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 8A800/N2183	7. Purchase Order No.: N/A
8. Originator Remarks: Documents contain 1971-1974 data record inventory logs for BY-Tank Farm.		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

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	Original Disposition	Receiver Disposition
1	WHC-SD-WM-DP-206	—	0	BY Tank Farm Waste Inventory and Transfer Data for ITS-2 Operation During January to June 1972	N/A	3	6	6
2	WHC-SD-WM-DP-207	—	0	Operating Data to In-Tank Solidification (ITS)-2 for January 1 to October 10, 1974	N/A	3	6	6
3	WHC-SD-WM-DP-208	—	0	Waste Temperature Profiles in ITS-2 BY Tanks for October to December 1974	N/A	3	6	6
4	WHC-SD-WM-DP-209	—	0	BY Tank Farm Waste Inventory and Transfer Data for ITS-2 Operation During January to December 1971	N/A	3	6	6
5	WHC-SD-WM-DP-210	—	0	Operating Data to In-Tank Solidification (ITS)-2 for July 1 to December 31, 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	
(G)	(H)	17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)						(G)	(H)
Reason	Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date	(M) MSIN
3	6	Cog. Eng. F. R. Reich	<i>F. R. Reich</i>	7-29-76	L5-55				
3	6	Cog. Mgr. D. S. Dutt	<i>D. S. Dutt</i>	7-29-76	N1-21				
18. <i>F. R. Reich</i> F. R. Reich Signature of EDT Originator		19. <i>D. S. Dutt</i> D. S. Dutt Authorized Representative Date for Receiving Organization		20. <i>D. S. Dutt</i> D. S. Dutt Cognizant Manager Date		21. DOE APPROVAL (if required) Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments			

Operating Data to In-Tank Solidification (ITS)-2 for January 1 to October 10, 1974

F. R. Reich

Westinghouse Hanford Company, Richland, WA 99352

U.S. Department of Energy Contract DE-AC06-87RL10930

EDT/ECN: 617410

UC: 721

Org Code: 8A800

Charge Code: N2183

B&R Code: EW4010000

Total Pages: ~~203~~ 279 gm

Key Words: ITS-2, BY tank temperatures/data, waste solidification data, operating data, pressure, temperature, profile

Abstract: Data sheets containing date, time, feet above bottom, temperature, comments. Operating data to In-Tank Solidification (ITS)-2 for January 1 to October 10, 1974.

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Samahan 8/2/96
Release Approval Date

Release Stamp

Approved for Public Release

Document Date: None given
Document Number: None given
RHA Box Number: 58099
File Number: None given

received

Title:
DATA SHEETS TITLED PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Description:
APPROXIMATELY 400 DATA SHEETS IN NON-TITLED PRESS BINDER

Comments:
DATA INCLUDES DATE, TIME, FEET ABOVE BOTTOM, TEMPERATURE, COMMENTS. DATES FROM
1-3-73 TO 10-8-74

Addressee, Company:

Author: Company:

Tank #:
241-BY-102
241-BY-103
241-BY-104
241-BY-106
241-BY-107
241-BY-109
241-BY-110
241-BY-112

Keywords:
PROFILE TEMPERATURE

References: N
References: None given
Action Required: N
Topic: None given
Action Taken: None given

User: RL HORNE
User Date: 03-20-92 07:33:51
Reviewer: ULBRICHT RS
Review Date: 03-05-92
Checked By: SCHWARZ RM
Checked Date: 03-05-92
WTS Key: 870
Document Type: DS

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
		1	1045		32	1045	105	
		2			32		114	
		3			31		114	
		4			31		112	
		5			46		114	
		6			74		112	
		7			37		114	
		8			37		112	
		9			49		114	
		10			49		114	
		11			49		114	
		12			49		104	
		13			—		—	
		14						

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
1/1/23		1	N.G.		104		140				
		2	N.G.		105		54				
		3	-		106		117				
		4	-		106		148				
		5	-		106						
		6	-		108						
		7	-		108						
		8	-		118						
		9	-		N.G.						
		10	-		128						
		11	-		23						
		12	N.G.		89						
		13	-		59						
		14			89						

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

1/8/23

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

1/8/73

Date	Time	Feet Above Bottom	Tank 10454 Temp.	Feet Above Bottom	Tank 10684 Temp.	Feet Above Bottom	Tank 10784 Temp.	Comments
		1	95		✓		94	
		2	95		✓		94	
		3	95		20		94	
		4	95		20		94	
		5	95		—		95	
		6	98		—		100	
		7	98		—		100	
			89		—		100	
			89		—		106	
			89		—		20	
			83		—		84	
			84		—		85	
						13	80	
						14	80	
							84	
							84	
							85	

