

July 25, 1980
TLL 365TMI Program Office
ATTN: J. T. Collins, Deputy Director
U. S. Nuclear Regulatory Commission
c/o Three Mile Island Nuclear Station
Middletown, Pennsylvania 17057**THIS DOCUMENT CONTAINS
POOR QUALITY PAGES**

Dear Sir:

Three Mile Island Nuclear Station, Unit II (TMI-2)
Operating License DPR-73
Docket No. 50-320
Pre-Accident Spent Resin Disposal

At the time of the Unit 2 accident there existed approximately 550 cu. ft. of spent resin in the Unit 2 Spent Resin Storage Tanks. We plan to dispose of this resin by shipping it, in dewatered form, to Richland, Washington for burial.

Attachment 1 is a copy of the Unit 2 Primary Auxiliary Operators Log for March 25, 1979. The levels for the Spent Resin Storage Tank matches the levels shown on Attachment 2. Attachment 2 is a copy of the Recovery Operations Log for the Radwaste Disposal Panel for June 17, 1980.

Attachment 3 is a Smear Survey Record and Radiation survey for the Spent Resin Tank A cubicle. Attachment 4 is the equivalent for the B cubicle. As can be seen the highest radiation level is 200 mr/hr. No resin has been added or removed from these tanks since the accident. A review of tank levels everyday since March 25 will support this statement. The resin in these tanks is pre-accident resin.

Disposal plans call for sluicing the contents of these tanks to 6x6 liners placed in the Unit 2 Auxiliary Building and dewatering these liners by tested and approved dewatering procedures. The liners will then be prepared for shipment for burial.

A001
5/1

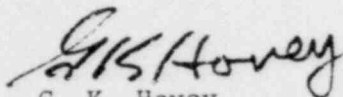
Mr. John T. Collins

- 2 -

July 1980
TLL 365

This letter is forwarded as requested. The sluicing and disposal plan discussed in this letter is proceeding. Should you have any questions, please contact me or my staff.

Sincerely,



G. K. Hovey
Director, TMI-II

GKH:EDS:rdg

cc: J. J. Barton
G. Atchinson
C. P. Deltete
L. King
R. J. McGoey
E. D Showalter
B. Snyder (NRC)
File

PRIMARY AUX. OPERATORS LOG-LWDS PANEL
 LOG DAILY (SHIFT FOREMAN REVIEW) -
 AND RETURN TO OPS ENGINEER

3-25-79 DATE

11-7 7-3 3-11

RADWASTE DISPOSAL PANEL

LWDS PANEL (DATE, TIME & INK CHARTS; TEST ALARMS) (✓)
 RB SUMP FILTER STATUS (11-7 CIRCLE INSERVICE; X EXHAUSTED UNITS)

WDL-F-8A WDL-F-8B BYPASSED 7.2' 7.8' 8' GALS

MWST (WDL-T-2) LEVEL (0-9') (FT)

MISC. RW FLOW INTEGRATOR (#2400 RECORD & RESET) (✓)

AUX. SUMP FILTER STATUS (11-7 CIRCLE INSERVICE; X EXHAUSTED UNITS)
 WDL-F-3A WDL-F-3B BYPASSED

CONTAM. DR. RM. SUMP LEVEL (6-19") (FT)	7'		
1A RB SPRAY RM SUMP LEVEL (12-25") (FT)	2.2'		
1B RB SPRAY RM SUMP LEVEL (12-25") (FT)	1.7'		
AUX. BLDG. SUMP LEVEL (12-32") (FT)	2.5'		
RX. BLDG. SUMP LEVEL (12-25") (FT)	2.35'		
1A DH REMOVAL SUMP LEVEL (12-25") (FT)	2'		
1B DH REMOVAL SUMP LEVEL (12-25") (FT)	2.1'		
NEUT. TANK (WDL-T-8A) LEVEL (0-12') (FT)	10.5'	10.5'	10.5'
NEUT. TANK (WDL-T-8B) LEVEL (0-12') (FT)	10.2'	10.1'	10.1'

NEUT. TANK FILTER STATUS (11-7 CIRCLE INSERVICE; X EXHAUSTED UNITS)
 WDL-F-4A WDL-F-4B NIS

AUX. BLDG. SUMP TK. (WDL-T-5) LEVEL (0-4.33') (FT)	2.75'	2.3'	2.3'
CONTAM. DR. TK. (WDL-T-11A) LEVEL (0-4.5') (FT)	4'	4'	4'
CONTAM. DR. TK. (WDL-T-11B) LEVEL (0-4.5') (FT)	7'	7'	7'

