>
25	<u>85</u>	<u>143</u>	<u>149</u>	<u>114</u>	<u>180</u>
26	<u>70</u>	<u>121</u>	<u>144</u>	<u>95</u>	<u>143</u>
27	<u>64</u>	<u>88</u>	<u>129</u>	<u>79</u>	<u>128</u>
28	<u>63</u>	<u>85</u>	<u>111</u>	<u>73</u>	<u>208</u>
29	<u>143</u>	<u>152</u>	<u>150</u>	<u>133</u>	<u>134</u>
30	<u>130</u>	<u>118</u>	<u>137</u>	<u>115</u>	<u>128</u>
31	<u>72</u>	<u>83</u>	<u>120</u>	<u>90</u>	<u>128</u>
32	<u>67</u>	<u>83</u>	<u>102</u>	<u>78</u>	

SX SLUDGE PROFILE TEMPERATURES

(S.O.P. 200.3.6)

"A" 4-12

Time 17 20

Date 3/24/72

C-12-8

3-27-72

Point No.	114 Temperature °F	114
	107-SX	108-SX
1	225	225
2	185	185
3	135	135
4	125	124
5	290	290
6	282	183
7	245	263
8	230	230
9	286	287
10	278	278
11	231	256
12	228	228
13	280	280
14	290	289
15	245	265
16	235	235
17	286	285
18	286	280
19	267	267
20	232	236
21	222	220
22	155	155
23	129	128
24	130	128
25	224	224
26	180	180
27	140	140
28	127	127
29	221	220
30	150	149
31	127	127
32	125	125

241-SX SLUDGE PROFILE TEMPERATURES

(S.O.P. 200.3.6)

Time 0915Date 3-25-72

Point No.	Temperature °F	
	<u>114</u> 107 -SX	108-SX
1	<u>227</u>	_____
2	<u>182</u>	_____
3	<u>130</u>	_____
4	<u>125</u>	_____
5	<u>289</u>	_____
6	<u>281</u>	_____
7	<u>261</u>	_____
8	<u>230</u>	_____
9	<u>285</u>	_____
10	<u>276</u>	_____
11	<u>255</u>	_____
12	<u>226</u>	_____
13	<u>277</u>	_____
14	<u>287</u>	_____
15	<u>260</u>	_____
16	<u>234</u>	_____
17	<u>283</u>	_____
18	<u>278</u>	_____
19	<u>265</u>	_____
20	<u>235</u>	_____
21	<u>221</u>	_____
22	<u>150</u>	_____
23	<u>126</u>	_____
24	<u>126</u>	_____
25	<u>221</u>	_____
26	<u>176</u>	_____
27	<u>134</u>	_____
28	<u>126</u>	_____
29	<u>225</u>	_____
30	<u>161</u>	_____
31	<u>126</u>	_____
32	<u>126</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES

(S.O.P. 200.3.6)

A-4-12

Time 1705Date 3-24-72

111 Temperature °F

Point No.~~107-SX~~108-SX

1	<u>227</u>	
2	<u>186</u>	
3	<u>130</u>	
4	<u>131</u>	
5	<u>288</u>	
6	<u>281</u>	
7	<u>260</u>	
8	<u>231</u>	
9	<u>285</u>	
10	<u>276</u>	
11	<u>255</u>	
12	<u>227</u>	
13	<u>277</u>	
14	<u>287</u>	
15	<u>262</u>	
16	<u>284</u>	
17	<u>284</u>	
18	<u>278</u>	
19	<u>265</u>	
20	<u>236</u>	
21	<u>224</u>	
22	<u>149</u>	
23	<u>126</u>	
24	<u>126</u>	
25	<u>222</u>	
26	<u>176</u>	
27	<u>132</u>	
28	<u>126</u>	
29	<u>225</u>	
30	<u>163</u>	
31	<u>126</u>	
32	<u>125</u>	

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1415
Date 2-24-72

Point No.	Temperature °F	
	107 -SX	108-SX
1	227	
2	182	
3	130	
4	126	
5	289	
6	281	
7	261	
8	231	
9	285	
10	276	
11	255	
12	227	
13	278	
14	288	
15	261	
16	234	
17	282	
18	276½	
19	264	
20	235	
21	222	
22	147	
23	126	
24	126	
25	221	
26	175	
27	130	
28	126	
29	224	
30	163	
31	126	
32	126	

241-SX SLUDGE PROFILE TEMPERATURES

TIME 10:15 DATE 3-30-72

BEST AVAILABLE COPY

T.C. → 1) Elevation (in.) → T.C. Probe TK-107 ↓		1 4	2 12	3 21	4 29	5 38	6 46	7 54	8 62	Recorder Pts. #
	1	150		108		83		69		1-4
	2	156		122		94		65		5-8
	3	168		142		96		60		9-12
	4	168		138		85		63		13-16
	5	158		134		84		65		17-20
	6	144		120		102		76		21-24
	7	85		66		60		58		25-28
	8	143		130		68		62		29-32
TK-108										
	1	134		100		86		84		1-4
	2	155		121		90		83		5-8
	3	163		130		87		78		9-12
	4	132		87		83		83		13-16
	5	146		125		89		85		17-20
	6	N5		N5		N5		N5		21-24
	7	145		122		88		88		25-28
	8	153		117		80		80		29-32
TK-109										
	1	170		169		158		140		1-4
	2	145		139		125		108		5-8
	3	168		171		167		155		9-12
	4	155		157		146		129		13-16
	5	145		145		140		135		17-20
	6	149		139		126		110		21-24
	7	150		146		131		112		25-28
	8	153		129		120		102		29-32
TK-110										
	1	120	116	131	131					1-4
	2	210	209	189	170					5-8
	3	235	229	214	185					9-12
	4	204	185	178	158					13-16
	5	222	216	200	183					17-20
	6	203	197	180	162					21-24
	7	216	205	183	178					25-28
	8	176	165	140	131					29-32
TK-111										
	1	120	116	131	131	123	123	123	123	1-4
	2	215	211	190	174	123	123	123	123	5-8
	3	235	229	214	185	124	124	124	124	9-12
	4	205	205	200	187	124	124	124	124	13-16
	5	222	216	200	183	124	124	124	124	17-20
	6	203	197	180	162	124	124	124	124	21-24
	7	216	205	183	178	124	124	124	124	25-28
	8	176	165	140	131	124	124	124	124	29-32

Probe Locations

Above Tip of Probe

21-2
11-17-71

68

3-30-72

-2-

P.C. →	1	2	3	4	5	6	7	8	
Elevation(in.) →	4	12	21	29	38	46	54	62	
TK-112	1	157	141	117	95				1-4
Probe Nos.	2	127	118	102	86				5-8
	3	107	90	75	68				9-12
	4	117	99	79	73				13-16
	5	108	91	78	71				17-20
	6	154	143	121	101				21-24
	7	116	97	80	73				25-28
	8	134	116	90	76				29-32
TK-114	1	228		188		143		128	1-4
	2	290		252		260		227	5-8
	3	226		227		256		227	9-12
	4	290		289		265		223	13-16
	5	256		281		266		234	17-20
	6	219		161		131		131	21-24
	7	223		184		146		130	25-28
	8	207		134		128		128	29-32
TK-105	1	81	74	66	66				1-4
	2	84	80	71	66				5-8
	3								9-12
	4								13-16
	5								17-20
	6								21-24
	7								25-28
	8								29-32

Probe Locations

BEST AVAILABLE COPY

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 2-24-72

	08:25	Temperature °F	15:00
	114 114		114 114
	107-SX		100-SX
Point No.			
1	-1 <u>246</u>		<u>246</u>
2	<u>214</u>		<u>215</u> +1
3	<u>161</u>		<u>162</u> +1
4	<u>138</u>		<u>139</u> +1
5	<u>277</u>		<u>277</u>
6	+1 <u>269</u>		<u>269</u>
7	<u>262</u>		<u>262</u>
8	-7 <u>246</u>		<u>246</u>
9	-1 <u>274</u>		<u>275</u> +1
10	<u>269</u>		<u>268</u> -1
11	-1 <u>259</u>		<u>260</u> +1
12	<u>234</u>		<u>234</u>
13	+1 <u>268</u>		<u>268</u>
14	<u>275</u>		<u>275</u>
15	+1 <u>261</u>		<u>261</u>
16	-2 <u>238</u>		<u>240</u> +2
17	<u>272</u>		<u>274</u> +1
18	<u>266</u>		<u>266</u>
19	+2 <u>264</u>		<u>263</u> -1
20	+1 <u>242</u>		<u>242</u>
21	<u>251</u>		<u>251</u>
22	<u>224</u>		<u>225</u> +1
23	+2 <u>190</u>		<u>190</u>
24	+3 <u>161</u>		<u>162</u> +1
25	-1 <u>248</u>		<u>248</u>
26	-1 <u>212</u>		<u>212</u>
27	-1 <u>152</u>		<u>151</u> -1
28	<u>138</u>		<u>138</u>
29	<u>258</u>		<u>257</u> -1
30	<u>239</u>		<u>239</u>
31	<u>209</u>		<u>209</u>
32	-1 <u>176</u>		<u>176</u>

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1020
Date 2-29-72

Point No.

Temperature °F

2-23-72

Point No.	Temperature °F
1	1114 114-SX ✓
2	108-SX ✓
3	248
4	215
5	154
6	136
7	277
8	269
9	262
10	246
11	274
12	268
13	260
14	234
15	266
16	275
17	257
18	237
19	273
20	266
21	262
22	242
23	250
24	224
25	183
26	151
27	250
28	213
29	154
30	136
31	257
32	238
	208
	175

241-SX SLUDGE PROFILE TEMPERATURES

(S.O.P. 200.3.6)

2-23-72

Time - 08:40

Time

Date 2-23-72

Point No.