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Al Sm

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

		102 BY		103 BY		104 BY		Comments
Date	Time	Feet Above Bottom	Tank Temp.	Feet Above Bottom	Tank Temp.	Feet Above Bottom	Tank Temp.	
1-21-73	1330		30	1	20		88	
			30	2	21		90	
			28	3	56		90	
			30	4	58		90	
			22	5	42		88	
			22	6	58		88	
			20	7	24		82	
			20	8	12		82	
			20	4	38		80	
			20	10	24		78	
			20	11	32		80	
			20	12	32		62	
		106 BY	N.G.	1	107 BY 82		109 BY 58	
			N.G.	2	84		40	
			N.G.	3	88		46	
			—	4	88		36	
			—	5	88		30	
			—	6	90		26	
			—	7	90		26	
			—	8	90		26	
			—	9	N.G.		26	
			—	10	100		26	
			—	11	80		26	
			—	12	70		26	

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Bingo - Pen1-24-73112-BY
Temperatures

PT	°C
1	124
2	129
3	129
4	128
5	128
6	129
7	129
8	130
9	130
10	130
11	115
12	112
13	105
14	105

ARH-387

112-73
 3.2.4 T.D. Under-ways
 Spec 250°F
 Std 4.2.2.E 240°F

Bulk Temp = 264°F

Spec Limit to -
 BY Tanks = 240°F?

~~270°F~~
~~270°F~~

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11/26/23

N0600

S

43¹¹

Dusty

These TC's were taken on River #10
 (The true) M. place to get on the fork north
 river (#12.)

1 - 121

2 - 125

3 - 125

4 - 125

5 - 125

6 - 123

7 - 123

(8 - 123

9 - 123

10 - 123

11 - 121

12 - 116

13 - 100

14 - 100

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TO 11/28/14

DATE 1-24-73

FROM

Blackie

11555

1. 1. 1.

$$\begin{array}{r} 1.8 \overline{) 208} \\ \underline{18} \\ 28 \\ \underline{18} \\ 100 \\ \underline{90} \\ 100 \end{array}$$
$$\begin{array}{r} 1.6 \overline{) 2.56} \\ \underline{16} \\ 32 \\ \underline{32} \\ 0 \\ \underline{0} \\ 0 \\ \underline{0} \\ 0 \end{array}$$

8-4. 4-12

112 By Temp. ₈₋₄ ₄

2-9-4-12

1-124°-117°c

11-115-115

2-128 - 119

12-112-101

3-129 - 120

13-10.5-96

4-128 - 120

14-10.5-96

5-128 - 119

15 — — —

6-129 - 121

7-129-121

P-130 - 120

9-130-120

10-130-120

"SAFETY PAYS WHEN YOU'RE CAREFUL; YOU PAY WHEN YOU'RE NOT"

112 BY CHRISTMAS TREE T.C. READINGS

°C

1-24-73

1-25-73

1.	124	- 132
2.	129	- 138
3.	129	- 137
4.	128	- 137
5.	128	- 137
6.	129	- 137
7.	129	- 138
8.	130	- 138
9.	130	- 136
10.	130	- 134
11.	115	- 130
12.	112	- 115
13.	105	- 106
14.	105	- 106

$$\begin{array}{r} 7 \\ 129 \\ 1.8 \\ \hline 2 \end{array}$$

2

264

Parker

1-25-73

-945

"Today's readings were with different box which he will check against standards."

-1045

Box he used today

RLW - Shut off two heaters

CYR BOX THURS

①	122	121
②	126	123
③	129	124
④	130	123
⑤	127	123
⑥	128	124
⑦	128	124 125
⑧	128	127
⑨	128	123
⑩	128	122
⑪	123	119
⑫	112	106
⑬	104	97
⑭	104	96

1-25-73

pm

*Run
 the RA column was just brought
 in even though right tomorrow
 clear*

VAPOR HEADER

CHECK PTS 0830

#1-100	#2-50	#3-24
#4-25	#5-40	#6-35

CHECK PTS 1300

#1-17	#2-18	#3-19
#4-24	#5-35	#6-37

BEST AVAILABLE COPY

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Tank <u>102BY</u>		Feet Tank <u>103BY</u>		Feet Tank <u>104BY</u>		Comments
		Above Bottom	Temp.	Above Bottom	Temp.	Above Bottom	Temp.	
<u>1-25</u>	<u>1300</u>				<u>26</u>		<u>100</u>	
					<u>30</u>		<u>104</u>	
					<u>64</u>		<u>102</u>	
					<u>68</u>		<u>102</u>	
					<u>48</u>		<u>104</u>	
					<u>66</u>		<u>96</u>	
					<u>26</u>		<u>96</u>	
					<u>15</u>		<u>97</u>	
					<u>38</u>		<u>92</u>	
					<u>32</u>		<u>92</u>	
					<u>38</u>		<u>70</u>	
					<u>30</u>		<u>40</u>	
		<u>106BY</u>		<u>107BY</u>		<u>109BY</u>		
		<u>N.G.</u>		<u>90</u>		<u>68</u>		
		<u>N.G.</u>		<u>98</u>		<u>44</u>		
		<u>N.G.</u>		<u>98</u>		<u>56</u>		
		<u>"</u>		<u>100</u>		<u>44</u>		
		<u>"</u>		<u>100</u>		<u>38</u>		
		<u>"</u>		<u>103</u>		<u>34</u>		
		<u>"</u>		<u>100</u>		<u>34</u>		
		<u>"</u>		<u>96</u>		<u>34</u>		
		<u>"</u>		<u>N.G.</u>		<u>32</u>		
		<u>"</u>		<u>98</u>		<u>32</u>		
		<u>"</u>		<u>76</u>		<u>30</u>		
		<u>"</u>		<u>68</u>		<u>30</u>		

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

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tank. Attach completed form to Monday and Thursday's Data Sheets.