CONTAM. DR. TK. FILTER STATUS (11-7 CIRCLE INSERVICE; X EXHAUSTED UNITS)
 WDL-F-7A WDL-F-7B BYPASSED NIS

RCBT "A" (WDL-T-1A) LEVEL (1-13') (FT)	8'	7.5'	7.2'
(WDL-T-1A) TEMP. (MAX. 150°) (°F)	80		

RCBT "B" (WDL-T-1B) LEVEL (1-13') (FT)	12'	11.75'	11.5'
(WDL-T-1B) TEMP. (MAX. 150°) (°F)	75		

RCBT C (WDL-T-1C) LEVEL (1-13') (FT)	5.5'	5.5'	5.8'
(WDL-T-1C) TEMP. (MAX. 150°) (°F)	85		

DEBORATING DEMIN. D/P (K1A/K1B) (MAX. 20) (PSID)
 CLEANUP DEMIN. D/P (K2A/K2B) (MAX. 15) (PSID)

CLEANUP DEMIN. & FILTER STATUS (11-7 CIRCLE INSERVICE; X EXHAUSTED UNITS)
 WDL-F6A WDL-F6B WDL-K2A WDL-K2B WDL-F9A WDL-F9B NIS

EVAP. COND. DEMIN. O/P (K3A/K3B) (MAX. 15) (PSID) NIS
 EVAP. COND. DEMIN. STATUS (11-7 CIRCLE MODE OF OPERATION & LEAD) UNIT
 PARALLEL SERIES LEAD A OR BYPASSED A OR B

E.C.T.T. (WDL-T-9A) LEVEL (0-14') (FT)	6.5'	5.5'	4.4'
E.C.T.T. (WDL-T-9B) LEVEL (0-14') (FT)	7.5'	6.5'	2.4'
TOTAL DISCH. INTEGRATOR (#2400 RECORD & RESET) (✓)	11.0	0	0
CONC. WASTE TK. (WDS-T-2) LEVEL (2-10') (FT)	0	N/A	0
(WDS-T-2) TEMP. (°F)	80		
RECLAIMED B.A. TK. (WDS-T-3) LEVEL (2-10') (FT)	8.5'	8.5'	8.5'
(WDS-T-3) TEMP. (150-160) (°F)	130	130	130
SPENT RESIN ST. TK. (WDS-T-1A) LEVEL (0-12.5') (FT)	11.5'		
(WDS-T-1B) LEVEL (0-12.5') (FT)	9'		0.8'

WASTE GAS

WDG COMPRE
 WDG COMPPE
 WDG-P-1
 WDG-P-1

WDG DECAY

WDG DECAY

STATION GA

HAYS GAS ANU
 TEST ALAR
 OXYGEN CO
 HYDROGEN (O₂ SAMPLE
 H₂ SAMPLE
 AUTO SCANNER

GAS PUMP (S

CHEMICAL AD
 TEST ALAR
 B.A. MIX

RC EVAPORAT
 DISTILLAT
 DISTILLAT
 DISTILLAT
 CONC. VAP
 GAS STRI
 FEED TAN

CONCENTR
 REBOILER
 PREHEAT

CONC. 5
 CONCENT
 FEED TA

SYSTEM TE
 1. CONC
 2. COND.
 3. COND.
 4. GAS
 5. GAS
 6. GAS
 7. GAS
 8. GAS
 9. DIST

RECOVERY OPERATIONS LOG

RADWASTE DISPOSAL PANEL

Sump Levels	Max. Reading	Max. Capacity	11-7		7-3		3-11	
			1	2	1	2	1	2
WDL-T-2 - MWHT	10.0'	19,800 *	3.3 3.5	3.3 3.5	3.3 3.5	3.3 3.5	3.3 3.5	3.3 3.5
WDL-T-8A - Neut. Tank "A"	10.75'	8,780	.2	.2	.2	.2	.2	.2
WDL-T-8B - Neut. Tank "B"	10.75'	8,780	.2	.2	.2	.2	.2	.2
Contam. Drain Sump	3.0'	135	1.6	1.6	1.6	1.6	1.6	1.6
"A" RB Spray Sump - BS Sump Level	4.0'	359	1.69	1.69	1.69	1.69	1.69	1.69
"B" RB Spray Sump - BS Sump Level	4.0'	359	2.37	2.37	2.37	2.37	2.37	2.37
Aux. Bldg. Sump Level	4.4'	9,983 *	3.15	3.15	3.15	3.15	3.15	3.15
.. Bldg. Sump Level	6.0'	2,095	N/A	N/A	N/A	N/A	N/A	N/A
"A" DHR Sump Level	4.0'	359	2.9	2.9	2.9	2.9	2.9	2.9
"B" DHR Sump Level	4.0'	359	2.3	2.3	2.3	2.3	2.3	2.3
Aux. Sump Tank Level	4.5'	3,085	4.05	4.05	4.05	4.05	4.05	4.05
WDL-T-11A - Contam. Drain Tk.	5.5'	2,660 *	.25	.25	.25	.25	.25	.25
WDL-T-11B - Contam. Drain Tk.	5.5'	2,660 *	3.3	3.3	3.4	3.5	3.5	3.5
WDL-T-1A - "A" Bleed Tank	15.5'	83,400	0	0	0	0	0	0
WDL-T-1B - "B" Bleed Tank	15.5'	83,400	.95	.95	.95	.95	.95	.95
WDL-T-1C - "C" Bleed Tank	15.5'	83,400	12.3	12.3	12.3	12.3	12.3	12.3
WDL-T-9A - ECTT "A"	12.0'	10,602	.4	.4	.4	.4	.4	.4
WDL-T-9B - ECTT "B"	12.0'	10,602	7.0	7.0	7.0	7.0	6.95	6.95
WDS-T-2 - Conc. Waste Tank	12.0'	9,000	0	0	0	0	0	0
WDS-T-3 - RBAT	10.0'	8,255	6.7	6.7	6.7	6.7	6.7	6.7
wDS-T-1A - Spent Resin Tank	12.0'	3,457	11.6	11.7	11.6	11.6	11.6	11.6
wDS-T-1B - Spent Resin Tank	12.0'	3,457	9.0	9.1	9	9	9	9

