HSA

Historical Site Assessment

MYAPC

HSA ID# 95

RADIOLOGICAL INCIDENT REPORT INDEX Steve White

Phil Mann

1987

RIR #	TITLE
87-1	RWST Siphon Heater Area
87-2	RCA/Drumming Room
87-3	Loop 2, el-2, RCM 23
87-3a	Checkpoint
87-3b	Checkpoint
87-4	Containment Outerannulus
87-4a	Checkpoint
87-4b	Checkpoint
87-4c	Checkpoint
87-4d	Checkpoint
87-5	High Rad Barrier
87-6	CTMT Trash Storage Area
87-8	CTMT, Loop 1
87-7	High Rad Areas over 1,000 mRem
87-8	Spray Building el 36' T.S. 5.12 Locked Door #1
87-9	ADT "Tank" Cubicle Door
87-035	Investigation of Inappropriately Positioned High Radiation Area Barrier

I&C training Lab

RADIOLOGICAL INCIDENT REPORT INDEX

1988

RIR #	TITLE
88-1	Potential for Loss of Source Control
88-2	RWST Siphon Heater Leak
88-3	Personnel Contamination Not Immediately Removed
88-4	RWST Siphon Heater Repeat Leak
88-5	Radwaste Shipment - Resin Found in Cask
88-6	Dosimetry Records - Termination Letters Not Issued
88-7	Radwaste Shipping Violation - Filters had to be stabilized in HIC or solidified because isotopes with $T_{1/2}$ > 5 years exceed 1 uCi/cc total
88-8	Radioactive Material Shipping Violation by SEG on an Empty B-88 box which read 375 mR/hr
88-9	Radioactive Shipping Paper Discrepancy
88-10	Using Outdated Vendor Procedure
88-11	Entering posted high rad are without survey meter and/or RWP - Tech spec 5.12 violation
88-12	HRA entry without RWP - Potential
88-13	Storage of respirators filter cartridge barrels - potential Part 20 violation
88-14	Hi Rad Key inventory discrepancy
88-15	Personnel contamination from "Hot Particles"
88-16	Exceeding administrative overexposure limits by more than 10%
88-17	High Airborne Activity 89.5 MPC hrs/hr
88-18	Significant skin exposure exceeding 750 mRad (D. Magnarelli)
88-19	Administrative overexposure (greater than 10%) but not over Part 20 limits (exceeded quarterly limit 2282 vs. 2000 limit)
88-20	Personnel contamination from hot particle
88-21	Personnel contamination from hot particles
88-22	Worker exceed weekly dosimeter limits
88-23	Contamination found inside the Wiscasset Wall

88-24	Voided
88-25	Violation of 10CFR20.408(b) 2 Maine Yankee employees terminating did not receive their lifetime term letters within the 30 day period as required by Part 20.

RADIOLOGICAL INCIDENT REPORT INDEX

1989

RIR #	TITLE
89-1	21' el Spray Building
89-2	Dosimetry Records
89-3	Staff Building entrance and Gatehouse construction area
89-4	Exit of Containment and Checkpoint
89-10	Lower Level PAB, Letdown area, RWP #89-11-881

RADIOLOGICAL INCIDENT REPORT INDEX

1990

RIR #	TITLE
90-1	Late Termination Letter
90-2	AO climbed over locked high rad gate
90-3	Yellow painted wood released from RCA
90-4	Personnel contaminations - BWST siphon heater leak
90-5	PCC-A-216 unplanned exposure (NRC 90-11)
90-6	Lost HRA key
90-7	Truck loaded with radioactive material parked outside RCA
90-8	Source leak tests

RADIOLOGICAL INCIDENT REPORT INDEX

1991

RIR #	TITLE
91-1	Meter not source-checked
91-2	Working with material in drum marked "Radioactive Material" - not on RWP
91-3	Entered containment at power without neutron TLDs
91-4	RWP not modified to remove Hot Particle controls
91-5	Off-scale dosimeter
91-6	Ladder providing access to posted area
91-6a	Filter element dislodged during sampling

RADIOLOGICAL INCIDENT REPORT INDEX

1992

RIR #	TITLE
92-1	Meter source check issue
92-2	SFP potential hot particle exposure (UOR #92-005)
92-3	Potential unlocked HRA (UOR #92-009)
92-3	Receipt of RAM shipment not in accordance with 49CFR limits (info document only)
92-4	Lost High Rad key in containment
92-5	HRA door found unlocked
92-6	Multiple personnel contaminations during cavity decon RIR 92-7 incorporated into 92-6. All part of the same event.
92-8	Meter not source checked
92-9	Spray Building cage found unlocked
92-10	Spray Building hatch found unlocked
92-11	TK-85 cubicle gate found unlocked
92-12	Exceeded dose estimate for loop entry at power
92-13	Two containment items found in Turbine Hall during audit
92-14	RWT left HRA key in LSA Building door

RADIOLOGICAL INCIDENT REPORT INDEX

1993

RIR #	TITLE
93-1	Containment entry without neutron dosimetry (complete)
93-2	No RIR
93-3	Entry into a High Rad Area without T.S. Controls (complete)
93-4	Workers in loops opened locked HRA gate for a member of their work party
93-5	Multiple personnel contaminations due to venting S/G to containment atmosphere
93-6	Failure to adequately control work - 3 persons as a result (complete)
93-7	Lost Th-230 source (activity <10X Appendix C)
93-8	OPS left key ring at containment access (information only)

1994 RIR INDEX

RIR #	Title
94-1	HRA Gate found not latched (mechanical failure)
94-2	Improper paperwork for waste shipment
94-3	RC Tech Removed HRA key from site
94-4	Survey log signed off - Survey not completed (Potential NRC Violation)
94-5	RAM Shipment left on site without RP notification
94-6	PAB contaminated by Ops filter change
94-7	Tour group contaminated

1995 RADIOLOGICAL INCIDENT REPORT INDEX

RIR #	DATE	RIR TITLE	INITIATED BY
95-001	1/09/95	Loss of Control of Spare Key Locker	
95-002	2/15/95	Containment High Rad Posting	
95-003	2/14/95	Unlabeled Bag of Contaminated Rags	
95-004	2/14/95	Upender Pit Dose Investigation	
95-005	2/17/95	Not an RIR	
95-006	3/01/95	Hot Filters in PAB Pipe Tunnel	
95-007	3/07/95	Loss of RCA by RCP Contaminated.	
95-008	3/06/95	Worker Entered HRA Without RWP Controls	
95-009	3/18/95	RP Tech Discovered T.S. HR Door Unlocked	
95-010	3/04/95	Multi-Personnel Contaminations in LSA	
95-011	3/24/95	Worker Exceeded Admin Level in Ugly Bucket	
95-012	4/03/95	Improper Posting of T.S. HR Entrance	
95-013	5/28/95	Unauthorized Delivery of Radioactive Material	
95-014	6/02/95	Failure to Respond to a Request for Exposure	G. Stewart
95-015	6/21/95	Failure To Post Notice of Violation	E. Heath
95-016	6/29/95	Inadvertant Release of Radioactive Reed Switches	J. O'Connor
95-017	6/30/95	Unaccounted High Rad Key	J. O'Connor

1995 RADIOLOGICAL INCIDENT REPORT INDEX

RIR #	DATE	RIR TITLE	INITIATED BY
95-018	7/12/95	Limited Quantity RAM Shipment Found Stored in Warehouse	A. Capristo
95-019	7/21/95	Out of Specification Receipt of Radioactive Material/Related Receipt Issues	
95-020	7/24/95	Possible Compromise of Tech Spec 5.12 Barriers	G. Stewart
95-021	8/1/95	Contamination of PAB during Decon of Pipe Tunnel	
95-022	8/14/95	ISCO Composite Sampler found Non-operational	
95-023	8/17/95	Significant Potential to Exceed Public Dose	G. Stewart
95-024	8/30/95	T.S. 5.12--Unauthorized Access	R. Shippee
95-025	9/07/95	Unauthorized Receipt of Radioactive Material	A. Capristo
95-026	9/08/95	Potential T.S. 5.12 Violation	M. Finn/J. O'Connor
95-027	9/13/95	Failure to Perform Frisk Prior to Exiting Restricted Area	M. Finn
95-028	9/24/95	Containment Pressurizer Door found ajar	R. Shippee
95-029	9/25/95	Improper Posting of High Rad Area	A. Capristo
95-030	10/02/95	Release of Contaminated Modesty Garments	R. Shippee/R. Warnick
95-031	10/03/95	Unposted Access to the Restricted Area	R. Shippee