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
1/29/73	1000	1	128								
		2	128								
		3	128								
		4	128								
		5	126								
		6	120								
		7	120								
		8	119								
		9	119								
		10	119								
	122	11	113								
		12	105								
			105.75								

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tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date		Time		Feet Above Bottom		Temp.		Feet Above Bottom		Temp.		Feet Above Bottom		Temp.		Comments
2/1/73				1		88		1		142		1		92		
				2		93		2		NG		2		96		
				3		93		3		134		3		97		
				4		99		4		132		4		97		
				5		96						5		96		
				6		96						6		96		
				7		96						7		93		
				8		94						8		98		
				9		NG						9		98		
				10		84						10		88		
				11		80						11		60		
				12		74						12		60		
				13		68						13		52		
				14		68						14		52		

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

[illegible]

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tank. Attach completed form to Monday and Thursday's Data Sheets.

PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Instructions or comments: Take profile temperatures weekly in each bottoms
tank. Attach completed form to Monday and Thursday's Data Sheets.

2-6-73104 BY XMAS
TREE TEMPS

°C

1. 96
2. 99
3. 99
4. 99
5. 98
6. 96
7. 88
8. 88
9. 86
10. 81
11. 49
12. 30

107 BY XMAS
TREE TEMPS

°C

1. 92
2. 98
3. 96
4. 101
5. 100
6. 100
7. 98
8. 96
9. OPEN
10. 95
11. 72
12. 65
13. 65
14. 64

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank 106-87 Temp.	Feet Above Bottom	Tank 112-87 Temp.	Feet Above Bottom	Tank 109-87 Temp.	Comments
12-73	1330	1	52		115	16-	46	
		2	52		120	17-	162	
		3	-		120	18-	126	
		4	-		118	19-	85	
		5	-		116			
		6	-		115			
		7	-		115			
		8	-		115			
		9	-		115			
		10	-		115			
		11	-		113			
		12	-		103			
			52					

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

16

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

112 BY 2-15 2/15 2/16								
Date	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Comments	
1	115	115	111	115	115	115		
2	119	120	120	120	120	119.5		
3	119	120	120	120	120	119.5		
4	118	118	118	118	118	118		
5	116	117	117	117	117	116		
6	115	116	116	116	116	115.5		
7	115	116	116	116	116	115.5		
8	115	116	116	116	115	115.5		
9	115	116	116	116	116	115.5		
10	115	116	116	116	116	115.5		
11	115	116	116	116	116	115.5		
AVG	117	108	100	117	117	116.5		
1-16-73	1300	1700	1700	2-17-73	219-73	1300	1-17-73	1-17-73
1	115	115	115	115	115	114	114	115
2	120	120	120	120	120	118	119	119
3	120	120	120	120	120	118	119	117
4	118	118	118	118	118	117	117	116
5	117	117	117	117	117	117	116	116
6	116	116	116	116	117	117	116	116
7	116	116	116	116	117	116	116	116
8	116	116	116	116	117	116	116	116
9	116	116	116	116	117	116	116	116
10	115	116	116	116	117	116	116	116
11	116	114	108	110	108	106	104	107
HVC	117	117	116	109	104	115	115.5	116
Instructions: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.								

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Temp.
2/9-73	1400	1	N.G	
		2	N.G	
		3	4	
		4	N.G	
		5	>0	
		6	>0	
		7	>0	
		8	>0	
		9	>0	
		10	>0	
		11	>0	
		12	>0	

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms

tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Tank 106.84		Feet Tank 107.84		Feet Tank 109.84		Comments
		Above Bottom	Temp.	Above Bottom	Temp.	Above Bottom	Temp.	
3-7	1430	100		98		16	2307	
				101		17	122	
				93		18	91	
				102		19	91	
				100		20	150	
				103				
				100				
				100				
				106				
				101				
				88				
				82				
				82				
				84				

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date		Time		Feet Above Bottom		Tank		Feet Above Bottom		Tank		Comments
				Temp.				Temp.				
3-7	1400			64		39		108				
				66		39		108				
				68		72		111				
				70		74		112				
				71		68		110				
				71		74		106				
				72		31		98				
				78		28		98				
				72		56		100				
				78		41		94				
				74		50		60				
				75		50		48				