*Twice a Shift

SMEAR SURVEY RECORD
THREE MILE ISLAND GENERATING STATION

SURVEY INFORMATION:

Location 280' Spent Resin Storage Trs (IA)
 Date 3-26-80
 Time _____
 Number 1-21
 Surveyor E. Kictarek

COUNTING INFORMATION:

Instrument Used Lullum 2000 # 10701 Cal. Due 4-17-80
 Efficiency: BY .15 Bkg: BY 30
 Date 3-27-80
 Time 01.45
 Technician J. Mitchell

REMARKS:

REVIEWED BY Clontz
 DATE 27 Mar 80

LOCATION: SAMPLE NUMBER	GROSS SAMPLE COUNTS	COUNT TIME	GROSS CPM	2σPLUS BKG CPM	NET CPM	DPM	LOCATION: SAMPLE NUMBER	GROSS SAMPLE COUNTS	COUNT TIME	GROSS CPM	2σPLUS BKG CPM	NET CPM	DPM
1	108	.5 min	216	41	186	1240	26						
2	148		296		266	1766	27						
3	114		228		198	1320	28						
4	55		110		80	533	29						
5	190		380		350	2333	30						
6	213		426		396	2641	31						
7	222		444		414	2760	32						
8	56		112		82	547	33						
9	187		374		344	2293	34						
10	83		166		136	907	35						
11	172		344		314	2093	36						
12	53		106		76	507	37						
13	93		186		156	1041	38						
14	52		104		74	493	39						
15	149		298		268	1787	40						
16	55		110		80	533	41						
17	139		278		248	1653	42						
18	52		104		74	493	43						
19	242		484		454	3021	44						
20	77		154		124	827	45						
21	865		1730		1700	11333	46						
22							47						
23							48						
24							49						
25							50						

SPENT RESIN STORAGE TANKS.