1995 RADIOLOGICAL INCIDENT REPORT INDEX

RIR #	DATE	RIR TITLE	INITIATED BY
95-032	10/07/95	Failure to Follow H.P. direction--interference with H.P. Tech.	J. O'Connor
95-033	10/08/95	Violation of RWP Dress Requirements--Westinghouse	J. O'Connor
95-034	10/19/95	T.S. High Rad Door Found Opened & Unattended	A. Capristo
95-035	10/19/95	Radiological Spill in the CS Building (UOR 95-080)	E. Heath
95-036	11/13/95	Use of Long Handled Tools in the Reactor Cavity	A. Capristo/D. Widger
95-037	11/15/95	High Rad Key Control (OPS)	J. O'Connor
95-038	12/01/95	Loss of Control of T.S. High Rad Key	R. Warnick
95-039 (DRAFT)	12/08/95	Failure to Read SRD Procedure 9-7-100 Violation (DRAFT)	J. O'Connor
95-040	12/10/95	Loss of Control of T.S. High Rad Key	A. Capristo
95-041	12/11/95	Exposure in Excess of Administrative Limits	M. Finn
95-042	12/07/95	Unanticipated Creation of HRA--UOR 95-096	S. Shelanskey
95-043	12/12/95	T.S. 5.12 Door Watch Found Asleep	J. O'Connor
95-044	12/12/95	Failure to Initial Source Check Sticker on a Survey Meter RO-2A and Potential to Use an Unsource-Checked Meter	Y. Zhu
95-045	12/15/95	Limited Quantity Shipment Out of Spec.	M. Readinger
95-046	12/17/95	Unposted High Radiation Area in Spent Fuel Pool Building	R. Shippee

1995 RADIOLOGICAL INCIDENT REPORT INDEX

RIR #	DATE	RIR TITLE	INITIATED BY
95-047	12/18/95	Spread of Contamination beyond Contaminated area boundaries	J. O'Connor

1995 RADIOLOGICAL INCIDENT REPORT INDEX

RIR #	DATE	RIR TITLE	INITIATED BY
95-048	12/21/95	Apparent Falsification of HP Instrument Source Check Records	Y. Zhu

1996 RADIOLOGICAL INCIDENT REPORT INDEX

RIR #	DATE	RIR TITLE	INITIATED BY
96-001	01/03/96	Gate House Portal Monitor Alarm	R. Shippee
96-002	01/05/96	Unexpected radiation levels outside the RA	D. Lagueux
96-003	02/29/96	Gas Leak in PAB	J. O'Connor
96-004	3/15/96	Area Monitor Found Not Source Checked	Y. Zhu
96-005	4/5/96	Unposted Radiation Area	G. Collins
96-006	4/5/96	Maint. Cut Piping at CH-99 with Sys. Press.	E. Heath
96-007	4/16/96	Gas Release During VCT Burp	G. Collins
96-008	4/16/96	Contaminated hose found in clean area	G. Collins
96-009	6/27/96	Failure to Perform Adequate Personnel Monitoring	M. A. Finn
96-010	7/16/96	Unanticipated Extremity Exposure During Filter Change-out	G. M. Collins
96-011	7/29/96	Spill of H_2O from down-ended rack	P. Plante
96-012	8/16/96	High Rad Key left in AO's locker	Ops
96-013	9/20/96	Spill at PD Pump Area	Ops
96-014	9/25/96	Rad Material found in uncontrolled area	A. Capristo

1996 RADIOLOGICAL INCIDENT REPORT INDEX

RIR #	DATE	RIR TITLE	INITIATED BY
96-015	10/17/96	Contamintated Tools Outside of Controlled Area	J. O'Connor
96-016	12/4/96	Hot particle found in chair	M. A. Finn

UNUSUAL OCCURRENCE REPORT LOG

YEAR 1987

Report No.	Date	Subject
1-87	1/3/87	#2 governor valve will not return to normal position during turbine valve test
002-87	1/3/87	PWST Leak
003-87	1/6/87	Improper Assembly found on BA-10
04-87	1-8-87	DG-1B low fuel oil pressure / improper strainer assembly
5-87	1-9-87	APS Channels A,B,D Loss Of Load Trip + Pre Trip Alarm lights without plant trip
6-87	1/12/87	Loss of Control Power to the #1 RMS cabinet
7-87	1/13/87	TM/LP Ch B Pre trip
8-87	1/13/87	DG 1A inoperable due to a burned ~~footpot~~ relay.
9-87	2-1-87	MSP-169 + MS-195 Found Unlocked
10-87	2-5-87	Maine CEP hotline inoperable.
11-87	2-6-87	PAP Flowmeters
12-87	2/12/87	PVS APD pump tripped
13-87	2-13-87	SFP JIB crane installed w/o yellow tag.
~~14-87~~ 14A-87	~~2/18/87~~ 2/23/87	~~PVS APD Pump tripped~~ CEA 34 position indication during CEA exercising
15-87	2/22/87	ENS phone inoperable
16-87	2/25/87	Caustic spill in H_2O treatment area
17-87	2/25/87	RWST Heater Leak.
18-87	2-6-87	Air Ejector Whistling
19-87	3-13-87	Loss of power to FEAS stationary sirens
20-87	3-14-87	HEATER DRAIN TANK HIGH LEVEL CONTROL VALVE OPENED AT POWER
21-87	3-15-87	STEAM Gen. Lo Press. Pre-Trip "locked in" on Ch. 'B'
22-87	3-17-87	F2B autostart ^(signal)^ due to failure of PI 1206

UNUSUAL OCCURRENCE REPORT LOG

YEAR 1987

Report No.	Date	Subject
23-87	3/18/87	Reversal of Drain valve operation control for first point heater extraction steam drains
24-87	3-20-87	Channel A B and D RPS S/G lo press pretrip lockins
25-87	3-21-87	Long Handled Fuel Tool damaged in Spent Fuel Pool
26-87	3/21/87	Violation of Tagging Rules by complete removal of a tagged shut valve
27-87	3-22-87	Excessive Leak on TK-35 (Seal Water Ret Th.)
28-87	3/26/87	Loss of CW flow and vacuum priming in "A" waterbox with "B" box OOS
29-87	3/27/87	E-11A FW safety valve failed open FW-S-31
30-87	3/27/87	P-28 ~~failed to start~~ Tripped immediately following start
31-87	3/28/87	Trip of containment purge when T/H was opened during plant shutdown
32-87	3/28/87	RCP#2 trip when loop 2 Tc stop valve (RC HV21) was partially stroked.
33-87	3/30/87	Spring Hanger SI-H-29 found blocked.
34-87	3/30/87	Aux. Boiler Vents Left Open Causing B-1A F.D. Fan to Short.
35-87	4-3-87	Burned Sump pump in circ house
36-87	4/6/87	Violation of tagging rules by signing clear of incorrect tagging order
37-87	4/9/87	Water from RWST drained into RHR system when RHR was secured to investigate low level indication discrepancies
38-87	4/11/87	SCC isolation valves open with their trip function disabled.
39-87	4/14/87	RAS actuation Deenergizing DP/BUCK 16
40-87	4-14-87	Plastic piece found in CI valve seat
41-87	4-14-87	Broken Fuel Pin result of reconstituted
42-87	4/14/87	SCC ~~leak~~ Spill at Seal Oil Unit due to Inadequate Draining
43-87	4/17/87	Tagging Violation - Air isolation valve tagged shut found open.
44-87	4-24-87	Disconnection of 1ST and 2nd pt heater blanket steam
45-87	4-24-87	Refueling Machine Apparent Collision.