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date Time		Feet Above Bottom	Tank 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 <
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Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
3/30/52	1000	1	110-84	94	1	114	114	
		2	98		2	117		
		3	100		3	119		
		4	100		4	115		
		5	100		5	118		
		6	98		6	118		
		7	35		7	118		
		8	98		8	118		
		9	100		9	118		
		10	106		10	118		
		11	74		11	118		
		12	58		12	108		
		3	60					
		14	60					

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

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[illegible]

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BY

[illegible]

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[illegible]

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date		Time		Feet Above Bottom		Tank 1045		Feet Above Bottom		Tank 1055		Feet Above Bottom		Tank 1045		Comments
				Temp.				Temp.				Temp.				
						1	37	1	102							
						2	42	2	104							
						3	65	3	105							
						4	66	4	105							
						5	46	5	104							
						6	63	6	103							
						7	33	7	96							
						8	33	8	96							
						9	42	9	96							
						10	34	10	96							
						11	40	11	84							
						12	40	12	59							

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
5/2	115	1	110	94	1	112	115				
57	1000	2		99	2		119				
		3		100	3		119				
		4		100	4		118				
		5		100	5		118				
		6		100	6		118				
		7		43	7		118				
		8		102	8		118				
		9		107	9		118				
		10		110	10		117				
		11		100	11		112				
		12		85	12		108				
		13		85							
		14		85							
				94			116.5				

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[illegible]

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
5/7		1	66	71	1	107		
		2	70		2	97		
		3	69		3	89		
		4	69		4	95		
		5	69		5	95		
		6	69		6	96		
		7	68		7	96	At 16	110
		8	68		8	95	17	132
		9	68		9	18	18	110
		10	68		10	25	19	135
		11	67		11	76		
		12	53		12	76		122
			67		13	78		
					14	78		
						84		

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tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Comments
1/1	1000	1	66	1	847		1650	
		2	66	2	90		1654	
		3	66	3	82		100	
		4	66	4	88			
		5	66	5	88			
		6	66	6	88			
		7	66	7	88			
		8	64	8	84			
		9	64	9	83			
		10	64	10	85			
		11	64	11	64			
		12	46	12	58			
				13	58			
				14	60			

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tank. Attach completed form to Monday and Thursday's Data Sheets.

Date	Time	Feet Above Bottom	Tank	Temp.
7/24	1000	1	94	
		2	99	
		3	99	
		4	100	
		5	100	
		6	99	
		7	91	
		8	100	
		9	110	
		10	104	
		11	92	
		12	88	
		13	88	
		14	87	

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
5/1	1000		102			102			101		
					1	96		1	94		
					2	94		2	96		
					3	96		3	99		
					4	97		4	99		
					5	61		5	99		
					6	60		6	97		
					7	91		7	92		
					8	91		8	98		
					9	92		9	92		
					10	96		10	94		
					11	98		11	90		
					12	98		12	90		

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[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

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Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Date	Time	Feet Tank		Feet Tank		Feet Tank		Comments
		Above Bottom	Temp.	Above Bottom	Temp.	Above Bottom	Temp.	
6-5	1800	16	NG	1	40			
		17	139	2	48			
		18	110	3	53			
		19	135	4	54			
				5	54			
		20	128	6	53			
				7	32			
				8	33			
				9	38			
				10	30			
				11	35			
				12	35			
				21	42			

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[illegible]

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[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title:

Date	Time	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Comments
7-9	1300	1	166	90	107	1	166	
		2	70	93		2	70	
		3	68	86		3	68	
		4	68	90		4	68	
		5	68	86		5	68	
		6	68	87		6	68	
		7	67	87		7	67	
		8	67	86		8	67	
		9	66	40		9	66	
		10	60	84		10	60	
		11	50	12		11	50	
		12	41	56		12	41	
		13		56		13		
		14		56		14		

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

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[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS B/K

Date	Time	Tank <u>106</u>		Tank <u>107</u>		Tank <u>110</u>		<u>112</u> <u>°s</u>
		Feet Above Bottom	Temp.	Feet Above Bottom	Temp.	Feet Above Bottom	Temp.	
7-12-83	1400		195		221		227	106
			196		230		238	106
			190		215		240	114
			193		224		240	115
			190		216		237	116
			190		215		225	116
			190		215		112	116
			185		215		205	116
			185		110		190	116
			170		208		182	116
			150		162		155	115
			140		150		142	107
					150		147	
					150		142	

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.
7-12-73			109	143		103	137		104	252		102	64
	1400			132			180	1		260			66
				127			180	2		260			69
				127			180	3		260			72
				127 ³			180 ³²	4		255 ¹³			74
				120			175	5		245			74
				120			125	6		235			70
				115			125	7		210			64
				115			130	8		210			63
				115			120	9		210			59
				115			130	10		190			48
				115			130	11		145			46

Instructions or comments: Take profile temperatures weekly in each bottom
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

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[illegible]

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
7/26	0845	1	106	70	1	N.G.		1			
		2		69	2	84		2			
		3		67	3	88		3			
		4		67	4	81		4			
		5		67	5	83		5			
		6		67	6	80		16	109	112	
		7		66	7	82		17		143	
		8		66	8	81		18		108	58°
		9		62	9	81		19		137	
		10		56	10	48		10			
		11		44	11	79		11			
		12		37	12	51		12			
					13	56					
					14	53					