	Temperature of	
	107 SX	108 SX
1	<u>247</u>	<u>247</u>
2	<u>214</u>	<u>214</u>
3	<u>161</u>	<u>161</u>
4	<u>138</u>	<u>138</u>
5	<u>278</u>	<u>277</u> -1
6	<u>270</u>	<u>268</u> -2
7	<u>263</u>	<u>262</u> -1
8	<u>246</u>	<u>253</u> +7
9	<u>275</u>	<u>275</u>
10	<u>269</u>	<u>269</u>
11	<u>260</u>	<u>260</u>
12	<u>234</u>	<u>234</u>
13	<u>268</u>	<u>267</u> -1
14	<u>276</u>	<u>275</u> -1
15	<u>260</u>	<u>260</u>
16	<u>236</u>	<u>240</u> +4
17	<u>273</u>	<u>273</u>
18	<u>266</u>	<u>266</u>
19	<u>262</u>	<u>262</u>
20	<u>242</u>	<u>242</u>
21	<u>250</u>	<u>251</u> +1
22	<u>224</u>	<u>224</u>
23	<u>187</u>	<u>188</u> +1
24	<u>158</u>	<u>158</u>
25	<u>249</u>	<u>249</u>
26	<u>214</u>	<u>213</u> -1
27	<u>154</u>	<u>153</u> -1
28	<u>138</u>	<u>138</u>
29	<u>257</u>	<u>258</u> +1
30	<u>239</u>	<u>239</u>
31	<u>208</u>	<u>209</u> +1
32	<u>176</u>	<u>175</u> -1

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 1-11-72

Point No.	Temperature °F	
	107-SX	108-SX
1	_____	<u>250</u>
2	_____	<u>217</u>
3	_____	<u>156</u>
4	_____	<u>136</u>
5	_____	<u>227</u>
6	_____	<u>220</u>
7	_____	<u>268</u>
8	_____	<u>244</u>
9	_____	<u>225</u>
10	_____	<u>268</u>
11	_____	<u>260</u>
12	_____	<u>234</u>
13	_____	<u>268</u>
14	_____	<u>275</u>
15	_____	<u>263</u>
16	_____	<u>241</u>
17	_____	<u>274</u>
18	_____	<u>267</u>
19	_____	<u>268</u>
20	_____	<u>242</u>
21	_____	<u>251</u>
22	_____	<u>224</u>
23	_____	<u>186</u>
24	_____	<u>144</u>
25	_____	<u>253</u>
26	_____	<u>219</u>
27	_____	<u>158</u>
28	_____	<u>137</u>
29	_____	<u>258</u>
30	_____	<u>240</u>
31	_____	<u>212</u>
32	_____	<u>176</u>

2-21-72
WNC

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0130
Date 2/25/12

Point No.	Temperature °F	
	107-SX	108-SX
1	<u>149</u>	<u>130</u>
2	<u>102</u>	<u>94</u>
3	<u>77</u>	<u>81</u>
4	<u>56</u>	<u>78</u>
5	<u>155</u>	<u>152</u>
6	<u>129</u>	<u>127</u>
7	<u>90</u>	<u>84</u>
8	<u>58</u>	<u>77</u>
9	<u>167</u>	<u>160 ✓ 11</u>
10	<u>138</u>	<u>124</u>
11	<u>90</u>	<u>83</u>
12	<u>51</u>	<u>78</u>
13	<u>167 ✓ 75</u>	<u>127</u>
14	<u>133</u>	<u>82</u>
15	<u>79</u>	<u>75</u>
16	<u>53</u>	<u>76</u>
17	<u>137</u>	<u>143</u>
18	<u>127</u>	<u>119</u>
19	<u>77</u>	<u>82</u>
20	<u>57</u>	<u>76</u>
21	<u>142</u>	<u>NG</u>
22	<u>117</u>	<u>NG</u>
23	<u>97</u>	<u>NG</u>
24	<u>70</u>	<u>NG</u>
25	<u>74</u>	<u>140</u>
26	<u>62</u>	<u>115</u>
27	<u>55</u>	<u>82</u>
28	<u>53</u>	<u>77</u>
29	<u>140</u>	<u>150</u>
30	<u>126</u>	<u>112</u>
31	<u>62</u>	<u>73</u>
32	<u>55</u>	<u>72</u>

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0140Date 2/25/72

Point No.	Temperature °F	
	<u>109-SX</u>	<u>112-SX</u> <u>114</u>
1	<u>174</u> ✓ 69	<u>157</u> ✓ 247
2	<u>172</u>	<u>140</u> 215
3	<u>166</u>	<u>117</u> 163
4	<u>139</u>	<u>93</u> 138
5	<u>148</u>	<u>126</u> 277
6	<u>142</u>	<u>117</u> 268
7	<u>127</u>	<u>100</u> 262
8	<u>108</u>	<u>83</u> 249
9	<u>172</u>	<u>103</u> 275
10	<u>174</u>	<u>86</u> 269
11	<u>168</u>	<u>72</u> 260
12	<u>156</u>	<u>62</u> 233
13	<u>157</u>	<u>115</u> 268
14	<u>156</u>	<u>95</u> 276
15	<u>147</u>	<u>74</u> 262
16	<u>128</u>	<u>64</u> 239
17	<u>147</u>	<u>103</u> 273
18	<u>146</u>	<u>86</u> 267
19	<u>142</u>	<u>72</u> 263
20	<u>134</u>	<u>62</u> 243
21	<u>149</u>	<u>130</u> 251
22	<u>140</u>	<u>140</u> 275
23	<u>127</u>	<u>119</u> 191
24	<u>112</u>	<u>99</u> 164
25	<u>160</u>	<u>113</u> 247
26	<u>147</u>	<u>93</u> 212
27	<u>132</u>	<u>75</u> 130
28	<u>111</u>	<u>64</u> 139
29	<u>152</u>	<u>129</u> 258
30	<u>142</u>	<u>112</u> 238
31	<u>124</u>	<u>87</u> 269
32	<u>104</u>	<u>72</u> 176

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0130
Date 2/24/72

Point No.	Temperature °F	
	107-SX	108-SX
1	<u>149</u>	<u>130</u>
2	<u>103</u>	<u>94</u>
3	<u>78</u>	<u>80</u>
4	<u>57</u>	<u>78</u>
5	<u>156</u>	<u>152</u>
6	<u>129</u>	<u>126</u>
7	<u>90</u>	<u>84</u>
8	<u>58</u>	<u>76</u>
9	<u>167</u>	<u>160</u> ✓
10	<u>128</u>	<u>126</u>
11	<u>90</u>	<u>83</u>
12	<u>50</u>	<u>77</u>
13	<u>167</u> ✓	<u>127</u>
14	<u>134</u>	<u>82</u>
15	<u>79</u>	<u>75</u>
16	<u>53</u>	<u>75</u>
17	<u>157</u>	<u>143</u>
18	<u>126</u>	<u>119</u>
19	<u>75</u>	<u>82</u>
20	<u>57</u>	<u>75</u>
21	<u>143</u>	<u>X</u>
22	<u>117</u>	<u>X</u>
23	<u>96</u>	<u>X</u>
24	<u>70</u>	<u>X</u>
25	<u>80</u>	<u>X</u>
26	<u>62</u>	<u>139</u>
27	<u>55</u>	<u>113</u>
28	<u>54</u>	<u>80</u>
29	<u>146</u>	<u>75</u>
30	<u>126</u>	<u>148</u>
31	<u>62</u>	<u>111</u>
32	<u>55</u>	<u>73</u>

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0140Date 2/24/72

Point No.	109 Temperature °F	112-SX	
	107-SX	108-SX	114-SX
1	<u>174</u> ✓	<u>156</u> ✓	247
2	<u>172</u>	<u>140</u>	214
3	<u>160</u>	<u>117</u>	162
4	<u>138</u>	<u>95</u>	138
5	<u>148</u>	<u>124</u>	277
6	<u>142</u>	<u>117</u>	270
7	<u>126</u>	<u>100</u>	262
8	<u>108</u>	<u>84</u>	248
9	<u>172</u>	<u>104</u>	274
10	<u>174</u>	<u>86</u>	269
11	<u>168</u>	<u>72</u>	260
12	<u>156</u>	<u>61</u>	235
13	<u>157</u>	<u>61</u>	268
14	<u>156</u>	<u>117</u>	277
15	<u>147</u>	<u>96</u>	262
16	<u>127</u>	<u>74</u>	238
17	<u>147</u>	<u>64</u>	273
18	<u>146</u>	<u>103</u>	267
19	<u>142</u>	<u>86</u>	263
20	<u>134</u>	<u>73</u>	243
21	<u>149</u>	<u>62</u>	252
22	<u>140</u>	<u>130</u>	224
23	<u>126</u>	<u>142</u>	188
24	<u>110</u>	<u>119</u>	161
25	<u>150</u>	<u>99</u>	248
26	<u>147</u>	<u>79</u>	213
27	<u>132</u>	<u>108</u>	151
28	<u>110</u>	<u>93</u>	138
29	<u>152</u>	<u>75</u>	138
30	<u>142</u>	<u>64</u>	257
31	<u>124</u>	<u>130</u>	238
32	<u>104</u>	<u>113</u>	209
		<u>87</u>	176
		<u>73</u>	

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0130
Date 2/23/72

Point No.	Temperature °F	
	107-SX	108-SX
1	<u>149</u>	<u>130</u>
2	<u>102</u>	<u>94</u>
3	<u>77</u>	<u>81</u>
4	<u>57</u>	<u>78</u>
5	<u>156</u>	<u>152</u>
6	<u>129</u>	<u>127</u>
7	<u>89</u>	<u>84</u>
8	<u>58</u>	<u>77</u>
9	<u>168</u> 76	<u>160</u> 71
10	<u>138</u>	<u>126</u>
11	<u>90</u>	<u>83</u>
12	<u>52</u>	<u>78</u>
13	<u>167</u>	<u>127</u>
14	<u>134</u>	<u>82</u>
15	<u>79</u>	<u>76</u>
16	<u>54</u>	<u>76</u>
17	<u>157</u>	<u>143</u>
18	<u>130</u>	<u>119</u>
19	<u>79</u>	<u>82</u>
20	<u>58</u>	<u>76</u>
21	<u>143</u>	<u>NC</u>
22	<u>117</u>	<u>NC</u>
23	<u>95</u>	<u>NC</u>
24	<u>70</u>	<u>NC</u>
25	<u>79</u>	<u>140</u>
26	<u>62</u>	<u>117</u>
27	<u>56</u>	<u>82</u>
28	<u>54</u>	<u>77</u>
29	<u>140</u>	<u>149</u>
30	<u>126</u>	<u>112</u>
31	<u>62</u>	<u>74</u>
32	<u>56</u>	<u>74</u>

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0150
Date 2/22/92

Point No.	Temperature °F	
	108-SX	112-SX
1	<u>174</u> 79	<u>157</u> 69
2	<u>173</u>	<u>140</u>
3	<u>160</u>	<u>117</u>
4	<u>139</u>	<u>94</u>
5	<u>149</u>	<u>127</u>
6	<u>142</u>	<u>117</u>
7	<u>127</u>	<u>100</u>
8	<u>109</u>	<u>84</u>
9	<u>172</u>	<u>104</u>
10	<u>125</u>	<u>86</u>
11	<u>169</u>	<u>71</u>
12	<u>156</u>	<u>62</u>
13	<u>157</u>	<u>116</u>
14	<u>157</u>	<u>96</u>
15	<u>147</u>	<u>74</u>
16	<u>127</u>	<u>65</u>
17	<u>148</u>	<u>103</u>
18	<u>146</u>	<u>87</u>
19	<u>142</u>	<u>73</u>
20	<u>134</u>	<u>63</u>
21	<u>150</u>	<u>150</u>
22	<u>140</u>	<u>141</u>
23	<u>127</u>	<u>119</u>
24	<u>111</u>	<u>99</u>
25	<u>151</u>	<u>113</u>
26	<u>147</u>	<u>92</u>
27	<u>132</u>	<u>75</u>
28	<u>111</u>	<u>65</u>
29	<u>153</u>	<u>130</u>
30	<u>142</u>	<u>112</u>
31	<u>124</u>	<u>87</u>
32	<u>105</u>	<u>73</u>