UNIT 2

Page 2 of 2

280' LEVEL

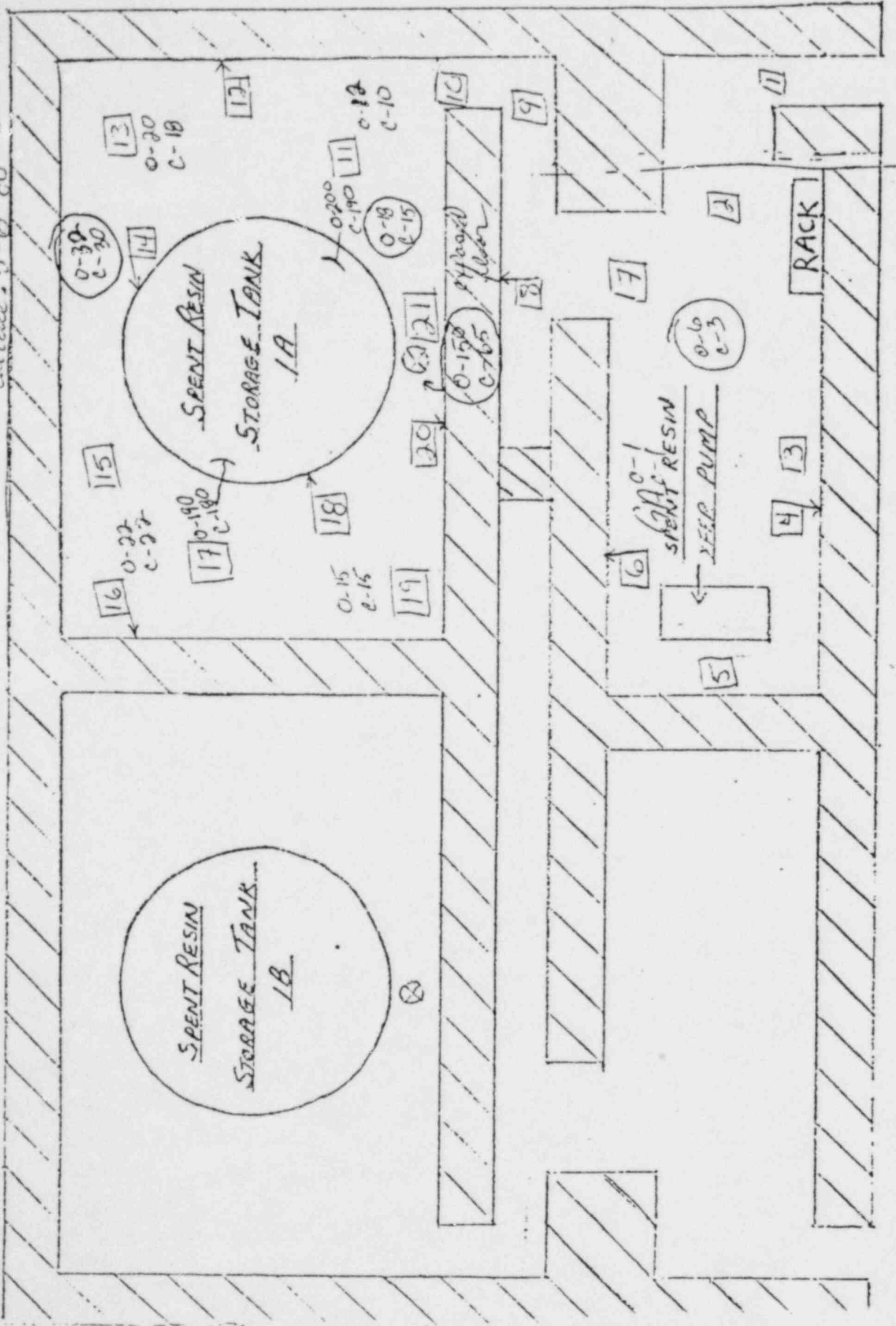
DATE 3-26-80 7:00 PMR.

TIME _____ INST. POZA #333

TECH. KICKERK

SURVEY NO. II-B-9

Cal. Elev: 5-6-80 C.F. = 4.0



SMEAR SURVEY RECORD
THREE MILE ISLAND GENERATING STATION

SURVEY INFORMATION:

(1B)
Location 280 Spent Resin Storage T6S
Date 3-26-80
Time _____
Number 1-
Surveyor E. Kietarel

COUNTING INFORMATION:

Instrument Used Ludlum 2000 at 1070/
Efficiency: By .15 Bkg: By 30
Date 3-27-80
Time 0230
Technician J. Mitchell

REMARKS:

REVIEWED BY

Clouty

27 Mar 80
DATE

LOCATION: SAMPLE NUMBER	GROSS SAMPLE COUNTS	COUNT TIME	GROSS CPM	20PLUS BKG CPM	NET CPM	DPM	LOCATION: SAMPLE NUMBER	GROSS SAMPLE COUNTS	COUNT TIME	GROSS CPM	20PLUS BKG CPM	NET CPM	DPM		
1	310	.5min	620	41	579	3933	26								
2	67	}	134	}	104	693	27								
3	124		248		318	1453	28								
4	54		108		78	520	29								
5	210		420		390	2600	30								
6	130		260		230	1535	31								
7	63		126		96	640	32								
8	119		238		208	1386	33								
9	67		134		104	693	34								
10	134		268		238	1587	35								
11	88		176		146	973	36								
12	178		356		326	2173	37								
13	64		128		98	653	38								
14	76		152		122	813	39								
15	148		296		266	1773	40								
16	57		114		84	560	41								
17	172		344		314	2013	42								
18	98		196		166	1113	43								
19	332		664		634	4227	44								
20	94		188		158	1053	45								
21	541		1082		1052	7013	46								
22							47								
23							48								
24							49								
25							50								

SPENT RESIN STORAGE TKS.

UNIT 2

Page 2 of 2

DATE 3-26-80 % PWR. _____

TECH. KICKER

TIME _____ INST. RO2

SURVEY NO. II-B-9

#227

Cal due: 5-6-80 CR-4.0

280' LEVEL

*NOTE: all readings @ ~ 5 ft above floor (avg level)