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

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[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

1973		Feet Above Bottom	Tank 1088y	Temp.	Feet Above Bottom	Tank 1098y	Temp.	Feet Above Bottom	Tank 1108y	Temp.	Comments
Date	Time	Pfs			Pfs			Pfs			
8/13				58	16	N.G.		1		96	
		2		52	17	212		2		98	
		3		46	18	118		3		99	
		4		39	19	134		4		96	
		5		34				5		93	
		6		34				6		88	
		7		34				7		40	
		8		34				8		78	
		9		32				9		72	
		10		32				10		68	
		11		34				11		54	
		12		34				12		48	
								13		48	
								14		48	

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

1973		Feet Above Bottom		Tank 10238	Feet Above Bottom		Tank 10388	Feet Above Bottom		Tank 10488	Comments
Date	Time	PTS	Temp.	PTS	Temp.	PTS	Temp.	PTS	Temp.		
8/16	1400	1	67	1	120	1	250				
		2	66	2	155	2	250				
		3	68	3	162	3	250				
		4	71	4	162	4	250				
		5	72	5	158	5	250				
		6	70	6	125	6	231				
		7	66	7	110	7	218				
		8	58	8	109	8	190				
		9	54	9	110	9	190				
		10	52	10	100	10	190				
				11	110	11	165				
				12	110	12	115				

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

1973		Feet Tank <u>106BY</u>	Feet Tank <u>107BY</u>	Feet Tank <u>108BY</u>	Comments
Date	Time	Above Bottom Temp.	Above Bottom Temp.	Above Bottom Temp.	
<u>8/16</u>	<u>1000</u>	<u>PTS</u>	<u>PTS</u>	<u>PTS</u>	
		<u>1</u> <u>175</u>	<u>1</u> <u>200</u>	<u>1</u>	
		<u>2</u> <u>170</u>	<u>2</u> <u>215</u>	<u>2</u>	
		<u>3</u> <u>170</u>	<u>3</u> <u>195</u>	<u>3</u>	
		<u>4</u> <u>171</u>	<u>4</u> <u>200</u>	<u>4</u>	
		<u>5</u> <u>171</u>	<u>5</u> <u>200</u>	<u>5</u>	
		<u>6</u> <u>161</u>	<u>6</u> <u>200</u>	<u>6</u>	
		<u>7</u> <u>160</u>	<u>7</u> <u>200</u>	<u>7</u>	
		<u>8</u> <u>155</u>	<u>8</u> <u>195</u>	<u>8</u>	
		<u>9</u> <u>150</u>	<u>9</u> <u>135</u>	<u>9</u>	
		<u>10</u> <u>135</u>	<u>10</u> <u>200</u>	<u>10</u>	
		<u>11</u> <u>116</u>	<u>11</u> <u>138</u>	<u>11</u>	
		<u>12</u> <u>101</u>	<u>12</u> <u>138</u>	<u>12</u>	
			<u>13</u> <u>132</u>		
			<u>14</u> <u>132</u>	<u>16</u> <u>300</u>	<u>NG</u>
				<u>17</u> <u>85</u>	
				<u>18</u> <u>110</u>	
				<u>19</u> <u>135</u>	

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

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Instructions or comments: Take profile temperatures weekly in each bottoms
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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Title: PROFESSOR LITERATURES IN HIS-2 BOTTOMS TALKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

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Date	Time	Feet Tank 110		Feet Tank 112		Feet Tank		Comments
		Above Bottom	Temp.	Above Bottom	Temp.	Above Bottom	Temp.	
8-27	8400	1	95	1	100			
		2	98	2	112			
		3	98	3	113			
		4	95	4	111			
		5	92	5	110			
		6	86	6	108			
		7	37	7	108			
		8	78	8	108			
		9	78	9	108			
		10	68	10	108			
		11	54	11	108			
		12	48	12	101			
		13	47					
		14	47					
		82		99				

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Date		Time		Feet Above Bottom		Temp.		Feet Above Bottom		Temp.		Feet Above Bottom		Temp.		Comments
8-27		1		64		1		31		1		100				
		2		64		2		54		2		103				
		3		69		3		56		3		102				
		4		71		4		56		4		102				
		5		71		5		56		5		102				
		6		69		6		54		6		92				
		7		65		7		27		7		85				
		8		58		8		28		8		76				
		9		55		9		32		9		76				
		10		50		10		25		10		74				
		11		58		11		30		11		68				
		12		55		12		30		12		43				
		61				34				85						

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

10-8-73

DAYS

(Mike & Jerry)