114-SX

247

213

159

138

277

269

262

247

274

268

260

234

267

296

260

187

273

267

262

242

251

274

187

157

249

214

153

138

258

239

209

176

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0150
Date 2/22/72

Point No.	Temperature °F	
	109-SX 107-SX	112-SX 108-SX
1	174 ✓ 79	156 ✓ 69
2	172	140
3	160	115
4	140	93
5	145	126
6	142	117
7	137	100
8	108	84
9	172	103
10	174	85
11	174	70
12	155	60
13	157	115
14	156	95
15	147	74
16	127	63
17	147	102
18	145	85
19	142	72
20	131	62
21	150	150
22	140	140
23	126	99
24	110	117
25	151	93
26	147	74
27	131	64
28	110	129
29	152	112
30	142	87
31	124	76
32	104	70

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0140
Date 11/22/72

Point No.	Temperature °F	
	107-SX	108-SX
1	<u>149</u>	<u>130</u>
2	<u>102</u>	<u>93</u>
3	<u>76</u>	<u>80</u>
4	<u>56</u>	<u>77</u>
5	<u>156</u>	<u>152</u>
6	<u>128</u>	<u>126</u>
7	<u>89</u>	<u>83</u>
8	<u>57</u>	<u>74</u>
9	<u>167</u> ✓ 75	<u>160</u> ✓ 71
10	<u>138</u>	<u>125</u>
11	<u>89</u>	<u>82</u>
12	<u>50</u>	<u>77</u>
13	<u>167</u>	<u>126</u>
14	<u>133</u>	<u>80</u>
15	<u>79</u>	<u>75</u>
16	<u>53</u>	<u>75</u>
17	<u>157</u>	<u>143</u>
18	<u>130</u>	<u>118</u>
19	<u>77</u>	<u>80</u>
20	<u>57</u>	<u>74</u>
21	<u>143</u>	<u>NC</u>
22	<u>116</u>	<u>NC</u>
23	<u>95</u>	<u>NC</u>
24	<u>70</u>	<u>NC</u>
25	<u>79</u>	<u>140</u>
26	<u>80 66</u>	<u>115</u>
27	<u>82</u>	<u>80</u>
28	<u>52</u>	<u>75</u>
29	<u>140</u>	<u>75</u>
30	<u>125</u>	<u>148</u>
31	<u>61</u>	<u>110</u>
32	<u>55</u>	<u>72</u>

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0130
Date 3/22

Point No.	Temperature °F				
	107-SX	108-SX	109SX	112SX	114SX
1	151	135	172	152	228
2	110	101	171	142	188
3	85	88	159	118	125
4	67	87	140	98	124
5	158	156	146	127	288
6	133	132	140	118	280
7	98	93	126	102	261
8	68	86	108	88	239
9	170	164	169	108	285
10	143	132	172	92	276
11	106	91	167	77	255
12	62	84	155	68	227
13	169	133	155	118	277
14	139	89	153	100	287
15	88	83	145	80	266
16	64	83	127	72	234
17	158	147	144	107	282
18	135	125	143	92	277
19	82	88	139	98	264
20	67	83	133	70	236
21	144	NC	148	150	236
22	126	X	138	141	138
23	103	X	125	126	124
24	80	X	108	100	125
25	87	143	150	115	223
26	70	122	145	97	173
27	65	88	130	81	124
28	63	85	112	73	124
29	143	153	150	133	220
30	131	118	138	116	160
31	72	82	122	92	124
32	65	82	102	78	124

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1730
Date 3-21-72

Point No.	Temperature °F	
	<u>107-SX</u>	<u>108-SX</u>
1	<u>228</u>	_____
2	<u>180</u>	_____
3	<u>124</u>	_____
4	<u>124</u>	_____
5	<u>288</u>	_____
6	<u>280</u>	_____
7	<u>260</u>	_____
8	<u>235</u>	_____
9	<u>285</u>	_____
10	<u>276</u>	_____
11	<u>255</u>	_____
12	<u>226</u>	_____
13	<u>277</u>	_____
14	<u>287</u>	_____
15	<u>260</u>	_____
16	<u>234</u>	_____
17	<u>283</u>	_____
18	<u>277</u>	_____
19	<u>264</u>	_____
20	<u>235</u>	_____
21	<u>231</u>	_____
22	<u>134</u>	_____
23	<u>124</u>	_____
24	<u>124</u>	_____
25	<u>223</u>	_____
26	<u>171</u>	_____
27	<u>124</u>	_____
28	<u>124</u>	_____
29	<u>220</u>	_____
30	<u>161</u>	_____
31	<u>124</u>	_____
32	<u>124</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____
Date 3-21-72

1030

Point No.	114-SX temperature °F	108-SX
	107-SX	
1	<u>228</u>	_____
2	<u>180</u>	_____
3	<u>124</u>	_____
4	<u>124</u>	_____
5	<u>288</u>	_____
6	<u>281</u>	_____
7	<u>261</u>	_____
8	<u>238</u>	_____
9	<u>285</u>	_____
10	<u>276</u>	_____
11	<u>255</u>	_____
12	<u>227</u>	_____
13	<u>278</u>	_____
14	<u>282</u>	_____
15	<u>261</u>	_____
16	<u>232</u>	_____
17	<u>282</u>	_____
18	<u>277</u>	_____
19	<u>263</u>	_____
20	<u>235</u>	_____
21	<u>233</u>	_____
22	<u>135</u> ✓	_____
23	<u>124</u>	_____
24	<u>124</u>	_____
25	<u>222</u>	_____
26	<u>271</u>	_____
27	<u>124</u>	_____
28	<u>124</u>	_____
29	<u>222</u> ✓	_____
30	<u>126</u> ✓	_____
31	<u>124</u>	_____
32	<u>124</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 9:00
Date 3/24/72

Temperature °F

Point No.

	<u>107-SX</u>	<u>108-SX</u>	<u>109</u>	<u>112</u>	<u>114</u>
1	<u>151</u>	<u>136</u>	<u>172</u> (77) ✓	<u>158</u> (77)	<u>237</u>
2	<u>110</u>	<u>101</u>	<u>171</u>	<u>142</u>	<u>157</u>
3	<u>85</u>	<u>88</u>	<u>159</u>	<u>118</u>	<u>125</u>
4	<u>65</u>	<u>86</u>	<u>140</u>	<u>98</u>	<u>126</u>
5	<u>157</u>	<u>157</u>	<u>146</u>	<u>124</u> (77)	<u>288</u>
6	<u>134</u>	<u>133</u>	<u>139</u>	<u>118</u>	<u>281</u>
7	<u>78</u>	<u>92</u>	<u>126</u>	<u>103</u>	<u>261</u>
8	<u>66</u>	<u>84</u>	<u>108</u>	<u>88</u>	<u>232</u>
9	(77) ✓ <u>170</u>	(73) ✓ <u>164</u>	<u>129</u>	<u>108</u>	<u>282</u>
10	<u>143</u>	<u>132</u>	<u>172</u>	<u>92</u>	<u>276</u>
11	<u>99</u>	<u>90</u>	<u>167</u>	<u>76</u>	<u>256</u>
12	<u>60</u>	<u>85</u>	<u>155</u>	<u>68</u>	<u>258</u>
13	<u>169</u>	<u>134</u>	<u>154</u>	<u>118</u>	<u>298</u>
14	<u>139</u>	<u>88</u>	<u>153</u>	<u>100</u>	<u>287</u>
15	<u>87</u>	<u>83</u>	<u>145</u>	<u>80</u>	<u>262</u>
16	<u>62</u>	<u>83</u>	<u>129</u>	<u>71</u>	<u>234</u>
17	<u>159</u>	<u>147</u>	<u>144</u>	<u>107</u>	<u>283</u>
18	<u>135</u>	<u>125</u>	<u>143</u>	<u>91</u>	<u>278</u>
19	<u>86</u>	<u>88</u>	<u>139</u>	<u>77</u>	<u>264</u>
20	<u>65</u>	<u>82</u>	<u>133</u>	<u>68</u>	<u>235</u>
21	<u>144</u>	<u>NG</u>	<u>148</u>	<u>150</u>	<u>224</u>
22	<u>121</u>	<u>X</u>	<u>137</u>	<u>146</u>	<u>145</u>
23	<u>103</u>	<u>X</u>	<u>124</u>	<u>120</u>	<u>136</u>
24	<u>78</u>	<u>X</u>	<u>108</u>	<u>101</u>	<u>126</u>
25	<u>87</u>	<u>144</u>	<u>149</u>	<u>115</u>	<u>222</u>
26	<u>69</u>	<u>122</u>	<u>145</u>	<u>97</u>	<u>175</u>
27	<u>62</u>	<u>87</u>	<u>130</u>	<u>80</u>	<u>128</u>
28	<u>61</u>	<u>83</u>	<u>112</u>	<u>71</u>	<u>125</u>
29	<u>144</u>	<u>153</u>	<u>150</u>	<u>134</u>	<u>224</u>
30	<u>132</u>	<u>118</u>	<u>138</u>	<u>117</u>	<u>162</u>
31	<u>70</u>	<u>81</u>	<u>122</u>	<u>92</u>	<u>126</u>
32	<u>63</u>	<u>80</u>	<u>102</u>	<u>78</u>	<u>125</u>

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1740Date 3-23-72

4-4-12

Point No.	Temperature °F	
	207 -SX	108-SX
1	276	
2	180	
3	126	
4	126	
5	288	
6	280	
7	265	
8	282	
9	285	
10	275	
11	260	
12	227	
13	278	
14	282	
15	272	
16	238	
17	283	
18	278	
19	268	
20	236	
21	224	
22	144	
23	126	
24	126	
25	222	
26	174	
27	127	
28	126	
29	224	
30	162	
31	126	
32	125	