UNUSUAL OCCURRENCE REPORT LOG

YEAR 1987

Report No.	Date	Subject
46-87	4/24/87	PCC overflow at Tanker Truck filling from E-3A
47-87	4-28-87	Through wall crack one inch long on RWST
48-87	4/29/87	MS-S-32 failed surveillance
49-87	4-30-87	Worker Injured in fall through access opening
50-87	4-30-87	Torque switch on CS-M-91 set low / wrong spring pack
51-87	5-4-87	leak on RH-8
52-87	5/4/87	SCC-A-460,461 open with trip function disabled
53-87	5-5-87	SCC and PCC interconnection on loss of control air
54-87	5-6-87	SCC Isolation valves inadvertent opening
55-87	5/9/87	Fire barrier door found open
56-87	5/9/87	Steam Generator Safety MS-S-16 failed surveillance
57-87	5/11/87	HSI-M-54, 55 Failed MOVATS
58-87	5/11/87	Overflowed upender Pit to ICI sump
59-87	5/11/87	Chromated Water Spill
60-87	5/12/87	ADT overflowed thru SL-58 to PAB floor
61-87	5/13/87	Raychem Heat Shrink Tubing on Wire Splices for Conax Seal Assemblies may not meet EQ Requirements.
62-87	5/13/87	~~Crane tipped over in equipment hatch~~ area outside containment
63-87 (~~62-87~~)	5/18/87	CH-M-86 Rotating Valve Stem
64-87	5/15/87	Polynuclear Fire Breach
65-87	5/22/87	Cardox Activation Relay for Cable Vault Inoperable
66-87	5/22/87	SL HT-X Drain Valves [illegible] but not on FMS or In 1-12.5
67-87	5-22-87	EQ Discrepancy in Cont Sump level transmitters
68-87	5-23-87	MS-S-170 Relief on P-25B tested inoperable

UNUSUAL OCCURRENCE REPORT LOG

YEAR 1987

Report No.	Date	Subject
69-87	5/24/87	P-14A Loss of Discharge Pressure NO Flow
70-87	5-25-87	Distortion of Pipe support in PZR cubicle
71-87	5-25-87	charging Pump Discharge ck valves nuts loose
72-87	5-26-87	Loop RTD EQ discrepancies in 4 RTDs
73-87	5-27-87	Steam Generator over pressurization
74-87	5/28/87	P14B failed to start.
75-87	5/28/87	Lowered RR level while receiving RWST.
76-87	5/29/87	Load shift During Installation of Fwhtr Manway
77-87	5-30-87	DG-1B start failure + Low Frequency.
78-87	5/30/87	Temporary instrumentation installed on Loops #2
79-87	5/31/87	Inadvertent transfer 700 gal from BAST to #2 SIT
80-87	6/1/87	P12B found running backward
81-87	6/2/87	"A" test tank unacceptable for release and unacceptable for reprocessing.
82-87	6/4/87	HELB "B" train fired when TIA 242 C&D were deenergized.
83-87	6/4/87	200 gal of NaOH from SCAT dumped into RWST.
84-87	6/4/87	PDT 110 (core ΔP) transmitter damaged when valved in.
85-87	6-4-87	P-14B auto trip in green flags
86-87	6-5-87	HSI-MV-41 Failed to Close
87-87	6-5-87	HSI-S-47 lifted during ECCS valve tests
88-87	6-6-87	PT-303 B MS1 Header pressure, sensing line ~~fitting~~ leak
89-87	6-8-87	P-25B suction relief lifting when start pump
90-87	6-8-87	Lightning Strike at Faxbrd
91-87	6-10-87	PW-51 leak causes RCS dilution

UNUSUAL OCCURRENCE REPORT LOG

YEAR 1987

Report No.	Date	Subject
92-87	6-13-87	Auto trip of Bkr 8F8A while trying to Xfer Bus 7+8
93-87	6-13-87	Auto trip of Bkr ~~8881~~ 6081 and loss of Bus 7+8 loads
94-87	6-15-87	Steam Dump/Turbine Bypass Switches Misplaced
95-87	6-16-87	CH-A-32 Leaking By
96-87	6-18-87	E decay drum inadvertent release while releasing "O" decay line
97-87	6-17-87	ACB 2R auto close while ACB 2V already powered bus.
98-87	6-20-87	Unusual Rhythmic Clanging Sound at E-4A inlet
99-87	6-22-87	Seismic Problem with ICI Rod Table
100-87	6-26-87	Inappropriate use of MS-91 and MS-92 on long term (>72 hrs) rebounds for MS-90
101-87	6-27-87	Close Call on #3 SG Level
102-87	6-27-87	Manual Trip, close to #3 S/G level on loss of MFRV control.
103-87	6-29-87	AMERTAP balls clog tubes in E5B
104-87	6-29-87	P25B, inoperable due to improper ~~operation~~ MS-5170
105-87	7-1-87	Manual turbine Trip due to high vibration on #5 bearing
106-87	7-2-87	SCCM 165 failed to cycle
107-87	7-3-87	CST Level Indication Isolated
108-87	7/7/87	~~FK 85 Spent~~ 5 feet of water in FK 85 contained Waste Resin Storage Tank
109-87	7-8-87	CH-H-49 Apparently Cycling Open + Closed
110-87	7-10-87	Unidentified Valve off CH-50
111-87	7-10-87	Na^+ in RCS
112-87	7-13-87	Low 115KV Line Alarm When Starting #3 RCP
113-87	7-15-87	SIT #3 Leak To Quench Tank Through SIA-5-41
114-87	7-15-87	Channel B Hi P2R. Press Pre Trip

UNUSUAL OCCURRENCE REPORT LOG

YEAR 1987

Report No.	Date	Subject
115-87	7-26-87	BA-46 leakage due to line overpressure
116-87	7-30-87	RCS cooldown while on RHR
117-87	8-3-87	~~R~~ Unexplained Cs decrease
118-87	8-6-87	PW-A-78 limit switch cover ajar
119-87	8-7-87	Small Oil Spill into CW Discharge Forebay
120-87	8-12-87	Broken Mounting Bolting on Rx Head/Prz Vent System MOVs. motor operators
121-87	8-14-87	RCS cooldown while putting on RHR
122-87	8-16-87	High pH In The CST ~~CST CAUSTIC Intrusion~~ DEC
123-87	8-17-87	Unexplained SFP level increase
124-87	8-17-87	PVS APD High Press. Sensing line plugged
125-87	8-20-87	CONTAMINATED RAGS, 800 mR/hr, FOUND IN WASTE DRUM AT CTMT ACCESS.
126-87	8-22-87	#1 CEA failed to withdraw
127-87	8-24-87	Main Feedwater Regulating Valves isolation valves FW 108, 208, 308 found shut
128-87	8-27-87	P2C STANDBY CONTROL/LUBE OIL PUMP AUTOSTART
129-87	9-1-87	FAILURE OF INVERTER #6 AND LOSS OF COMPUTER BEFORE TRANSFER TO ALTERNATE POWER SUPPLY
130-87	9-3-87	Pressurizer Degasification Path To VCT isolated
131-87	9-10-87	P-25A INOPERABLE DUE TO BEARING OIL LEAK
132-87	9-11-87	ASP LOOP COLD LEG TEMP. IND. FOR LOOP 1 & 2 INOPERABLE
133-87	9-14-87	ISOLATION OF 1st POINT FEEDWATER HEATER (E-11B) HI LEVEL ALARM TRANSMITTER RESULTS IN FEEDWATER HEATER SYS. OSCILLATION
134-87	9-14-87	UNEXPECTED COMPUTER ALARM MESSAGES + CHA RPS LO FLOW TRIP DURING COMPUTER DEPT. SURVEILLANCE.
135-87	9-15-87	RAD. PANEL ALARMS DUE TO ERRATIC SIGNAL FROM OUT-OF-SERV MONITOR
136-87	9-16-87	Inadvertent use of P 14S