10-9-73

X	102BY	X	103BY	X	104BY	X	106BY	X	107BY	X	110BY	X	112BY	X	109BY
1		1	27	1	96	1	74	1	80	1	90	1	102	1	95
2	66	2	48	2	98	2	74	2	83	2	92	2	107	2	
3	69	3	55	3	99	3	72	3	78	3	90	3	110	3	
4	69	4	55	4	99	4	70	4	78	4	88	4	111	4	
5	68	5	24	5	98	5	70	5	56	5	84	5	111	5	
6	64	6	52	6	91	6	67	6	80	6	78	6	109.5	6	
7	57	7	20	7	83	7	64	7	82	7	20	7	109	7	
8	50	8	20	8	72	8	61	8	54	8	68	8	109	8	
9	42	9	20	9	70	9	56	9	54	9	68	9	109	9	
10	46	10	20	10	70	10	50	10	77	10	65	10	109	10	
11	/	11	23	11	62	11	40	11	52	11	52	11	109	11	
12	/	12	23	12	36	12	34	12	47	12	35	12	100.5	12	
13	/	13		13		13		13	46	13	34	13	/	13	
14	/	14		14		14		14	46	14	34	14	/	14	

DATA SHEET

Temperatures of Tank ITS-2 Bottoms Tanks

Temp. Point	Date 10-11-73	Date	Date	Date	Date	Date	Date	Date	Date	Date
1	102	103	104	106	110	109	107	113		
2	64	30	99	73	74		83	102		
3	66	51	102	71	97		85	107		
4	67	58	102	69	96		77	110		
5	69	58	101	67	99		78	111		
6	68	54	98	66	99		58	111		
7	64	54	89	64	83		79	108		
8	58	32	82	62	36		76	108		
9	48	20	72	60	72		50	108		
10	43	23	71	55	70		46	108		
11	38	25	71	48	66		74	108		
12	7	27	60	39	46		46	108		
13		28	35	33	46		45	101		
14					35		44			
15					36		46			
16						NG				
17						215				
18						94				
19						122				
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
Probe No.										
L.L.										
Time	DAYS									

This sheet is for recording temperatures of underground tanks for those situations which are not covered by routine S.O.P. data sheets. Transfers between tanks is frequently a situation where temperature monitoring is needed and a uniform data sheet form is convenient for the operator.

M C Fraser 12-18-71

10-15-73

DATA SHEET

Temperatures of Tank

Temp. Point	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date
	102	103	104	106	107	109	110	112		
1	64	30	101	74	31		96	102		
2	66	41	104	72	104		99	107		
3	68	58	104	70	77		97	110		
4	69	58	103	69	77		94	111		
5	67	24	100	67	40		90	110		
6	64	55	91	65	69		85	108		
7	58	22	83	63	76		84	108		
8	50	22	73	61	48		72	108		
9	45	24	73	55	43		71	108		
10	36	26	73	48	74		68	108		
11	31	27	63	40	46		58	108		
12	31	28	36	33	44		33	101		
13					44		33			
14					44		38			
15										
16						NG				
17						228				
18						56				
19						120				
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
Probe										
No.										
L.L.										
Time										

This sheet is for recording temperatures of underground tanks for those situations which are not covered by routine S.O.P. data sheets. Transfers between tanks is frequently a situation where temperature monitoring is needed and a uniform data sheet form is convenient for the operator.

M C Fraser 12-18-71

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
6/9/30		1	102	60	1 - 59	103	212	
		2		64	2	76	220	
		3		65	3	130	220	
		4		64	4	130	212	
		5		62	5	130	196	
		6		58	6	116	187	
		7		53	7	53	170	
		8		50	8	53	156	
		9		34	9	53	156	
		10		28	10	66	156	
		11		20	11	66	130	
		12		18	12	66	78	

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Comments
4/4/03	1000	1	166	1	135	16-7B	NG	
		2	166	2	70	17-7A	177	
		3	157	3	160	18-9B	78	
		4	157	4	160	19-11A	74	
		5	157	5	NG	5		
		6	151	6	156	6		
		7	142	7	156	7		
		8	142	8	102	8		
		9	125	9	93	9		
		10	107	10	152	10		
		11	96	11	92	11		
		12	79	12	92	12		
				13	92			
				14	92			

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

DATA SHEET										
Temperatures of Tank <u>5</u> <u>5/27/74</u>										
Temp. Point	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date
	5-27	5-27	5-27	5-27	5-27	5-27				
	102-BY	104-BY	106-BY	107-BY	110-BY	112-BY				
1	58	106	86	30		81				
2	59	109	83	35	49	83				
3	54	104	80	40	63	83				
4	56	102	74	52		81				
5	55	95	70	41		79				
6	52	87	67	44		76				
7	45	77	67	61		76				
8	35	73	58	48	60	76				
9	31	73	60	48	60	76				
10	24	70	42	38	10	76				
11		59	42	46	41	75				
12		45	35	37	31	71				
13				37	31	24				
14				35		27				
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
Probe No.										
L.L.										
Time										