241-SX SLUDGE PROFILE TEMPERATURES

BEST AVAILABLE COPY

TIME 1400 DATE 2-23-72

1) T.C. → Elevation (in.) → T.C. Probe TK-107 ↓									Recorder Pts. #
	1 4	2 12	3 21	4 29	5 38	6 46	7 54	8 62	
1	151		110		85		67		1-4
2	157		133		97		68		5-8
3	169		143		99		64		9-12
4	169		139		88		65		13-16
5	158		134		85		67		17-20
6	144		120		102		78		21-24
7	86		69		62		61		25-28
8	143		130		71		65		29-32
TK-108									
1	135		101		88		86		1-4
2	155		132		92		85		5-8
3	164		131		90		85		9-12
4	133		89		83		83		13-16
5	146		124		88		83		17-20
6	NG		NG		NG		100		21-24
7	143		120		87		83		25-28
8	152		117		81		81		29-32
TK-109									
1	171		170		159		140		1-4
2	145		139		125		108		5-8
3	169		172		162		155		9-12
4	155		153		144		127		13-16
5	145		142		138		133		17-20
6	147		132		124		109		21-24
7	150		144		129		111		25-28
8	150		137		120		102		29-32
TK-110									
1	131	NG	131	131					1-4
2	210	204	190	170					5-8
3	236	230	215	195					9-12
4	204	194	177	157					13-16
5	221	215	199	181					17-20
6	198	194	180	163					21-24
7	208	204	192	176					25-28
8	175	164	140	131					29-32
TK-111									
1	124	124	124	124					1-4
2	216	212	181	175					5-8
3	124	124	124	124					9-12
4	205	205	200	186					13-16
5	178	178	178	178					17-20
6	125	125	125	125					21-24
7	167	160	137	95					25-28
8	163	156	144	126					29-32

Probe Locations

Above Tip of Probe

WMC
11-19-71

BEST AVAILABLE COPY

-2-

T.C. →

Elevation (in.) →

TK-112

Probe Nos. ↓

	1	2	3	4	5	6	7	8	
	4	12	21	29	38	46	54	62	
1	152	141	117	96					1-4
2	127	118	103	87					5-8
3	108	91	77	69					9-12
4	117	100	79	72					13-16
5	106	91	77	71					17-20
6	150	140	120	100					21-24
7	115	96	80	72					25-28
8	134	115	91	78					29-32

TK-114

1	227		180		127		135		1-4
2	288		281		260		232		5-8
3	285		276		253		227		9-12
4	279		288		261		235		13-16
5	284		279		264		235		17-20
6	225		195		126		126		21-24
7	223		175		126		125		25-28
8	224		161		125		125		29-32

TK-105

1	83	76	69	69					1-4
2	86	82	74	70					5-8
3									9-12
4									13-16
5									17-20
6									21-24
7									25-28
8									29-32

Probe Locations

WMC
9-15-71
88

DATA SHEET

241-SX SLUDGE COOLER PROCEDURE

Date 3/23/72 Time of Readings Dry 1730 Swing 1730 G.Y. 0210
 OPS SCARY

Underground Tanks

Outlet Air Temperatures (°F)

TK No. TR-SX-2 Pt#

107	17
108	18
109	19
110	20
111	21
112	22
114	23

Graveyard

Dey

Swing

68	66	68
65	66	68
62	59	62
118	116	118
116	118	116
72	68	72
115	114	114

Maximum Sludge Temperatures

(°F) at 4" from tip of probe.

Record the maximum Temperature

for each group of 8 T.C.#'s

Tk No. Recorder Point No.

109	TR-SX-1	1 to 8
110	TR-SX-1	9 to 16
111	TR-SX-1	17 to 24
112	TR-SX-2	1 to 8
114	TR-SX-2	9 to 16

170	170	170
254	257	256
260	238	257
162	160	160
295	296	296

Air Heater

Steam Supply (psig)

Inlet TI-1-1 E (°F)

Outlet North (°)

Center (°)

South (°)

Outlet TI-1-2-W (°F)

87	98	94
58	65	70
115	132	110
100	118	106
128	88	112
108	113	116

Filters

Air Inlet T°C (TR-SZ-1)

North dp (in.W.G.) (dI-1-1)

(dI-1-2)

Center dp (in.W.G.) (dI-1-3)

(dI-1-4)

South dp (in.W.G.) (dI-1-5)

(dI-1-6)

52		56
X	X	
3.9	.4	4.0
105	105	103
1.95	2.2	2.2
.7	.7	.65

Seal Pot Liquid Level (in.W.G.)

Exhaust Fans

Fan Operating (N &/or S)

Stack Flow (FPM x 1000)

Stack °F

Stack Radiation (RR-SX-1)

% Chart

Range (10, 10², 10³, 10⁴)

Multiplier (1X, 2X, 5X, 10X)

Operating (yes, No)

10.5	11.7	11.7
N	N	N
1.45	1.28	1.38
85	70	95
8	7	8
10	10	10
X1	X1	X1
YES	YES	YES

meB
2-27-71

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 3/23/72Date 0100Temperature °F

Point No.	107-SX	108-SX	109	112	1145X
1	151	136	172	157	288
2	111	171	142	142	181
3	85	88	159	118	129
4	66	87	140	99	125
5	158	156	146	128	288
6	134	133	140	119	281
7	98	93	126	103	262
8	68	85	108	88	233
9	170	164	108	108	297
10	144	132	173	92	275
11	100	90	167	77	256
12	61	86	156	67	227
13	169	134	155	118	278
14	139	89	154	100	287
15	87	83	145	80	262
16	67	54	127	71	235
17	159	147	145	107	283
18	135	125	143	92	278
19	86	88	139	78	265
20	66	83	133	70	236
21	145	NC	149	150	229
22	121	1	138	142	143
23	103	1	125	120	126
24	79	1	109	101	125
25	87	143	150	115	273
26	70	122	146	98	174
27	64	88	131	80	157
28	62	83	111	72	125
29	144	153	150	83	273
30	132	118	138	116	120
31	72	81	122	92	125
32	64	81	102	78	124

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1930

Date 3-22-72

Point No.	Temperature °F	
	108 -SX	108-SX
1	<u>275</u>	_____
2	<u>176</u>	_____
3	<u>126</u>	_____
4	<u>125</u>	_____
5	<u>278</u>	_____
6	<u>278</u>	_____
7	<u>265</u>	_____
8	<u>231</u>	_____
9	<u>277</u>	_____
10	<u>275</u>	_____
11	<u>255</u>	_____
12	<u>226</u>	_____
13	<u>276</u>	_____
14	<u>285</u>	_____
15	<u>260</u>	_____
16	<u>235</u>	_____
17	<u>280</u>	_____
18	<u>276</u>	_____
19	<u>265</u>	_____
20	<u>235</u>	_____
21	<u>226</u>	_____
22	<u>145</u>	_____
23	<u>125</u>	_____
24	<u>125</u>	_____
25	<u>222</u>	_____
26	<u>175</u>	_____
27	<u>125</u>	_____
28	<u>125</u>	_____
29	<u>220</u>	_____
30	<u>160</u>	_____
31	<u>125</u>	_____
32	<u>125</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0930
Date 3-22-72

Point No.	<u>Temperature °F</u>	
	<u>101-SX</u>	<u>108-SX</u>
1	<u>228</u>	_____
2	<u>180</u>	_____
3	<u>125</u>	_____
4	<u>124</u>	_____
5	<u>288</u>	_____
6	<u>280</u>	_____
7	<u>261</u>	_____
8	<u>233</u>	_____
9	<u>285</u>	_____
10	<u>276</u>	_____
11	<u>255</u>	_____
12	<u>227</u>	_____
13	<u>277</u>	_____
14	<u>287</u>	_____
15	<u>260</u>	_____
16	<u>234</u>	_____
17	<u>283</u>	_____
18	<u>277</u>	_____
19	<u>264</u>	_____
20	<u>235</u>	_____
21	<u>228</u>	_____
22	<u>141</u>	_____
23	<u>124</u>	_____
24	<u>124</u>	_____
25	<u>222</u>	_____
26	<u>173</u>	_____
27	<u>124</u>	_____
28	<u>124</u>	_____
29	<u>220</u>	_____
30	<u>160</u>	_____
31	<u>124</u>	_____
32	<u>124</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0100
Date 3/21/72
M.H.

Temperature °F

Point No.	107-SX	108-SX	109	112	114
1	151	135	125	156	229
2	110	101	171	141	180
3	85	88	159	118	135
4	66	86	140	97	124
5	157	156	146	127	288
6	133	132	140	119	281
7	97	92	125	103	261
8	67	84	108	88	234
9	169 (76) (73)	164	169	108	285
10	143	132	172	192	276
11	98	90	167	76	255
12	60	85	155	68	228
13	169	133	154	118	278
14	139	88	153	100	287
15	87	83	145	79	261
16	62	83	127	70	234
17	158	147	144	107	282
18	134	125	143	90	277
19	86	139	139	77	263
20	65	82	133	69	236
21	144	NC	148	150	236
22	121	X	137	140	137
23	103	X	125	120	124
24	78	X	109	100	624
25	87	143	150	115	223
26	69	122	145	97	171
27	63	87	130	80	124
28	61	83	112	71	123
29	143	152	150	134	226
30	132	118	138	114	125
31	70	80	122	92	124
32	63	80	102	78	123

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1715
Date 3-20-72

Point No.	Temperature °F	
	207 -SX	108-SX
1	<u>229</u>	_____
2	<u>180</u>	_____
3	<u>124</u>	_____
4	<u>122</u>	_____
5	<u>288</u>	_____
6	<u>280</u>	_____
7	<u>260</u>	_____
8	<u>235</u>	_____
9	<u>285</u>	_____
10	<u>275</u>	_____
11	<u>255</u>	_____
12	<u>228</u>	_____
13	<u>278</u>	_____
14	<u>287</u>	_____
15	<u>260</u>	_____
16	<u>235</u>	_____
17	<u>282</u>	_____
18	<u>277</u>	_____
19	<u>264</u>	_____
20	<u>235</u>	_____
21	<u>237</u>	_____
22	<u>138</u>	_____
23	<u>122</u>	_____
24	<u>122</u>	_____
25	<u>224</u>	_____
26	<u>170</u>	_____
27	<u>122</u>	_____
28	<u>121</u>	_____
29	<u>230</u>	_____
30	<u>125</u>	_____
31	<u>121</u>	_____
32	<u>121</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1300
Date 3-20-72

Point No.	Temperature °F	
	107-SX	108-SX
1	<u>229</u>	_____
2	<u>180</u>	_____
3	<u>123</u>	_____
4	<u>123</u>	_____
5	<u>288</u>	_____
6	<u>281</u>	_____
7	<u>261</u>	_____
8	<u>244</u>	_____
9	<u>285</u>	_____
10	<u>276</u>	_____
11	<u>253</u>	_____
12	<u>228</u>	_____
13	<u>278</u>	_____
14	<u>287</u>	_____
15	<u>260</u>	_____
16	<u>244</u>	_____
17	<u>283</u>	_____
18	<u>277</u>	_____
19	<u>263</u>	_____
20	<u>236</u>	_____
21	<u>238</u>	_____
22	<u>138</u>	_____
23	<u>123</u>	_____
24	<u>123</u>	_____
25	<u>224</u>	_____
26	<u>170</u>	_____
27	<u>123</u>	_____
28	<u>123</u>	_____
29	<u>231</u>	_____
30	<u>124</u>	_____
31	<u>123</u>	_____
32	<u>122</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0100
Date 3/20/72
M.H.