UNUSUAL OCCURRENCE REPORT LOG

YEAR 1987

Report No.	Date	Subject
138-87	9-17-87	AUX. FEED PP. (P-25B) DECLARED INOPERABLE.
139-87		
140-87	9/18/87	CHAN. A DT POWER SPIKE RESULTS IN MOMENTARY CHANNEL A SD TRIP, HI POWER TRIP, TM/LP TRIP
141-87	9/18/87	FAILURE OF CONTROL AIR DRYER (FL20A)
142-87	9/20/87	FAILURE TO ENTER REMEDIAL ACTION OF PROPOSED T.S. 3.21 FOR P-7 INOPERABILITY
143-87	9/21/87	SMALL LEAK IN BODY OF DISCHARGE CHECK VALVE FOR CFW PP. P-2C
144	9/20/87 ~~9/26/87~~	HIGH BORON CONCENT. IN THE "A" TRAIN HPSI SUCTION LINE
145	9/26/87	CHANNEL "D" HI POWER, TM/LP & SD TRIPS DECLARED INOPERABLE
146	9/29/87	VACUUM LOSS DUE TO AIR LEAK AT THE S/G BLOWDOWN TANK
147	9/29/87	MISPOSITIONED VALVES ON QUENCH TANK LEVEL CONTROL
148	10/2/87	LOW STM. GEN. MARGIN TO SATUR. ALARMS DURING RPS SURVEIL.
149	10/2/87	RPS CHANNEL B SPURIOUS TRIPS ON TM/LP AND HI POWER
150 Add.	10/3/87	#3 S/G CAD HIGH LEVEL INDICATION DURING RPS S/G LOW LEVEL SURV
150	10/3/87	SAME AS ABOVE 9
151	10/5/87	Feed Train Transient Due To E-11B LoLv Alarm
152-87	10/9/87	INABILITY TO DRIVE CEA DUE TO FAULTY SCR POWER PROGRAMMER TIMER MODULE
153-87	10/11/87	RHRSW SIPHON HEATER LEAKAGE
154-87	10/12/87	DROPPED ROD #55 (GROUP 1)
155-87	10/13/87	P-14A (Charging/HPSI Pump) Auto Start During ECCS Routine Testing
156-87	10/14/87	DROPPED ROD # 19 (GROUP 2)
157-87	10/21/87	ModComp Failure
158-87	10/20	P-7 SUCTION PRESS. TRIP FAILED.

UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1987

REPORT NO.	DATE	SUBJECT
159-87	10/24/87	RWST HEATER RETURN LINE CRACK
160-87	10/28/87	WATER IN DIESEL STARTING MOTOR EXHAUST
161-87	10/30/87	LOW TM/LP VALVE ON CHANNEL A RPS
162-87	11/2/87	BROKEN SHEAR PIN ON "C" TRAVELING WATER SCREEN.
163-87	11/4/87	IMPROPER ENGINEERING VALVE DESIG. OF REGEN. HT. EX. DR. VLV
164-87	11/4/87	A LOCKED SHUT RCS VALVE (CS-103) FOUND PARTIALLY OPEN
165-87	11/8/87	LOST RESERVE POWER AVAILABILITY TO BUSES 1E,2
166-87	11/11/87	UNANALYZED LEAD SHIELDING ON SAI H_2O RETURN LINE
167-87	11/15/87	ADD. #3 Condenser Vacuum Loss due to Degraded Air Ejector (ET-11A)
168-87	11/18/87	P-25B SERVICE WATER PUMP BEARING LOW H_2O BACKUP SUPPLY FOUND ISOLATED.
169-87	11/23/87	ELECTRIC FIRE PUMP (P-4) DISCHARGE CHECK VALVES (FS-9) STUCK OPEN
170-87	11/24/87	DG1A (EMERGENCY DIESEL GENERATOR) DECLARED INOPERABLE DUE TO FAULT IN STARTING SEQUENCE CIRCUITRY.
171-87	12/ ?	VOID
172-87	12/1/87	PCC-M-43 FAILURE TO OPEN
173-87	12/3/87	LOW HPSI SUCTION CB
174-87	12/4/87	DROPPED CEA #55 DURING CEA EXERCISING
175-87	12/7/87	HSI-M-5A TORQUE SWITCHES WIRED INCORR.
176-87	12/6/87	BLIND FLANGE ON PCC RETURN HEADER FROM CTMT RECIRC. FAN COOLERS WITHIN CI BOUNDARY BUT NOT C.I.
177-87	12/8/87	TURBINE DIFFERENTIAL EXPANSION DURING TURBINE VALVE TESTING.
178-87	12/9/87	Cover Plate for CI Valves Not Properly Locked
179-87	12/14/87	PCC LEAK ON #2 CEDM COOLING FAN UNIT

UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1987

REPORT NO.	DATE	SUBJECT
180-87	12/17/87	LOSS OF INCORE MONITORING SYSTEM DURING RE SURV.
181-87	12/23/87	UNANALYZED LEAD SHIELDING ON RUST SIPHON HEATER RETURN LINE.
182-87	12/29/87	DG 1B Start relay failure.

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UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1988

REPORT NO.	DATE	SUBJECT
1-88	1/5/88	REACTOR TRIP DUE TO LOSS OF BOTH HTR. DR. PUMPS
2-88	1/5/88	CEA #47 WOULD NOT DROP DURING RX TRIP BREAKER MANUAL TEST.
3-88	1/5/88	INABILITY TO WITHDRAW CEA #53
4-88	1/5/88	LOSS OF CONDENSER LEVEL CONTROL AND INSTRUMENTATION
5-88	1/7/88	LOSS OF COMMUNICATIONS BY DIRECT NET, CEP, AND STATE POLICE PHONES.
6-88	1/12/88	MISSED SURV. FOR COMSIP H2 ANALYZER
7-88	UNKNOWN (1/15/88)	ADMINISTRATIVE CONTROL OF ECCS VALVES AS REQUIRED BY TECH. SPEC. 3-6.
8-88	1/16/88	PEAS TELEPHONE PROBLEM.
9-88	1/19/88	DROPPED CEA #34 DURING EXERCISES.
10-88	1/27/88	POWER REDUCTION TO 2600 MWT TO COMPENSATE FOR CALORIMETRIC BIAS.
11-88	2/3/88	DROPPED ROD #55 (GROUP 1)
12-88	2/3/88	FAILED TURBINE BYPASS VALVE CONT. (MS-P-143)
13-88	2/4/88	MISALIGNED ROD #55 (GROUP 1)
14-88	2/4/88	TWO ENS (RED PHONE) LINES OUT OF SERVICE
15-88	2/4/88	EHC SYSTEM LEAK ON "D" MSR INTERCEPT VALVE
16-88	2/4/88	LOSS OF PRIMARY AUXILIARY BUILDING PANEL PANNUARMS
Addendum 17-88	2/11/88	IMPROPER CH-M-1,87 TORQUE SWITCH SETTING
18-88	2/15/88	S16 Blowdown Sample Sled
19-88	2/17/88	Loss of Comm. by ENS, State Police & NRC lines
20-88	2/23/88	RWST SIPHON HEATER FLANGE LEAK
21-88	2/24/88	RWST SIPHON HEATER RETURN LINE ISOLATION VALVE LEAK.

UNUSUAL OCCURRENCE REPORT LOG

YEAR 1988

Report No.	Date	Subject
22-88	2/29/88	DROPPED CEA #55 DURING CEA EXERCISES
23-88	3/10/88	INADVERTANT PEAS ACTUATION
24-88	3/14/88	P-14B SUCTION PIPING AND PRESSURE CONTROLLER OVERPRESSURIZATION DUE TO LEAK BY CH-27 & CH-[illegible]
25-88	3/14/88	INADVERTANT DELUGE VALVE ACTUATION FOR TRANS. [illegible]
26-88	3/18/88	PRIMARY VENT STACK APD PUMP TRIPPED & WOULD NOT RESTART.
27-88	3/23/88	CONT. LEAKAGE FROM OUTSIDE THE PAB INTO THE PAB SUMP.
28-88	4/2/88	LIQUID WASTE DISCHARGE IN EXCESS OF PRE REPORTED AMOUNT
29-88	4/6/88	FEEDWATER CHECK VALVE (FW-315) LEAK
29-88 A	4/12/88	CEA 51 DROPPED DURING CEA EXCERCISING
30-88	4/14/88	INCORE MONITORING SYSTEM INOPERABLE
31-88	4/16/88	INADVERTANT PEAS ACTIVATION
32-88	4/20/88	P-143 FAILED TO TRIP ON HIGH PRESSURE AFTER AUTO START WHEN IN STANDBY.
33-88	4/26/88	RWST SIPHON HEATER RETURN LINE BREAK
34-88	4/27/88	AIR LEAK ON BD-T-1410 (SG #2 B/D HELB VALVE)
35-88	4/29/88	SECURITY RED PHONE REPORT
37-88	5/5/88	COLLECTION OF WASTE OIL IN TURBINE HALL SUMP
38-88	5/17/88	MISSING YELLOW TAGS ON LPSI INLET LINES
39-88	5/22/88	OVERFILLING OF RWST COLLECTION BARREL
40-88	5/23/88	ENS CALL TO NRC REF: SOLENOID OPERATED VENT VALVES (CH-1185-1225)
41-88	5/24/88	SCC-M-165 FAILURE
42-88	5/27/88	RWST SIPHON (LEAK) HEATER RETURN LINE ISOLATION VALVE

UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1988

REPORT NO.	DATE	SUBJECT
43-88	6/2/88	BORON WASTE STORAGE TANK DIKED AREA SUMP DRAIN VALVE TO YARD STORM DRAIN FOUND OPEN
44-88	6/15/88	PANALARM R-4-4, INCORE TUBE LEAKAGE DISCONNECTED DURING 1980 OUTAGE
45-88	6/23/88	IMPROPER TAG-OUT OF CH-F-38 FOR SOLENOID REPLACEMENT
46-88	6/23/88	CH-F-38 TERM. BLOCK NOT PROVEN QUALIFIED
47-88	6/23/88	FALSE IDENTIFICATION OF REACTOR POWER BY COMPUTER
48-86	6/26/88	HIGH PRESSURE DRAIN SYSTEM TAGGING VIOLATION
49-88	6/28/88	MOTOR GENERATED (1D6-1B) OUTPUT BREAKER TRIPPED OPEN
50-88	7/5/88	FAILURE TO ENTER TECH SPEC 3.0 REMEDIAL ACTION FOR HSI-M-SO INOPERABILITY
51-88	7/7/88	SEISMIC CONCERNS ON THE RWST SIPHON LTR. (E 40) FOUNDATION DUE TO ADJACENT EXCAVATION
52-88	7/11/88	GRID VOLTAGE LOW
53-88	7/13/88	LSH BOX RECEIVED, CONTAINMENT GREATER THAN 10CFR LIMIT.
54-88	7/14/88	CONTAINMENT PERSONNEL HATCH UNLOCKED WITHOUT SECURITY PERSONNEL PRESENT
55-88	8/3/88	INCREASED LEAKAGE TO CONTAINMENT SUMP DUE TO LEAKAGE FROM SAFEGUARDS SUMP
56-88	8/1/88	RHODIUM ALARMS INOPERABLE
57-88	8/9/88	TEMP. JUMPER INSTALLED ON EN-5 W/OUT Y. TAG
58-88	8/10/88	BUS 5 AND/OR BUS 6 LOW VOLTAGE COND.
59-88	8/11/88	D6-1A ROOM HEAT DETECTOR ACTUATED
60-88	8/13/88	CEDS POWER FAILURE
61-88	8/13/88	REACTOR TRIP DUE TO FAULT IN X1A
62-88	8/16/88	MAN INJURED WHILE WORKING ON GENERATOR DURING HIGH POT TEST
63-88	8/17/88	ACTIVITY FOUND IN PRIMARY VENT STACK CONDENSATE

UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1988

REPORT NO.	DATE	SUBJECT
64-88	8/17/88	STEAM LEAK ON HPD-4
65-88	8/19/88	UNEXPECTED GASEOUS RELEASE DURING F-3 DEMINERALIZER RESIN FILL
Addendum 65-88	8/22/88	Addendum to UOR 65-88
66-88	8/22/88	CCDS GROUP B POWER FAILURE
67-88	8/25/88	GAS LEAK ON CONTAINMENT HPD.
68-88	8/25/88	DECAY DRUM RELEASES WITH WASTE GAS RMS DOS
69-88	8/27/88	MAINT REPAIRED WORDING EACY AIR CYLINDER
70-88	8/28/88	MAIN TRANSFORMER X-1S(A) FAILURE WHILE PHASING
71-88	9/1/88	'C' CW pump (P-36C) low amps/cavitation
72-88	9/7/88	SPDS WIRING DISCREPANCY IMPROPER SEPARATION OF INDEPENDENT CHANNELS
73-88	9/7/88	RECEIVED INTERMIT. RPS CH. 'C' VARIABLE OVERPOWER TRIP
74-88	9/8/88	SG #2 LEVEL TRANSIENT CLOSE TO HIGH LEVEL TURBINE TRIP SETPOINT
75-88	9/13/88	ENS CALL FOR CONTROL ROOM VENT.
76-88	9/15/88	LOSS OF PANALARM SECTION [redacted] "SS"
77-88	9/21/88	SMALL FIRE IN XL-A WHILE PREPARING FOR SHIPMENT OFFSITE.
78-88	9/28/88	DEBRIS FOUND IN THE "SHAKER SPACE" BETWEEN THE CONTAINMENT & THE RX BLDG ROOM + Addendum
79-88	9/27/88	P-12A OIL FAILED SURVEILLANCE.
80-88	9/30/88	TCB-4 PROBLEMS.
81-88	10/2/88	PRESSURIZER LEVEL GUIDANCE DISCREPANCY DURING TC COASTDOWN OPERATION
82-88	10/5/88	LOW VOLTAGE ALARM - 115 KV SECT. 207
83-88	10/5/88	HPSI SUCT. SAMPLE VALVE LEFT OPEN.

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UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1988

REPORT NO.	DATE	SUBJECT
84-88	10/7/88	CONTAINMENT PURGE EXHAUST VALVES HANDWHEELS NOT CONNECTED
85-88	10/11/88	WORKER FROM BROWN BOVERI WAS TRANSPORTED TO THE HOSPITAL, (HEAT SICKNESS ?)
86-88	10/11/88	MINOR INSTRUM. LOSS CAUSED BY LIGHTNING STRIKE AT PLANT SITE.
87-88	10/15/88	#1 RCP VAPOR SEAL FAILURE
88-88	10/18/88	WHITE TAG ORDER VIOLATION (WORK COMMENCED BEFORE TAGS WERE HUNG)
89-88	10/20/88	Inadvertant Flooding from E-11A
90-88	10/20/88	SCC NON-SAFEGUARDS ISOLATION VALVE TRIPPED
90-88 Supplement	10/21/88	SCC NON-SAFEGUARD ISOLATION VALVE TRIPPED
91-88	10/21/88	Liquid Spill in Spray Building
92-88	10/22/88	Injured Worker
93-88	10/23/88	SCC-A-461 Found open and inoperable SCC non safeguards return isolation
94-88	10/23/88	missing ECCS #1 Keyring
95-88	10/25/88	INCONSISTANCY BETWEEN FE DRAW. & FIELD CONFIGURATION
96-88	10/26/88	WR NI CH B INADVERTANTLY DENERGIZED
97-88	10/28/88	Lost Seal Level Indication
98-88	10/29/88	Wrong cable cut in cable vault
99-88	10/29/88	BC-M-33 Mis-wired open switch
100-88	10/30/88	Loss of Telephone Communication
101-88	10/31/88	PCC-M-43 Did not fully stroke under pressure differential
102-88	11/1/88	RHR TEMPERATURE DISCREPANCY DUE TO INCORRECT PEN
103-88	11/1/88	SUBCOOLING MARGIN MONITOR WIRING DISCREPANCY
Supplement	11/1/88	Supplement to

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UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1988

REPORT NO.	DATE	SUBJECT
104-88	11/2/88	MAIN STEAM RMS & SMOKE DETECTOR FAILURES DUE TO RAIN-IN LEAKAGE TO VALVE HOUSE
105-88	11/3/88	WIRING DISCREPANCY IDENTIFIED IN MCB H2 ANALYZER WIRING TO RECORDERS REVERSED
106-88	11/3/88	STEAM GEN SAFETY VALVE SURV. FAILURES
107-88	11/4/88	SGC LEAK DURING REMOVAL OF MAIN LUBE OIL COOLER
108-88	11/4/88	X-13 TROUBLE DURING BACKFEED FROM 345 KV YARD
109-88	11/4/88	SMALL FIRE AT H.P. TURBINE DUE TO CUTTING WITH AN INADEQUATE/OMITTED COMBUSTIBLES INSPECTION
110-88	11/8/88	LACK OF ENVIRONMENTALLY QUALIFIED WIDE RANGE NUCLEAR POWER INDICATION
111-88	11/8/88	MOTOR OPERATOR REMOVED FROM VALVE WITH WHITE TAG ATTACHED
112-88	11/10/88	Breaker 718 Tripped Open While Testing Breaker 4081
113-88	11/10/88	Diesel Fire Pump Fuel tank level Less Than Tech Spec. limit of 75 gallons
114-88	11/11/88	Loss of Power to Bus 8 & Bus 7 & 8 MCCS
115-88	11/11/88	Improper assembly of 480 volt breakers and resulting contact finger damage during attempted installation
116-88	11/12/88	DG-1A fuel oil filter improperly assembled
117-88	11/13/88	Leaking SGC Valves
118-88	11/14?/88	INCORE INSTRUMENT CABLE WIRING DISCREPANCIES
119-88	11/12/88	BC-M-13 LIMIT SWITCH FOUND MIS-WIRED
120-88	11/15/88	SECURITY SYSTEM 480V BREAKER TRIPPED
121-88	11/15/88	REFUELING MACHINE DAMAGED
122-88	11/16/88	480 V SUPPLY BREAKER FAULTY DUE TO IMPROPER LATCH SETTING
123-88	11/29/88	Refurbished 480 V BREAKER MISSING INTERNAL JUMPERS
124-88	11/17/88	MAIN TRANSFORMER DRAIN SUMP PUMPDOWN - MILKY LIQUID