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6-4-74
@ 1830

1	80	58	72	25	68	53	1
2	84	58	74	23	69	55	2
3	85	58	73	45	66	50	3
4	79	58	71	31	61	48	4
5	76	54	67	24	58	47	5
6	73	51	61	18	52	44	6
7	72	47	52	44	46	42	7
8	72	36	50	23	43	38	8
9	72	31	49	23	43	32	9
10	72	28	46	26	41	24	10
11	71	22	38	24	29	24	11
12	67	51.8	28	24	21	21	12
13				21	21		13
14				21	21		14
				54.7			

Avg = 75.25

61.5

67.5

46.1

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title:

1974

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title:

1974

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date		Time		Feet Above Bottom		Temp.		Feet Above Bottom		Temp.		Feet Above Bottom		Temp.		Comments
6-10	0930			30		88	9.8			79						
				20		88	9.8			81						
				54		85	9.8			81						
				38		80	9.8			78						
				27		73	9.8			73						
				NG		65	9.8			70						
				54		57	9.8			69						
				29		53	9.8			69						
				25		51	9.8			69						
				32		49	9.8			69						
				28		33				68						
				32		25				65						
				ave 30		ave 62				ave 73						

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

1974

Date		Time		Feet Above Bottom		Temp.		Feet Above Bottom		Temp.		Feet Above Bottom		Temp.		Comments
4-19	0930			58		97		77								
				58		98		77								
				68		97		68								
				54		93		65								
				54		86		60								
				50		78		58								
				44		68		54								
				36		64		49								
				32		64		42								
				28		60		34								
				48		49		33								
						37		29								
						74		54								

Instructions or comments: Take profile temperatures weekly in each bottoms
tank. Attach completed form to Monday and Thursday's Data Sheets.

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS *hgr-c*

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
4-18	1400	1	102 137	60	1	104 67	190	1	106 89	151	
		2		61	2		194	2		143	
		3		61	3		189	3		134	
		4		59	4		182	4		130	
		5		57	5		169	5		125	
		6		53	6		156	6		117	
		7		47	7		135	7		NG	
		8		39	8		129	8		101	
		9		33	9		127	9		79	
		10		31	10		119	10		69	
		11		23	11		97	11		66	
		12		10	12		68	12		52	

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title:

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
4/25/1900	11:4	1	102	60	1	104	167	
		2	102	60	2	104	158	
		3	102	59	3	104	148	
		4	102	58	4	104	145	
		5	102	56	5	104	138	
		6	102	53	6	104	133	
		7	102	47	7	104	133	
		8	102	38	8	104	116	
		9	102	32	9	104	92	
		10	102	30	10	104	85	
					11	104	81	
					12	104	70	

Instructions or comments: Take profile temperatures weekly in each bottoms
tank. Attach completed form to Monday and Thursday's Data Sheets.

4-29-74

Title:

PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms
tank. Attach completed form to Monday and Thursday's Data Sheets.

4-28-74

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
5-16-74	1300	1	102BY	57	1	104BY	85	1	166BY	82	
		2		60	2		85	2		82	
		3		60	3		83	3		82	
		4		57	4		83	4		81	
		5		56	5		83	5		82	
		6		52	6		83	6		81	
		7		46	7		83	7		82	
		8		35	8		83	8		82	
		9		32	9		83	9		82	
		10		30	10		83	10		82	
		(49)			11		82	11		82	
					12		82	12		81	
							(83)			81.8	

Instructions or comments: Take profile temperatures weekly in each bottoms
& tank. Attach completed form to Monday and Thursday's Data Sheets.

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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Title:

BY FARM

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

BY FARM

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date		Time		Feet Tank 107		Feet Tank 110		Feet Tank 112		Comments
				Above Bottom	Temp.	Above Bottom	Temp.	Above Bottom	Temp.	
3-18	1000			55		92		84		
				28		93		95		
				63		91		95		
				40		85		91		
				34		78		88		
				34		72		86		
				63		63		86		
				34		60		86		
				34		60		86		
				64		56		84		
				33		36		81		
				33		27		75		
						26				
						26				
				434		75		87		

Instructions or comments: Take profile temperatures weekly in each bottoms
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

4-15-74

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Comments
2/25	1330	1	110		112			
		1	94		164			
		2	96		128			
		3	93		87			
		4	88		160			
		5	81		89			
		6	75		110			
		7	67		0			
		8	62		10			
		9	62		10			
		10	58		138			
		11	38		0			
		12	27		130			
				118	74			

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Q13) A

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
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Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Instructions or comments: Take profile temperatures weekly in each bottom
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Instructions or comments: Take profile temperatures weekly in each bottoms
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

"BY-FARM"

Instructions or comments: Take profile temperatures weekly in each bottom
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"BY-FARM"

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Feet Above Bottom	Tank	Comments
1-17-74		1	74	1	95	17	109	
		2	74	2	96	18	72	
		3	68	3	94	19	60	
		4	68	4	90		66.0	
		5	64	5	84			
		6	61	6	76			
		7	58	7	70			
		8	50	8	68			
		9	42	9	67			
		10	31	10	61			
		11	26	11	39			
		12	15	12	29			
				13	29			
			52.6	14	29			
					66.3			