Point No.	Temperature °F				
	112-SX	107-SX	109-SX	108-SX	114-SX
1	156✓	151	172	135	228
2	140	110	171	101	180
3	118	85	159	98	123
4	98	66	140	86	123
5	127	157	146	155	288✓
6	119	133	140	132	280
7	103	98	124	98	261
8	88	67	103	84	235
9	108	169✓	169	164✓	285
10	92	143	173✓	132	276
11	77	99	168	90	256
12	68	60	155	85	228
13	118	169	155	133	278
14	100	138	154	88	287
15	79	88	145	83	261
16	71	62	127	83	235
17	107	158	145	146	282
18	92	134	144	125	277
19	78	86	140	88	263
20	69	65	138	83	237
21	150	144	148	NG	242
22	140	120	138	NG	140✓
23	120	102	125	NG	123
24	100	79	109	NG	123
25	115	87	150	143	223
26	98	70	146	122	172
27	81	64	130	87	123
28	71	62	112	83	122
29	133	143	150	152	237✓
30	116	131	138	118	125✓
31	91	71	122	81	123
32	78	63	102	80	123

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 3-19
Date 8-4 0900

Point No.

Temperature °F

	107-SX	108-SX
1	<u>230</u>	_____
2	<u>180</u>	_____
3	<u>122</u>	_____
4	<u>122</u>	_____
5	<u>288</u>	_____
6	<u>280</u>	_____
7	<u>260</u>	_____
8	<u>235</u>	_____
9	<u>285</u>	_____
10	<u>275</u>	_____
11	<u>255</u>	_____
12	<u>229</u>	_____
13	<u>227</u>	_____
14	<u>286</u>	_____
15	<u>260</u>	_____
16	<u>235</u>	_____
17	<u>282</u>	_____
18	<u>276</u>	_____
19	<u>262</u>	_____
20	<u>236</u>	_____
21	<u>247</u>	_____
22	<u>152</u> ✓	_____
23	<u>122</u>	_____
24	<u>122</u>	_____
25	<u>224</u>	_____
26	<u>169</u>	_____
27	<u>120</u>	_____
28	<u>120</u>	_____
29	<u>245</u> ✓	_____
30	<u>126</u> ✓	_____
31	<u>120</u>	_____
32	<u>120</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 3/19/92
Date 0043

114-SX

Temperature °F

<u>Point No.</u>	<u>107 SX</u>	<u>108 SX</u>
1	<u>230</u>	<u> </u>
2	<u>180</u>	<u> </u>
3	<u>122</u>	<u> </u>
4	<u>122</u>	<u> </u>
5	<u>288</u>	<u> </u>
6	<u>288</u>	<u> </u>
7	<u>262</u>	<u> </u>
8	<u>230</u>	<u> </u>
9	<u>284</u>	<u> </u>
10	<u>216</u>	<u> </u>
11	<u>255</u>	<u> </u>
12	<u>228</u>	<u> </u>
13	<u>211</u>	<u> </u>
14	<u>282</u>	<u> </u>
15	<u>261</u>	<u> </u>
16	<u>235</u>	<u> </u>
17	<u>282</u>	<u> </u>
18	<u>211</u>	<u> </u>
19	<u>263</u>	<u> </u>
20	<u>231</u>	<u> </u>
21	<u>250</u>	<u> </u>
22	<u>170</u> ✓	<u> </u>
23	<u>122</u>	<u> </u>
24	<u>122</u>	<u> </u>
25	<u>224</u>	<u> </u>
26	<u>170</u>	<u> </u>
27	<u>122</u>	<u> </u>
28	<u>121</u>	<u> </u>
29	<u>252</u> ✓	<u> </u>
30	<u>131</u> ✓	<u> </u>
31	<u>122</u>	<u> </u>
32	<u>122</u>	<u> </u>

21/11

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1655
Date 3-19-72

Point No.	<u>144</u> Temperature °F	
	<u>107-SX</u>	<u>108-SX</u>
1	<u>230</u>	
2	<u>180</u>	
3	<u>120</u>	
4	<u>120</u>	
5	<u>287</u>	
6	<u>280</u>	
7	<u>260</u>	
8	<u>235</u>	
9	<u>285</u>	
10	<u>275</u>	
11	<u>255</u>	
12	<u>229</u>	
13	<u>278</u>	
14	<u>286</u>	
15	<u>260</u>	
16	<u>235</u>	
17	<u>282</u>	
18	<u>276</u>	
19	<u>263</u>	
20	<u>235</u>	
21	<u>245</u>	
22	<u>145</u> ✓	
23	<u>120</u>	
24	<u>120</u>	
25	<u>225</u>	
26	<u>170</u>	
27	<u>120</u>	
28	<u>120</u>	
29	<u>241</u> ✓	
30	<u>125</u> ✓	
31	<u>120</u>	
32	<u>120</u>	

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1715
Date 3-18-72

Point No.	114 Temperature °F	
	107 -SX	108-SX
1	<u>230</u>	_____
2	<u>180</u>	_____
3	<u>120</u>	_____
4	<u>120</u>	_____
5	<u>287</u>	_____
6	<u>280</u>	_____
7	<u>260</u>	_____
8	<u>235</u>	_____
9	<u>285</u>	_____
10	<u>275</u>	_____
11	<u>255</u>	_____
12	<u>229</u>	_____
13	<u>277</u>	_____
14	<u>286</u>	_____
15	<u>260</u>	_____
16	<u>235</u>	_____
17	<u>282</u>	_____
18	<u>276</u>	_____
19	<u>262</u>	_____
20	<u>236</u>	_____
21	<u>253</u>	_____
22	<u>175</u> ✓	_____
23	<u>120</u>	_____
24	<u>120</u>	_____
25	<u>225</u>	_____
26	<u>170</u>	_____
27	<u>120</u>	_____
28	<u>120</u>	_____
29	<u>231</u> ✓	_____
30	<u>147</u> ✓	_____
31	<u>120</u>	_____
32	<u>120</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1030
Date 3-10-72

Point No.	Temperature °F	
	105-SX	106-SX
1	85	240
2	78	187
3	70	123
4	69	123
5	87	285
6	85	277
7	75	262
8	76	240
9		277
10		275
11		257
12		232
13		274
14		284
15		260
16		237
17		280
18		273
19		264
20		238
21		257
22		230
23		188
24		152
25		233
26		175
27		123
28		123
29		263
30		241
31		212
32		177

241-SX SLUDGE PROFILE TEMPERATURES

TIME 10:45 DATE 3-9-72

BEST AVAILABLE COPY

1) T.C. Elevation (in.) →	1 4	2 12	3 21	4 29	5 38	6 46	7 54	8 62	Recorder Pts. #
T.C. Probe									
TK-107	150		107		82		63		1-4
	156		131		83		64		5-8
	167		140		84		58		9-12
	163		135		83		60		13-16
	157		131		82		63		17-20
	143		118		100		75		21-24
	83		65		58		57		25-28
	141		127		68		61		29-32
TK-108	133		88		85		83		1-4
	152		120		89		82		5-8
	162		129		87		83		9-12
	130		86		80		81		13-16
	144		124		85		80		17-20
	116		115		116		116		21-24
	125		118		85		82		25-28
	150		115		79		79		29-32
TK-109	173		171		160		140		1-4
	146		140		125		108		5-8
	170		173		167		155		9-12
	155		154		145		126		13-16
	145		142		128		132		17-20
	147		138		125		110		21-24
	149		145		130		110		25-28
	150		138		122		102		29-32
TK-110	132	162	132	132					1-4
	210	205	190	75					5-8
	281	230	215	195					9-12
	201	185	176	156					13-16
	220	215	200	181					17-20
	200	198	182	162					21-24
	207	205	192	176					25-28
	175	162	135	132					29-32
TK-111	111	111	111	111	103	103	103	103	1-4
	218	213	204	175	111	111	111	111	5-8
	111	111	111	111	103	103	103	103	9-12
	206	206	200	186	111	111	111	111	13-16
	111	111	111	111	177	150	124	237	17-20
	124	124	124	124	111	111	111	111	21-24
	111	111	111	111	156	160	170	144	25-28
	162	156	142	135	111	111	111	111	29-32

Probe Locations

Above Tip of Probe

WMC
11-17-71

102

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Point No.	HI Temps TANK	Time	Temperature °F	Time
		0130	114	Date 3-8-72
		107-SX	108-SX	
1	107 = 168°	240	245	
2	108 = 161°	193	192	
3	109 = 173°	120	120	
4	112 = 152°	120	120	
5		283	283	
6		275	275	
7		260	260	
8		240	240	
9		280	280	
10		272	272	
11		255	255	
12		231	231	
13		272	273	
14		281	281	
15		260	260	
16		238	238	
17		278	278	
18		273	273	
19		260	260	
20		240	240	
21		257	257	
22		230	230	
23		185	185	
24		145	145	
25		236	236	
26		180	180	
27		120	120	
28		120	120	
29		260	260	
30		240	240	
31		213	213	
32		175	175	

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1050
Date 3-8-72

Point No.	Temperature °F	
	<u>107-SX</u>	<u>108-SX</u>
1	<u>85</u>	<u>245</u>
2	<u>80</u>	<u>192</u>
3	<u>73</u>	<u>121</u>
4	<u>73</u>	<u>120</u>
5	<u>88</u>	<u>285</u>
6	<u>85</u>	<u>276</u>
7	<u>76</u>	<u>262</u>
8	<u>72</u>	<u>240</u>
9	_____	<u>280</u>
10	_____	<u>273</u>
11	_____	<u>256</u>
12	_____	<u>232</u>
13	_____	<u>274</u>
14	_____	<u>283</u>
15	_____	<u>262</u>
16	_____	<u>240</u>
17	_____	<u>279</u>
18	_____	<u>275</u>
19	_____	<u>262</u>
20	_____	<u>239</u>
21	_____	<u>263</u>
22	_____	<u>230</u>
23	_____	<u>186</u>
24	_____	<u>145</u>
25	_____	<u>256</u>
26	_____	<u>177</u>
27	_____	<u>120</u>
28	_____	<u>119</u>
29	_____	<u>262</u>
30	_____	<u>241</u>
31	_____	<u>213</u>
32	_____	<u>176</u>

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1100
Date 3-8-72

Point No.	Temperature °F	
	105-SX	108-SX
1	85	248
2	80	196
3	70	118
4	72	118
5	87	283
6	85	275
7	75	262
8	72	241
9		280
10		273
11		256
12		233
13		274
14		282
15		261
16		239
17		280
18		274
19		261
20		239
21		258
22		230
23		185
24		139
25		238
26		182
27		118
28		118
29		262
30		240
31		214
32		175

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1840 + 2300
Date 3/7-12

Temperature °F

Point No.