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UNUSUAL OCCURRENCE REPORT LOG

YEAR 1988

Report No.	Date	Subject
125-88	11/19/88	ALTERATION OF EMERGENCY BORATION PATH
126-88	11/20/88	INCORRECT POWER SUPPLY TAGGED OUT DUE TO INCORRECT POWER IDENTIFICATION
127-88	11/20/88	RECIRCULATION ACTUATION SIGNAL CHANNEL "A" DURING RWST DRAINING
128-88	11/21/88	86 SIAS B1 & B2 FAILED TO ENERGIZE DURING SIAS "AS LEFT" CALIBRATION
Addendum 128-88	11/21/88	" " "
129-88	11/28/88	CTMT SPRAY BALL VALVE (CS-103) found Mispositioned
130-88	11/25/88	EARTHQUAKE FELT FROM NYC TO QUEBEC CITY DID NOT AFFECT PLANT
131-88	11/28/88	MISSING WHITE TAG FROM RC-M-33
132-88 B	11/29/88	CHEMICAL SPILL IN LUBE OIL STORAGE ROOM
133-88 A	11/28/88	CH-P-1516 FOUND NOT PROPERLY TAGGED
132-88 A	12/1/88	SMALL FIRE IN CROSSUNDER PIPE
133-88 B	12/2/88	WORKER INJURED BY VOLATILE CHEMICALS
134-88	12/5/88	LOSS OF POWER TO MCC 8A
135-88	12/6/88	Government/NRC Notification of SCC Spill
136-88	12/6/88	Injured Worker - Upper back/neck
139-88	12/13/88	#3 RCP UPPER SEAL FAILED #3 RCP HAS INCREASED LEAK OFF FLOW
140-88	12/11/88	HSI-M-50 HIGH OPERATING CURRENT
141-88	12/15/88	WATER HAMMER BETWEEN HTR. DRAIN PUMP DISCHARGE AND MAIN FEED PUMP SUCTION DUE TO HD-A-180 CLOSURE
137-88		
138-88		
142-88	12/16/88	PLANT TRIP ON HI HTR. DRN. TK LEVEL
143-88	12/17/88	Excess Air Charged To CTMT Following The Establishment of CTMT Integrity.
~~149-88~~	~~12/24/88~~	~~AUX. OPERATOR Injured by Sodium Hydroxide Spill~~

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UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1989

REPORT NO.	DATE	SUBJECT
1-89	12/31/88	P-2C Manual Trip
Addendum 2-89	1-3-89	Addendum to UOR 2-89
2-89	1/2/89	CTMT Hatch Check Interval
3-89	1/3/89	Fuse Blown in 1R/2R Control Circuit
4-89	1/4/89	Failed Thrust Bearing Thermocouple
5-89	1/9/89	D/G-1A Fire Suppression Sys. Actuation
6-89	1/9-1/10/89	Loss of MCB Alarm for "Loss of 480V to Battery Charger" (1-5)
8-89	1/10/89	Condensate Overboard Valve (CD-101) Failure
7-89	1/10/89	Plant Trip - Loss of EHC System Control Power
9-89	1/12/89	Pwr. Reduction to Withdraw CEA's to ARO Position
10-89	1/25/89	C-5A Motor Bearing Failure (Cont. Control Air Compressor)
11-89	1/26/89	Transmission Grid Transient
12-89	2/5/89	Pressurizer Htrs Path 1 and 3 Isolated
13-89	2/7/89	Cover & Shield for D/G-1A Frequency Generator Assembly Fell Off During Monthly Surveillance
14-89	2/9/89	Computer Problem Stops CEA Motion
15-89	2/11/89	Ground Fault Disables Plant Fire Detection System
16-89	2/14/89	EQ Discrepancies Identified in Containment Penetration Bug Seals
Addendum 16-89	2/15/89	A Follow Up ENS Report to the NRC
89-17	2/16/89	Power Range N1 Level I Bistables Out of Spec High
89-18	2/17/89	DR-M-16 Auto Open Signal Locked In When RCP's Secured
19-89	2/18/89	Leakage Past Reactor Head Vent Valve

UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1989

REPORT NO.	DATE	SUBJECT
20-89	2/19/89	LEAKAGE IDENT. ON RH-M-1
21-89	2/20/89	ACCOUSTICAL POSITION INDICATOR FOR PORV PR-3-15
22-89	2/22/89	S/G #3 MAIN FEED REG. VALVE FAILURE (FW-E-307)
Addendum 22-89	2/22/89	Same Title As Above
23-89	2/25/89	480 VOLT BUS GROUND ON BUS 7
24-89	2/26/89	LOOSE NUTS AND PLATES ON STEAM BUILDING REACH RODS FLOOR PENETRATIONS
25-89	3/1/89	SERVICE AIR HEADER PRESSURE TRANSIENT
26-89	3/10/89	P-2C LOW SUCTION PRESSURE TRANSIENT
27-89	3/13/89	S/G #2 PRESS. SIGMA CH. A PEGGED HIGH
28-89	3/13/89	ELECTRICAL GRID TRANSIENT
29-89	3/14/89	C&DM COOLING FAN #1 FAILURE
30-89	3/27/89	FIRE PROTECTION SYS. VALVES NOT VERIFIED BY SURVEILLANCE, REV. 1
31-89	3/29/89	FIRE System Valves NOT CYCLED IN ACCORDANCE WITH TECH SPEC. 4.12F
32-89	4/1/89	LOW PRESSURE AIR. DRAIN SYSTEM OSC. DUE TO E-15A NCV FAILURE
33-89	4/5/89	Plant trip - GENERATOR PROTECTIVE RELAYING ACTUATED CAUSING A LOSS OF LOAD (Filed in Mid Date File)
34-89	4/5/89	DG-1A FUEL OIL DAY TANK OVERFILLED
35-89	4/6/89	OIL SHEEN DETECTED ON THE BARK RIVER
36-89	4/14/89	LOW TM/LP SETPOINT ON RPS CH. 'C' Signal
37-89	4/19/89	DR-A-6 (CT VALVE) INOPERABLE
38-89	4/29/89	P-26A START FAILURE FOLL "A" WATERBOX BACKWASH
39-89	5/11/89	LOW TM/LP SETPOINT ON CH. "C"

UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1989

REPORT NO.	DATE	SUBJECT
89-40	5/17/89	LOW TM/LP SETPOINT ON CH. "C"
89-41	5/17/89	#3 SIT IN LEAKAGE
89-42	5/24/89	RED PANALARM (SS-5-9) 4 KV BUS BUS 5/6 LOW VOLTAGE ACTUATION)
89-43	5/26/89	PIS APD INOPERABLE
89-44	5/28/89	FAILURE OF CONTROL AIR COMPRESSOR C-1C
89-45	5/28/89	FAILURE OF ALL CALL PAGER SYSTEM
89-46	5/30/89	P-62A SUCTION PRESSURE GUAGE AND PRESSURE SWITCH ISOLATED
89-047	6/1/89	NRC NOTIFIED DUE TO DEFICIENCY IN SECURITY DOOR #1304
89-048	6/2/89	CIRC H2O BOX OF DCROSTIC VALVES (CW-M-10) FOUND SHUT DURING BACKWASH OF D BOX
89-49	6/8/89	ACTIVITY IN THE TURBINE HALL SUMP
89-50	6/9/89	SHIPPING CONTAINER ARRIVED ONSITE WITH RAD. LEVELS ABOVE DOT REQUIREMENTS
89-51	6/10/89	S/G #2 LEVEL AND P-EC GOVERNOR VALVE OSCILLATIONS
89-52	6/16/89	Con't. #2 FD Reg. Valve Oscillations
89-53	6/19/89	Red Panalarm (SS-5-9) 4 KV BUS 5/6 LOW VOLTAGE ACTUATION
89-54	6/23/89	RED PANALARM (SS-5-9) 4KV BUS 5/6 LOW VOLTAGE ACTUATION
89-55	7/2/89	REPORT OF PEAS SIREN ACTIVATION AT BOOTHBAY
89-56	7/3/89	FALSE ACTIVATION OF THE PEAS SIRENS
89-57	7/7/89	CHANNEL D H. INDICATED DT POWER
89-58	7/7/89	KG-1 INOPERABLE DUE TO LOW QUENCH GAS PRESSURE
89-59	7/8/89	LIMIT SWITCH FAILURE DURING TURBINE VALVE TESTING
89-60	7/11/89	FAILURE OF ABT FOR LSI-M-11 TO TRANSFER TO NORMAL DURING SURVEILLANCE