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

[illegible]

243

Title: PROFILE TEMPERATURE IN ITS-2 BOTTOM TANKS

Date Time	Tank 103		Tank 104		Tank 105		106
	Feet Above Bottom	Temp.	Feet Above Bottom	Temp.	Feet Above Bottom	Temp.	Comments
9/14 2200	1	78	1	205°	1	143	
	2	82	2	208	2	116	
	3	110	3	202	3	94	
	4	110	4	195	4	68	
	5	(N.G.) -40	5	182	5	57	
	6	102	6	166	6	53	
	7	83	7	150	7		
	8	83	8	146	8		
	9	79	9	146	9		
	10	84	10	139	10		
	11	80	11	122	11		
	12	80	12	104	12		
9/15/74	→ Taken after replacing new belts on #2 Exhauster		1	100°			
0045			2	102			
			3	98			
			4	94			
			5	87			
			6	78			
			7	69			
			8	65			
			9	65			
			10	62			
			11	52			
			12	42			

Instructions or comments: Take profile temperatures weekly in each bottomtank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURE IN ITS-2 BOTTOM TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURE IN ITS-2 BOTTOM TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

File:

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: 101-B Profile Temp. weekly

[illegible]

DATA SHEET

Temperatures of Tank 101-B

Temp. Point	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date
1	8/7/74									
2	52									
3	51									
4	44									
5	44									
6	44									
7	44									
8	42									
9	42									
10	42									
11	42									
12	42									
13	37									
14	37									
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
Probe No.										
L.L.	154.95									
Time	1300									

This sheet is for recording temperatures of underground tanks for those situations which are not covered by routine S.O.P. data sheets. Transfers between tanks is frequently a situation where temperature monitoring is needed and a uniform data sheet form is convenient for the operator.

M C Fraser 12-18-71

Title: PROFILE TEMPERATURE IN ITS-2 BOTTOM TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURE IN ITS-2 BOLTC: TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Feet Above Bottom	Tank	Temp.	Comments
3-7-4	0900	11	128	70	13	118	26	1	118	28	
		2	71		14	2	27	2		26	
		3	71		15	11	28	3		26	
		4	66		16	6	24	4		26	
		5	65		17	8	27	5		26	
		6	65		18	10	28	6		22	
		7	59		19	11	28	7		20	
		8	58		20	12	27	8		22	
		9	57					9		24	
		10	53					10		24	
		11	48					11		25	
		12	47					12		26	

Instructions or comments: Take profile temperatures weekly in each bottoms
tank. Attach completed form to Monday and Thursday's Data Sheets.

261b

Date	Time	Feet Tank / 10.5X		Feet Tank / 10.5X		Feet Tank / 10.5X		Comments
		Above Bottom	Temp.	Above Bottom	Temp.	Above Bottom	Temp.	
9-3-76	0900	1	46		49		46	
		2	37		47		46	
		3	38		47		46	
		4	35		49		44	
		5	38		48		42	
		6	35		46		42	
		7	35		45		42	
		8	34		45		42	
		9	35		45		42	
		10	35		45		42	
		11	35		45		42	
		12	36		44			

Instructions or comments: Take profile temperatures weekly in each bottoms
tank. Attach completed form to Monday and Thursday's Data Sheets.

REV 01 Not marked

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

9.2.70

7
112B.

27

262

Title: PROFILE TEMPERATURE IN ITS-2 BOTTOM TANKS

9-3-74

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottom
tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

9-5-74
0930

Feet Above Bottom	Temp.	Feet Above Bottom	Temp.	Feet Above Bottom	Temp.	Comments
112.34	70.00	111.81				
1	70					
2	70					
3	71					
4	69					
5	66					
6	63					
7	59					
8	57					
9	56					
10	53					
11	48					
12	46					
13		13	27			
		14	28			
		15	28			
		16	29			
		17	29			
		18	27			
		19	27			
		20	27			

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURE IN ITS-2 BOTTOM TANKS

BY - FARM

[illegible]

Instructions or comments: Take profile temperatures weekly in each bottoms

tank. Attach completed form to Monday and Thursday's Data Sheets.

Title: PROFILE TEMPERATURES IN ITS-2 BOTTOMS TANKS

Date	Time	Feet Tank 1125		Feet Tank 1108		Feet Tank 1078		Comments
		Above Bottom	Temp.	Above Bottom	Temp.	Above Bottom	Temp.	
7-2-74		14			84		31	
		77			87		24	
		78			82		48	
		73			76		35	
		67			70		28	
		65			62		18	
		65			56		51	
		65			50		26	
		65			50		26	
		65			48		31	
		65			34		26	
		62			26		29	
		68.6			26		28	
					26		31	
							30.9	

Instructions or comments: Take profile temperatures weekly in each bottoms tank. Attach completed form to Monday and Thursday's Data Sheets.

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Sensor/Analytical Technology Projects		ECN No.

Name	MSIN	Text With All Attach.	Text Only	Attach./Appendix Only	EDT/ECN Only
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