1
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32

~~107-SX~~

~~246~~
~~194~~
~~120~~
~~148~~
~~282~~
~~268~~
~~241~~
~~241~~
~~279~~
~~232~~
~~250~~
~~232~~
~~273~~
~~281~~
~~260~~
~~238~~
~~278~~
~~246~~
~~268~~
~~257~~
~~250~~
~~186~~
~~142~~
~~241~~
~~181~~
~~180~~
~~128~~
~~261~~
~~241~~
~~243~~
~~246~~
~~176~~

~~108-SX~~

~~245~~ 245
~~194~~ 194
~~120~~ 120
~~119~~ 119
~~282~~ 282
~~275~~ 275
~~261~~ 261
~~241~~ 241
~~279~~ 279
~~272~~ 272
~~256~~ 256
~~232~~ 232
~~273~~ 272
~~281~~ 282
~~260~~ 260
~~238~~ 238
~~278~~ 278
~~274~~ 273
~~261~~ 261
~~238~~ 238
~~257~~ 257
~~230~~ 238
~~187~~ 187
~~142~~ 144
~~237~~ 237
~~182~~ 181
~~121~~ 121
~~120~~ 128
~~260~~ 260
~~241~~ 240
~~213~~ 213
~~176~~ 176

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 3-7-72

Point No.	111 Temps	114 Temperature °F 107-SX @ 0130	114 100-SX @ 0455
1	107 = 168°	<u>248</u>	<u>246</u>
2	108 = 162°	<u>200</u>	<u>198</u>
3	109 = 174°	<u>120</u>	<u>120</u>
4	112 = 154°	<u>118</u>	<u>118</u>
5		<u>282</u>	<u>282</u>
6		<u>274</u>	<u>274</u>
7		<u>260</u>	<u>260</u>
8		<u>240</u>	<u>240</u>
9		<u>280</u>	<u>280</u>
10		<u>271</u>	<u>270</u>
11		<u>256</u>	<u>255</u>
12		<u>232</u>	<u>232</u>
13		<u>272</u>	<u>272</u>
14		<u>280</u>	<u>280</u>
15		<u>260</u>	<u>260</u>
16		<u>239</u>	<u>239</u>
17		<u>279</u>	<u>279</u>
18		<u>273</u>	<u>273</u>
19		<u>260</u>	<u>260</u>
20		<u>240</u>	<u>240</u>
21		<u>257</u>	<u>256</u>
22		<u>230</u>	<u>230</u>
23		<u>185</u>	<u>185</u>
24		<u>130</u>	<u>136</u>
25		<u>238</u>	<u>238</u>
26		<u>185</u>	<u>185</u>
27		<u>120</u>	<u>120</u>
28		<u>118</u>	<u>118</u>
29		<u>260</u>	<u>260</u>
30		<u>240</u>	<u>240</u>
31		<u>213</u>	<u>213</u>
32		<u>175</u>	<u>175</u>

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

114-SX Time 1710 + 2300 mN
Date 3/6/72

Temperature °F

Point No.	107-SX	108-SX
1	<u>248</u>	<u>247</u>
2	<u>201</u>	<u>200</u>
3	<u>118</u>	<u>118</u>
4	<u>118</u>	<u>118</u>
5	<u>281</u>	<u>282</u>
6	<u>274</u>	<u>274</u>
7	<u>261</u>	<u>261</u>
8	<u>241</u>	<u>241</u>
9	<u>277</u>	<u>278</u>
10	<u>271</u>	<u>271</u>
11	<u>256</u>	<u>256</u>
12	<u>232</u>	<u>232</u>
13	<u>272</u>	<u>272</u>
14	<u>279</u>	<u>280</u>
15	<u>259</u>	<u>260</u>
16	<u>238</u>	<u>238</u>
17	<u>277</u>	<u>278</u>
18	<u>272</u>	<u>272</u>
19	<u>258</u>	<u>259</u>
20	<u>238</u>	<u>239</u>
21	<u>257</u>	<u>257</u>
22	<u>231</u>	<u>231</u>
23	<u>187</u>	<u>187</u>
24	<u>133</u>	<u>135</u>
25	<u>238</u>	<u>238</u>
26	<u>187</u>	<u>186</u>
27	<u>119</u>	<u>119</u>
28	<u>118</u>	<u>118</u>
29	<u>258</u>	<u>259</u>
30	<u>239</u> 239	<u>239</u>
31	<u>213</u>	<u>213</u>
32	<u>176</u>	<u>176</u>

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1015
Date 6 March 72

Point No.	Temperature °F	
	101-SX	102-SX
1	84	248
2	77	202
3	71	117
4	71	116
5	87	283
6	83	274
7	76	262
8	71	242
9	—	274
10	—	271
11	—	256
12	—	178
13	—	273
14	—	281
15	—	260
16	—	239
17	—	277
18	—	273
19	—	261
20	—	240
21	—	258
22	—	232
23	—	188
24	—	130
25	—	240
26	—	188
27	—	117
28	—	117
29	—	260
30	—	240
31	—	214
32	—	175

~~7075~~

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 3-6-72

Point No.	H ₁ Temps	Temperature °F	
		114	114
		107-SX @ 0200	100-SX @
1	107 = 167°	248	_____
2	108 = 160°	206	_____
3	109 = 172°	116	_____
4	112 = 153°	116	_____
5		281	_____
6		274	_____
7		260	_____
8		241	_____
9		277	_____
10		270	_____
11		255	_____
12		232	_____
13		271	_____
14		280	_____
15		260	_____
16		239	_____
17		277	_____
18		270	_____
19		260	_____
20		240	_____
21		256	_____
22		232	_____
23		192	_____
24		125	_____
25		240	_____
26		192	_____
27		117	_____
28		116	_____
29		260	_____
30		240	_____
31		214	_____
32		177	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1700 + 2300
Date 3/5/72

Temperature °F

Point No.

	107-EX	108-EX
1	<u>248</u>	<u>248</u>
2	<u>209</u>	<u>209</u>
3	<u>117</u>	<u>117</u>
4	<u>116</u>	<u>116</u>
5	<u>280</u>	<u>281</u>
6	<u>292</u>	<u>292</u>
7	<u>260</u>	<u>260</u>
8	<u>242</u>	<u>242</u>
9	<u>296</u>	<u>297</u>
10	<u>270</u>	<u>270</u>
11	<u>255</u>	<u>255</u>
12	<u>232</u>	<u>232</u>
13	<u>271</u>	<u>271</u>
14	<u>278</u>	<u>278</u>
15	<u>268</u>	<u>258</u>
16	<u>238</u>	<u>238</u>
17	<u>276</u>	<u>276</u>
18	<u>269</u>	<u>270</u>
19	<u>258</u>	<u>258</u>
20	<u>239</u>	<u>239</u>
21	<u>255</u>	<u>256</u>
22	<u>232</u>	<u>232</u>
23	<u>197</u> ←	<u>193</u>
24	<u>117</u> ←	<u>120</u>
25	<u>239</u>	<u>239</u>
26	<u>195</u>	<u>193</u>
27	<u>117</u>	<u>117</u>
28	<u>116</u>	<u>116</u>
29	<u>258</u>	<u>258</u>
30	<u>239</u>	<u>239</u>
31	<u>212</u>	<u>213</u>
32	<u>179</u>	<u>178</u>

111/

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 3-5-72

Point No.	TIME		Temperature °F	
	0100	114	TIME 0630	114
		107-SX	108-SX	
1		248	248	
2		213	211	
3	160 42	118	125 (33) 117	117
4	25	115	117	115
5		280		280
6		270		271
7		260		260
8		242		242
9		275		275
10		270		270
11		255		255
12		232		232
13		270		270
14		277		278
15		260		260
16		240		238
17		276		275
18		270		270
19		260		260
20		240		240
21		255		255
22		234		232
23		209		202
24		176		170
25		240		240
26		200		198
27	154 35	120	117 (33) 115	115
28	25	115	115	115
29		258		258
30		240		240
31		212		212
32		288		184

- 43° in 2 days

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 3-18
Date 8-4 0900

Point No.	Temperature °F	
	207-SX 114-SX	108-SX
1	<u>236</u>	_____
2	<u>186</u>	_____
3	<u>122</u>	_____
4	<u>122</u>	_____
5	<u>288</u>	_____
6	<u>288</u>	_____
7	<u>262</u>	_____
8	<u>230</u>	_____
9	<u>284</u>	_____
10	<u>276</u>	_____
11	<u>255</u>	_____
12	<u>228</u>	_____
13	<u>277</u>	_____
14	<u>282</u>	_____
15	<u>261</u>	_____
16	<u>235</u>	_____
17	<u>282</u>	_____
18	<u>277</u>	_____
19	<u>263</u>	_____
20	<u>231</u>	_____
21	<u>250</u>	_____
22	<u>170</u> ✓	_____
23	<u>122</u>	_____
24	<u>122</u>	_____
25	<u>224</u>	_____
26	<u>170</u>	_____
27	<u>122</u>	_____
28	<u>121</u>	_____
29	<u>252</u> ✓	_____
30	<u>131</u> ✓	_____
31	<u>122</u>	_____
32	<u>122</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 3/18/72114-SX

0/100 Temperature °F

Point No.