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UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1989

REPORT NO.	DATE	SUBJECT
89-61	7/12/89	115 KV CAPACITOR BANK MODE SELECTOR SWITCH (KC-1) NOT IN AUTO
89-62	7/12/89	EDG 1B DECLARED INOPERABLE DUE TO BROKEN DAY TANK SUPPLY FILTER (FL-30B)
89-63	7/14/89	Comp. ALARM 115KV CAPCVT & CAPACITOR BANK OPERATION
89-64	7/20/89	LOSS OF #1 CEDM COOLING FAN
89-65	7/25/89	SECURITY TAMPERING INCIDENT
89-66	7/28/89	P-145 FAILED TO START + Addendum
89-67	7/31/89	LUBE OIL LEAK INTO SPRING PACK FOR SEC-M-105 VALVE ACTUATOR
89-68 + addendum	8/1/89	CONTAINMENT CONTROL AIR HEADER LEAK
89-69	8/2/89	EMERGENCY DIESEL GENERATOR GOVENOR FAILURE
89-70	8/3/89	CCA # 62 DROPPED DURING CEA EXERCISING
89-71	8/3/89	LIMIT SWITCH PROBLEM DURING TURBINE VLV. TESTING
89-72	8/11/89	4KV BUS 5/BUS 6 LOW VOLTAGE ALARM
89-73	8/15/89	DC BUS GROUND DURING COMP TESTING OF KC-1 RELAYS
89-74	8/21/89	TK-109 OVERFLOW DURING RESIN TRANSFER
89-75	8/22/89	OVERFLOW OF SEWAGE INTO STORM DRAIN
89-76	8/23/89	Comp. SECURITY MEASURES INADVERTENTLY MISSED
89-77	8/24/89	P-25C Low Lube Oil Pressure
Addendum 89-77	8/28/89	Addendum TO UDR 89-077
89-78	9/1/89	#2 Main feed reg. valve failure.
89-79	9/1/89	High Sym. offset delays Por. Ascension
89-80	9/5/89	Leakage by HPSI Header stop MOV's + Addendum

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UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1989

REPORT NO.	DATE	SUBJECT
89-81	9/6/89	345 KV breakers to Maxcy's Station tripped
89-82	9/6/89	INADVERTANT OVERFILL OF WELL POINT TANKER
89-83	9/7/89	CMP Bomb Threat
89-84	9/8/89	P-14B INOPERABLE
89-85	9/13/89	SCC-M-165 DEGRADED DUE TO GREASE IN VALVE ACTUATOR SPRING PACK
89-86	9/14/89	FAILURE OF RPS AB MATRIX DURING TESTING
89-87	9/15/89	EFW & AFW LKD VLV CK MTHLY SURV INTERVAL EXCEEDED
89-88	9/25/89	1 GAL SLIGHTLY CONTAMINATED LIQUID DUMPED INTO WATER TREATMENT SUMP
89-89	9/28/89	STEAM & FEED FLOW THERMAL POWER INDICATION MISMATCH ON THE PLANT COMPUTER
89-90	10/6/89	P-14A (CHARGING HPSI) LOW PUMP OIL PRESSURE
Addendum 89-90	10/8/89	P-14A Oil pump Relief Valve Stuck again
89-91	10/8/89	UNLOCKED DOOR FOR LOW LEVEL WASTE STORAGE BLDG.
89-92	10/10/89	PLANT SHUTDOWN DUE TO FAILURE OF LEAKAGE TEST ON CONTAINMENT PURGE INLET PENETRATION
89-93	10/10/89	FAILURE OF KG1/375 TO OPEN
89-94	10/12/89	INDUSTRIAL SAFETY ACCIDENT IN A RAD CONTROL TENT
89-95	10/11/89	SCC-M-165, UNABLE TO OPEN FROM MCB
89-96	10/14/89	CS-A-55 & 56 LEAK BY TO CONTAINMENT SUMP DURING SAFEGUARDS VALVE TESTING
89-97	10/15/89	LOSS OF PRESSURIZER LEVEL DUE TO LEAKAGE BY RH-7 DURING RHR SHUTDOWN
89-98	10/16/89	MAINT. PERFORMED ON VALVE PR-A-1 WHEN PR-A-2 WAS TAGGED VALVE TO BE WORKED
89-99	10/16/89	NN3 FLANGE ON DWST SAFETY CLASS 3 PIPING

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UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1989
BOOK 2 of 2

REPORT NO.	DATE	SUBJECT
89-100	10/16/89	5.3% Oxy IN WASTE GAS DECAY DRUM (TK-60C)
89-101	10/19/89	TK-109 OVERFLOW + Addendum
89-102	10/20/89	FUEL OIL SPILL FROM STORAGE TANK FOR DUST ENCLOSURE FURNACE
89-103	10/30/89	SECURITY BADGE GIVEN TO THE WRONG INDIVIDUAL
89-104	10/26/89	SHORT CIRCUIT CAUSES LOSS OF ESS DRIVE
89-105	10/29/89	COMPUTER RECEIVING OUT PULSES FROM ROD 48
89-106	10/29/89	OIL LEAKAGE INTO SPRAY BLDG.
Addendum	10/30/89	
89-107	10/30/89	DROPPED CEA #48 WHILE REMOVING MODULE POWER SWITCHES
89-108	11/8/89	RCP #1 SEAL FAILURE
89-109	11/8/89	NRC NOTIFICATION OF MEDIA BROADCAST REGARDING RCP #1 SEAL SHUTDOWN
89-110	11/10/89	PCC-MT-43 ISOLATION VALVE, PCC-39, REACH ROD NOT CONNECTED
89-111	11/2/89	WHILE SWAPPING 2HR HEAT EXCHANGERS, RCS HEAT UP & COOLDOWN RATES EXCEED TDB LIMITS
89-112	11/2/89	EXCESSIVE LEAKAGE PAST RC-M-11
89-113	11/14/89	RCS TCOLD INTERLOCK SETPOINT
89-114	11/14/89	SMALL AMOUNT OF MERCURY FOUND IN ESS OFFICE
89-115	11/14/89	A0 CONTAMINATED IN CONTAINMENT
89-116	11/17/89	MANUAL OPERATION OF T-1H WITH KG-1 & KG-1375 CLOSED
89-117	11/19/89	UNCOMPENSATED AND UNACCOUNTED FOR AREA KEYS (SECURITY VITAL)
89-118	11/24/89	FLARES FIRED ONTO PLANT PROPERTY
89-119	11/25/89	4KV BUS 5B1 LOW VOLTAGE ALARM RECEIVED

UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1989

REPORT NO.	DATE	SUBJECT
89-120	11/29/89	HPSI SUCTION Cb. SAMPLE LOOP FOR TRAIN B
89-121	12/2/89	FALSE PEAS SIREN
89-122	12/3/89	FAILURE OF PRESSURE RELIEF VALVE MO-S-3168 ON THE P-62B SUCTION UNIT
89-123	12/4/89	PROBLEMS DURING CEA EXERCISES
89-123	12/4/89	CEA #9 UPPER ELECTRICAL LIMIT DID NOT CLEAR DURING CEA EXERCISES
89-125	12/11/89	INADVERTANT ACTUATION OF THE LSH BUILDING DRY PIPE SPRINKLER SYSTEM
89-126	12/11/89	[illegible]
89-127	12/14/89	[illegible]
89-128	[illegible]	[illegible]
89-129	12/19/89	Public Call-Ins of PEA's Actuation in West Bath - W. Bath Fire Chief Testing Siren
89-130	12/20/89	GENERATOR CONDITION MONITOR ALARM Subsequent to Removing P-51 from Service
89-131	12/21/89	Emergency Battery 2 in Condition Outside Design Basis
89-124	12/7/89	AIR EJECTOR/CONDENSER PROBLEMS
Addendum 89-132	12/27/89	Addendum to UOR 89-132
89-132	12/22/89	ENS PHONES NOT ON UNINTERRUPTED POWER SUPPLY (UPS) DURING A STATION BLACKOUT
89-133	12/22/89	POTENTIAL LOSS OF COOLING FLOW TO GENERATOR LEADS BUSHING