~~107-SX~~~~108-SX~~

1	<u>231</u>	_____
2	<u>181</u>	_____
3	<u>120</u>	_____
4	<u>120</u>	_____
5	<u>287</u>	_____
6	<u>279</u>	_____
7	<u>262</u>	_____
8	<u>236</u>	_____
9	<u>283</u>	_____
10	<u>275</u>	_____
11	<u>255</u>	_____
12	<u>229</u>	_____
13	<u>277</u>	_____
14	<u>286</u>	_____
15	<u>261</u>	_____
16	<u>236</u>	_____
17	<u>282</u>	_____
18	<u>277</u>	_____
19	<u>268</u>	_____
20	<u>237</u>	_____
21	<u>257</u>	_____
22	<u>192</u> ✓	_____
23	<u>120</u>	_____
24	<u>120</u>	_____
25	<u>226</u>	_____
26	<u>171</u>	_____
27	<u>120</u>	_____
28	<u>120</u>	_____
29	<u>268</u> ✓	_____
30	<u>197</u> ✓	_____
31	<u>120</u>	_____
32	<u>119</u>	_____

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114

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1720Date 3-17-72

<u>Point No.</u>	<u>Temperature °F</u>	
	<u>107-SX</u>	<u>108-SX</u>
1	<u>230</u>	_____
2	<u>180</u>	_____
3	<u>120</u>	_____
4	<u>119</u>	_____
5	<u>287</u>	_____
6	<u>280</u>	_____
7	<u>260</u>	_____
8	<u>235</u>	_____
9	<u>284</u>	_____
10	<u>275</u>	_____
11	<u>255</u>	_____
12	<u>230</u>	_____
13	<u>276</u>	_____
14	<u>285</u>	_____
15	<u>260</u>	_____
16	<u>235</u>	_____
17	<u>282</u>	_____
18	<u>276</u>	_____
19	<u>262</u>	_____
20	<u>237</u>	_____
21	<u>258</u>	_____
22	<u>200</u> ✓	_____
23	<u>120</u> :	_____
24	<u>120</u>	_____
25	<u>225</u>	_____
26	<u>170</u>	_____
27	<u>120</u>	_____
28	<u>120</u>	_____
29	<u>265</u> ✓	_____
30	<u>212</u> ✓	_____
31	<u>120</u>	_____
32	<u>120</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 3-16-72

0900

1330

Temperature of

1145x

Point No.107-SX108-SX

1	<u>232</u>	<u>232</u>
2	<u>185</u>	<u>184</u>
3	<u>125</u>	<u>121</u>
4	<u>124</u>	<u>121</u>
5	<u>286</u>	<u>287</u>
6	<u>278</u>	<u>279</u>
7	<u>262</u>	<u>262</u>
8	<u>237</u>	<u>237</u>
9	<u>282</u>	<u>282</u>
10	<u>275</u>	<u>275</u>
11	<u>256</u>	<u>256</u>
12	<u>230</u>	<u>229</u>
13	<u>276</u>	<u>277</u>
14	<u>285</u>	<u>285</u>
15	<u>261</u>	<u>261</u>
16	<u>236</u>	<u>235</u>
17	<u>280</u>	<u>281</u>
18	<u>275</u>	<u>275</u>
19	<u>264</u>	<u>263</u>
20	<u>238</u>	<u>237</u>
21	<u>258</u>	<u>258</u>
22	<u>232</u>	<u>232</u> ✓
23	<u>197</u>	<u>198</u>
24	<u>167</u>	<u>167</u>
25	<u>226</u>	<u>227</u>
26	<u>171</u>	<u>172</u>
27	<u>124</u>	<u>121</u>
28	<u>124</u>	<u>121</u>
29	<u>264</u>	<u>264</u> ✓
30	<u>242</u>	<u>242</u> ✓
31	<u>213</u>	<u>212</u>
32	<u>184</u>	<u>184</u>

Down
4 degrees -

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1730Date 3-16-72

Point No.	Temperature °F	
	<u>114</u> 201-SX	<u>114</u> 100-SX @ 2100
1	<u>231</u>	<u>231</u>
2	<u>183</u>	<u>183</u>
3	<u>120</u>	<u>120</u>
4	<u>120</u>	<u>120</u>
5	<u>286</u>	<u>286</u>
6	<u>280</u>	<u>280</u>
7	<u>262</u>	<u>262</u>
8	<u>236</u>	<u>237</u>
9	<u>283</u>	<u>283</u>
10	<u>275</u>	<u>275</u>
11	<u>255</u>	<u>256</u>
12	<u>230</u>	<u>230</u>
13	<u>276</u>	<u>276</u>
14	<u>285</u>	<u>285</u>
15	<u>261</u>	<u>262</u>
16	<u>235</u>	<u>235</u>
17	<u>281</u>	<u>281</u>
18	<u>275</u>	<u>276</u>
19	<u>265</u>	<u>265</u>
20	<u>237</u>	<u>237</u>
21	<u>258</u>	<u>260</u>
22	<u>232</u>	<u>231</u> ✓
23	<u>195</u>	<u>135</u> *
24	<u>125</u>	<u>120</u>
25	<u>225</u>	<u>225</u>
26	<u>170</u>	<u>172</u>
27	<u>120</u>	<u>120</u>
28	<u>120</u>	<u>120</u>
29	<u>265</u>	<u>265</u> ✓
30	<u>242</u>	<u>242</u> ✓
31	<u>213</u>	<u>214</u>
32	<u>184</u>	<u>184</u>

241-SX SLUDGE PROFILE TEMPERATURES

TIME 0945 DATE 3-16-72

BEST AVAILABLE COPY

T.C. →	1	2	3	4	5	6	7	8	Recorder
1) Elevation (in.) →	4	12	21	29	38	46	54	62	PTS. #
T.C. Probe	#								
TK-107	1	150	108	84	66	1-4			
	2	152	132	95	67	5-8			
	3	168	142	97	62	9-12			
	4	168	137	85	64	13-16			
	5	158	132	88	66	17-20			
	6	143	111	101	76	21-24			
	7	85	67	60	60	25-28			
	8	142	129	70	64	29-32			
TK-108	1	132	100	86	84	1-4			
	2	157	120	90	82	5-8			
	3	162	120	87	87	9-12			
	4	132	88	82	82	13-16			
	5	145	122	97	82	17-20			
	6	116	116	116	116	21-24			
	7	142	120	86	82	25-28			
	8	151	116	80	80	29-32			
TK-109	1	171	170	159	139	1-4			
	2	145	140	125	108	5-8			
	3	168	122	167	155	9-12			
	4	155	157	145	127	13-16			
	5	145	144	139	132	17-20			
	6	148	138	125	110	21-24			
	7	150	145	130	111	25-28			
	8	150	139	120	102	29-32			
TK-110	1	131	132	132	132	1-4			
	2	211	205	190	279	5-8			
	3	236	230	211	195	9-12			
	4	145	194	176	157	13-16			
	5	221	215	197	181	17-20			
	6	202	197	182	165	21-24			
	7	209	205	185	176	25-28			
	8	175	165	149	139	29-32			
TK-111	1	116	116	116	116	1-4			
	2	216	212	150	125	5-8			
	3	116	116	116	116	9-12			
	4	206	206	200	186	13-16			
	5	116	116	116	116	17-20			
	6	124	124	124	124	21-24			
	7	116	116	116	116	25-28			
	8	162	153	142	125	29-32			

Probe Locations

Above Tip of Probe

W-11-71

118

BEST AVAILABLE COPY

3-16-72

-2-

T.C. →

Elevation(in.) →

Probe Nos. ↓

	1	2	3	4	5	6	7	8	
	4	12	21	29	38	46	54	62	
1	155	138	117	96					1-4
2	127	118	102	87					5-8
3	108	90	76	69					9-12
4	116	98	78	71					13-16
5	106	89	76	70					17-20
6	149	139	119	100					21-24
7	114	95	79	72					25-28
8	133	115	90	77					29-32

TK-114

1	282	184	124	124					1-4
2	286	278	261	237					5-8
3	282	274	255	228					9-12
4	276	285	261	235					13-16
5	280	225	264	238					17-20
6	258	237	197	166					21-24
7	226	176	147	124					25-28
8	263	242	213	182					29-32

TK-105

1	83	76	68	68					1-4
2	86	83	73	68					5-8
3									9-12
4									13-16
5									17-20
6									21-24
7									25-28
8									29-32

Probe Locations

WCT
9-21-71
119

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 0100
Date 3-17-72

Point No.	Temperature °F	
	114 SX 107-SX	114 108-SX
1	<u>231</u>	<u>231</u>
2	<u>182</u>	<u>182</u>
3	<u>119</u>	<u>120</u> +1
4	<u>118</u>	<u>119</u> +1
5	<u>287</u>	<u>287</u>
6	<u>278</u>	<u>278</u>
7	<u>212</u>	<u>262</u>
8	<u>237</u>	<u>237</u>
9	<u>283</u>	<u>283</u>
10	<u>275</u>	<u>275</u>
11	<u>255</u>	<u>256</u> +1
12	<u>229</u>	<u>229</u>
13	<u>276</u>	<u>277</u> +1
14	<u>285</u>	<u>285</u>
15	<u>262</u>	<u>262</u>
16	<u>236</u>	<u>236</u>
17	<u>282</u>	<u>282</u>
18	<u>276</u>	<u>276</u>
19	<u>269</u>	<u>263</u> -6
20	<u>237</u>	<u>238</u> +1
21	<u>258</u>	<u>259</u> +1
22	<u>227</u>	<u>217</u> -10
23	<u>123</u>	<u>120</u> -3
24	<u>120</u>	<u>119</u> -1
25	<u>226</u>	<u>226</u>
26	<u>172</u>	<u>172</u>
27	<u>120</u>	<u>120</u>
28	<u>119</u>	<u>119</u>
29	<u>264</u>	<u>264</u>
30	<u>243</u>	<u>238</u> -5
31	<u>213</u>	<u>125</u> -88
32	<u>184</u>	<u>120</u> -64

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1715
Date 3-15-72

Point No.	Temperature °F	
	101-SX	108-SX
1	<u>114</u> <u>231</u>	_____
2	<u>185</u>	_____
3	<u>124</u>	_____
4	<u>124</u>	_____
5	<u>285</u>	_____
6	<u>278</u>	_____
7	<u>242</u>	_____
8	<u>237</u>	_____
9	<u>282</u>	_____
10	<u>275</u>	_____
11	<u>255</u>	_____
12	<u>230</u>	_____
13	<u>275</u>	_____
14	<u>285</u>	_____
15	<u>260</u>	_____
16	<u>235</u>	_____
17	<u>280</u>	_____
18	<u>275</u>	_____
19	<u>265</u>	_____
20	<u>238</u>	_____
21	<u>258</u>	_____
22	<u>230</u> ✓	_____
23	<u>195</u>	_____
24	<u>165</u>	_____
25	<u>226</u>	_____
26	<u>172</u>	_____
27	<u>124</u>	_____
28	<u>124</u>	_____
29	<u>265</u> ✓	_____
30	<u>242</u> ✓	_____
31	<u>212</u>	_____
32	<u>188</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time anyDate 3-15-72

0930

1330

1145X Temperature °F

1145X

Point No.

1

~~307 SX~~
232~~307 SX~~
232

2

186

185

3

127

125

4

126

125

5

286

286

6

277

278

7

262

262

8

237

237

9

282

282

10

274

274

11

256

256

12

230

230

13

276

276

14

284

284

15

261

261

16

236

235

17

280

280

18

275

274

19

264

264

20

239

238

21

258

257

22

231

231

23

196

196

24

165

164

25

227

227

26

273

173

27

126

124

28

126

124

29

264

264

30

242

242

31

213

213

32

183

182

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1300Date 3-13-72

Point No.	1145 Temperature °F	107-SX 108-SX
1	<u>235</u>	_____
2	<u>185</u>	_____
3	<u>125</u>	_____
4	<u>125</u>	_____
5	<u>285</u>	_____
6	<u>278</u>	_____
7	<u>262</u>	_____
8	<u>239</u>	_____
9	<u>283</u>	_____
10	<u>275</u>	_____
11	<u>256</u>	_____
12	<u>230</u>	_____
13	<u>276</u>	_____
14	<u>284</u>	_____
15	<u>260</u>	_____
16	<u>236</u>	_____
17	<u>280</u>	_____
18	<u>274</u>	_____
19	<u>264</u>	_____
20	<u>238</u>	_____
21	<u>258</u>	_____
22	<u>230</u>	_____
23	<u>193</u>	_____
24	<u>160</u>	_____
25	<u>229</u>	_____
26	<u>173</u>	_____
27	<u>125</u>	_____
28	<u>125</u>	_____
29	<u>264</u>	_____
30	<u>241</u>	_____
31	<u>212</u>	_____
32	<u>181</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 10:15
Date 3/12/72

114-SX Temperature °F

Point No.	107-SX	108-SX
1	237	
2	186	
3	125	
4	125	
5	285	
6	277	
7	261	
8	238	
9	282	
10	274	
11	256	
12	230	
13	275	
14	288 283	
15	260	
16	237	
17	278	
18	273	
19	263	
20	238	
21	222 257	
22	228	
23	192	
24	158	
25	230	
26	175	
27	125	
28	125	
29	262	
30	242	
31	213	
32	180	

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____

Date 3/11/12

114 SX
10,00AM

Temperature °F

Point No.

107-SX

108-SX

1

238

2

186

3

124

4

124

5

284

6

277

7

261

8

238

9

282

10

274

11

255

12

230

13

275

14

284

15

259

16

237

17

278

18

277

19

262

20

238

21

257

22

228

23

190

24

155

25

232

26

175

27

124

28

124

29

262

30

241

31

212

32

179

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125

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1000
Date 3-5-72

Point No.	Temperature °F	
	104-SX	108-SX
1	<u>348</u>	_____
2	<u>211</u>	_____
3	<u>117</u>	_____
4	<u>115</u>	_____
5	<u>280</u>	_____
6	<u>272</u>	_____
7	<u>260</u>	_____
8	<u>242</u>	_____
9	<u>276</u>	_____
10	<u>270</u>	_____
11	<u>255</u>	_____
12	<u>232</u>	_____
13	<u>270</u>	_____
14	<u>278</u>	_____
15	<u>259</u>	_____
16	<u>238</u>	_____
17	<u>276</u>	_____
18	<u>269</u>	_____
19	<u>259</u>	_____
20	<u>240</u>	_____
21	<u>255</u>	_____
22	<u>232</u>	_____
23	<u>200</u>	_____
24	<u>117</u>	_____
25	<u>240</u>	_____
26	<u>197</u>	_____
27	<u>116</u>	_____
28	<u>115</u>	_____
29	<u>259</u>	_____
30	<u>239</u>	_____
31	<u>213</u>	_____
32	<u>182</u>	_____
33	<u>175</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time

Date

3-4-72 2100

TIME

0900

114

Temperature °F

114

TIME

1300 @ 1915

Point No.

1

~~107-SX~~

248

~~108-SX~~

248

248

248

24

2

215

215

214

213

21

3

36

142

137

133

125

12

4

24

120

118

118

114

114

5

280

280

280

280

28

6

271

271

272

272

27

7

261

261

261

261

26

8

245

244

244

243

24

9

278

275

276

276

27

10

269

269

270

270

26

11

256

256

256

256

25

12

232

232

233

232

23

13

270

270

270

270

27

14

276

276

278

277

27

15

260

260

260

260

26

16

240

239

239

239

23

17

274

274

275

275

27

18

267

267

268

268

26

19

260

259

260

260

26

20

241

241

242

242

24

21

255

255

256

256

25

22

232

232

233

233

23

23

202

202

202

202

20

24

175

175

177

177

17

25

241

241

242

242

24

26

202

202

202

201

20

27

32

121

128

125

123

12

28

24

120

119

118

117

11

29

257

257

258

258

25

30

239

239

238

238

23

31

212

212

213

212

21

32

184

184

184

184

18

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time

Date

3-4-72

Time

Temperature °F

Time

01:00

114

114

0500

Point No.

1

~~107-SX~~

247

~~108-SX~~

247

2

215

215

3

150

145 ✓

4

125

125

5

280

280

6

270

270

7

260

260

8

245

245

9

275

275

10

270

270

11

257

257

12

234

233 -

13

270

270

14

276

276

15

260

260

16

240

240

17

274

274

18

267

267

19

260

260

20

242

242

21

255

255

22

232

232

23

202

202

24

175

175

25

241

241

26

205

205

27

138

140 -

28

125

125

29

257

257

30

240

240

31

212

212

32

187

184 ✓

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time _____
Date 3/3/72

Point No.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

114-SX @ 1710 +
Temperature 2100 2300

107-SX

2100

108-SX

248

248

248

216

216

216

157

152

151 ✓

135

130

128 ✓

278

278

278

271

270

270

262

262

262

249

247

146 ✓

276

275

275

269

268

268

258

258

257 ✓

233

233

233

269

269

269

277

277

277

261

261

261

242

242

242

273

273

273

267

267

267

260

260

260

243

243

242 ✓

256

256

256

232

232

232

202

202

202

175

175

175

242

242

242

205

205

205

148

143

141 ✓

135

130

129 ✓

258

258

258

238

238

239 ✓

212

212

212

183

183

183

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time
Date 3-3-72

1145X

1345 Temperature °F

1500

Point No.

	114	1145X	1145X
1		247	248
2		215	216
3		160	157
4		140	136
5		279	280
6		270	271
7		261	262
8		246	247
9		275	275
10		268	269
11		257	258
12		234	234
13		269	269
14		276	277
15		260	261
16		242	242
17		273	274
18		266	267
19		260	260
20		243	243
21		256	256
22		232	232
23		202	202
24		174	174
25		243	243
26		205	204
27		154	151
28		140	137
29		258	258
30		239	239
31		212	212
32		184	183

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1700
Date 3/2/72

Point No.	<u>114-SX</u> Temperature °F	
	107-SX	108-SX
1	<u>248</u>	_____
2	<u>217</u>	_____
3	<u>162</u>	_____
4	<u>142</u>	_____
5	<u>278</u>	_____
6	<u>263</u>	_____
7	<u>262</u>	_____
8	<u>248</u>	_____
9	<u>275</u>	_____
10	<u>268</u>	_____
11	<u>258</u>	_____
12	<u>234</u>	_____
13	<u>268</u>	_____
14	<u>276</u>	_____
15	<u>262</u>	_____
16	<u>243</u>	_____
17	<u>273</u>	_____
18	<u>267</u>	_____
19	<u>260</u>	_____
20	<u>242</u>	_____
21	<u>255</u>	_____
22	<u>232</u>	_____
23	<u>201</u>	_____
24	<u>173</u>	_____
25	<u>242</u>	_____
26	<u>205</u>	_____
27	<u>152</u>	_____
28	<u>142</u>	_____
29	<u>258</u>	_____
30	<u>239</u>	_____
31	<u>282</u>	_____
32	<u>183</u>	_____

241-SX SLUDGE PROFILE TEMPERATURES

TIME 1330 DATE 3-2-72

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T.C. →	1	2	3	4	5	6	7	8	Recorder
Elevation (in.) →	4	12	21	29	38	46	54	62	PTS. #
TK-107	149	104	78	59	1-4				
	155	130	91	60	5-8				
	167	139	91	55	9-12				
	166	134	80	57	13-16				
	156	129	79	60	17-20				
	142	117	96	71	21-24				
	80	61	55	54	25-28				
	140	127	65	58	29-32				
TK-108	131	95	82	80	1-4				
	152	127	85	78	5-8				
	160	126	83	79	9-12				
	127	82	76	76	13-16				
	143	119	82	77	17-20				
	—	—	—	—	21-24				
	139	115	81	76	25-28				
	147	110	73	73	29-32				
TK-109	172	170	158	138	1-4				
	146	140	125	107	5-8				
	168	173	162	158	9-12				
	155	155	145	127	13-16				
	146	145	140	134	17-20				
	148	138	126	110	21-24				
	150	146	130	110	25-28				
	157	139	123	104	29-32				
TK-110	130	145	131	131	1-4				
	210	204	189	—	5-8				
	135	—	—	—	9-12				
	204	194	177	156	13-16				
	221	216	199	182	17-20				
	224	181	183	163	21-24				
	208	188	193	176	25-28				
	175	162	137	131	29-32				
TK-111	111	111	111	111	1-4				
	217	212	173	111	5-8				
	111	111	111	111	9-12				
	207	207	200	186	13-16				
	111	111	111	111	17-20				
	123	123	123	123	21-24				
	111	111	111	111	25-28				
	162	155	140	123	29-32				

Probe Locations

Above Tip of Probe

WMC
11-7-71

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Probe Locations

-2-

P.C. →

Elevation(in.) →

TK-112

Probe Nos. ↓

	1	2	3	4	5	6	7	8	
	4	12	21	29	38	46	54	62	
1	153	137	114	91					1-4
2	126	116	100	84					5-8
3	104	85	70	63					9-12
4	115	96	75	67					13-16
5	106	89	75	67					17-20
6	150	142	120	100					21-24
7	115	95	76	67					25-28
8	130	113	87	73					29-32

TK-114

	1	2	3	4					
	248	217	161	141					
1	248	217	161	141					1-4
2	229	221	263	247					5-8
3	225	269	260	235					9-12
4	220	277	264	246					13-16
5	225	268	263	245					17-20
6	258	235	205	175					21-24
7	240	208	155	143					25-28
8	206	240	212	183					29-32

TK-105

	1	2	3	4					
	84	77	71	71					
1	84	77	71	71					1-4
2	87	83	75	70					5-8
3									9-12
4									13-16
5									17-20
6									21-24
7									25-28
8									29-32

TC
position
on panel (grill)
p4

WMC
9-11-71
133

241-SX SLUDGE PROFILE TEMPERATURES
(S.O.P. 200.3.6)

Time 1730
Date 3/1/72

Point No.	114 SX Temperature °F		108-SX
	107-SX		
1	248	1	
2	216	2	
3	159	3	
4	142	4	
5	277		
6	268		
7	262		
8	249		
9	276		
10	269		
11	258		
12	234		
13	268		
14	276		
15	262		
16	244		
17	273		
18	266		
19	259		
20	242		
21	255		
22	231		
23	200		
24	172		
25	243		
26	207		
27	152		
28	142		
29	258		
30	238		
31	212		
32	183		

*see
previous
page
last column*