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UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1990

REPORT NO.	DATE	SUBJECT
90-001	12/29/89	CONT. SPRAY BLDG. VENT. IMPROPER ALIGNMENT
90-002	1/4/90	CEA 34 Dropped During Replacement of Failed CEDS Power Supply
90-003	1/11/90	Unplanned Release of Liquid Waste from "A" test Tank Having Elevated Release at "B" Test Tank
90-004	1/12/90	Reactor trip Breaker failure
90-005	1/15/90	Condenser Vacuum transient
90-006	1/15/90	Plt. Shutdown to Repair SCC-A-460 to meet stroke time req.
90-007	1/15/90	Hazardous Waste Spill
90-008	1/17/90	High Activity in PCC System
90-009	1/24/90	Uncompensated degredation in a security system
90-010	1/28/90	Repair of false Fire Alarm
90-011	1/31/90	CEA #49 DRO P during power supply testing (2 copies)
90-012	2/7/90	Steam leak on E-11A Heater drain line.
90-013	2/7/90	NRC notification due to Failure of EQ Component Limit Switch for PS-A-20 (Primary Sample B)
90-014	2/8/90	ES-19 Rockshaft Bound (nonreturn valve B for B First Point Heater)
90-015	2-19-90	Improperly Marked and/or Control of Safeguards Information
90-016	02-21-90	Security computer failure
90-016	02-22-90	Addendum to 90-016 - recommendations for corrective actions
90-017	02-26-90	HD-A-353 Packing blown out during maintenance on Actuator
90-018	02-28-90	Sim. computer rm. environmental control unit + humidifier drain

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UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1990

REPORT NO.	DATE	SUBJECT
90-019	3-1-90	Tagged valve removed from isolated system (MLO Cooler E-7A)
90-020	3-7-90	Gas leak in PAB
90-021	3-10-90	Security Computer Failure
90-022	3-11-90	Failure of Staff Bldg. Cooling Tower
90-023	3/12/90	Damage to Water Treatment System Piping
90-024	3/12/90	Missing Check for Deron Room Area Detector (CR-6166)
90-025	3/19/90	High Condensate Chlorides
90-026	3/13/90	Comsip Sample Station Debris Cover
90-027	3/22/90	Mn conductivity Alarm
90-028	3/23/90	Electrical Shock Hazard
90-029	3/22/90	Actuation of DG Air Start System ~~SV~~ Safety Valve
90-030	3/23/90	Mercury Spill in I+C Shop
90-031	3/23/90	Injury Due to Wind Forcing Trailer Door Shut
90-032	3/23/90	Discovery of Controlled Substance at Plant Personnel Access Security Station
90-033	3/27/90	RCS Leakage Greater than 1.0 GPM
90-034	3/29/90	"A" TT Release of Liquid Waste RMS out of service
90-035	4/2/90	Resin Spill while Re ov. 3. Resin from TK-7
90-036	4/5/90	Local Waste Gas RMS meter Found Disconnected
90-037	4/5/90	Potential EG problem with PPS "B" Train Transmitter
90-037	4/6/90	Addendum to UOR 90-037
90-038	4/7/90	Transient during Turbine Overspeed Test

UNUSUAL OCCURRENCE REPORT LOG

EAR: 1990

REPORT NO.	DATE	SUBJECT
90-039	4/7/90	Possible Wiring Discrepancy with Pressurizer Pressure Controllers
90-040	4/8/90	Outer Personnel Hatch Inoperable
90-041	4/8/90	Leakage Past P-12A Discharge Check Valve
90-042	4/7/90	Snubber CH-HSS-601 Failed Surveillance
90043	4/7/90	#1 RCP Seal Failure and Leakage
90-044	4/10/90	Radioactive shipment left Site without proper Paperwork
90-045	4/9/90	Unacceptable Degradation at Security Access for Valve House
90-046	4/11/90	Improper Lead Determinated
90-047	4/14/90	Inadvertent Actuation MSIVs while swapping Vital MC Buses
90-048	4/15/90	Sudden Increase in Indicated Reactor Vessel Level
90-049	4/16/90	Failed ECCS Operational Pump Flow Surveillance
90-050	4/18/90	Inadvertent Actuation of RAS while Testing
90-051	4/18/90	Small SCC Hazardous Waste Spill
90-052	4/18/90	Staff Building Feeder Breaker Problem
90-053	4/19/90	Drive Motor for MS-M-101 Burned
90-054	4/21/90	CS-M-2 Faile 10CFR-50 Appendix J Testing
90-055	4/22/90	Fuel Assembly M-17 Pulled out of Sequence
90-056	4/23/90	"For Cause" Testing not by Procedure
90-057	Cancelled	
90-058	4/25/90	CS-M-1 Motor Damage due to Torque Switch Failure
90-059	4/27/90	RWST Drain to PAB Sump while clearing Charging System Tags

UNUSUAL OCCURRENCE REPORT LOG

EAR: 1990

REPORT NO.	DATE	SUBJECT
90-060	4/27/90	Charging Pump P-14B Suction Blockage
90-061	4/16/90	DR-A-6 Limit Switch missing EQ Seal
90-062	4/02/90	S/G #3 Wet Layup Recirculation Spill
90-063	5/4/90	Fire Main Hose Station Isolation
90-064	5/4/90	Personnel Contaminated While Removing Bonnet from LCV-32
90-065	5/5/90	Improper Maintenance Activity on RH-M-2
90-066	5/9/90	Improper 4160/480 Vdt Breaker Tagging
90-067	5/10/90	PR-M-17 Motor Operator Damage
90-068	5/15/90	Delivery of Fuel Oil for P-5 without Chemistry Testing
90-069	5/16/90	Momentary Loss of Power to MCC 9A
90-070	5/16/90	Miswiring of SL-M-29 and SL-M-40
90-071	5/21/90	Bomb Threat
90-072	5/24/90	Uncompensated Loss of Security Access Control
90-073	5/31/90	High Domestic Water Pit
90-074	6/2/90	DG 1B HCB Closure Timing Deficiency During Loss of AC Test
90-075	6/4/90	P-5 Failure During Surveillance Testing
90-076	6/4/90	Loss of Pressurizer Level Control During Reactor Vent and Fill Operation
90-077	6/6/90	Missing Seismic connection Bolts on the I&C Seal Table
90-078	6/7/90	Stuck Rod #53
90-079	6/12/90	Liquid Nitrogen Spill
90-080	6/17/90	Fuel Assembly Removed from Incorrect Core Location

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UNUSUAL OCCURRENCE REPORT LOG

EAR: 1990

REPORT NO.	DATE	SUBJECT
90-091	6/20/90	Valve Stem Anti-Rotation shaft Key for HSI-M-41 Found Rotten
90-092	6/19/90	Discovery of Teflon Tape on EQ Transmitter Plugs in the Spray Building
90-093	6/21/90	Stem Extension on CD-701 Found Bent
90-094	6/23/90	Lightning Strike.
90-095	6/27/90	RCS Leak at LT-1044 Sightglass due to Misvalving During Functional Testing
90-096	6/27/90	Blocking Device Left in Spring Hanger after Removal of Lead Shielding
90-097	6/27/90	Incorrect RCS Sample Results Due to Improper Sample System Lineup
90-098	6/25/90	Inoperable Proportional Heaters
90-099	6/25/90	RCS Leakage Past PR-S-13 + Addendum
90-090	7/2/90	Main Generator Voltage Regulator Anomoly Added
90-091	7/3/90	EHC System Power Supply Failures
90-092	7/4/90	Lightning Strike Causes Breaker Trip
90-093	7/5/90	Oil Leak From X-1B
90-094	7/18/90	Cable Tray Smoke Detector Fired for CTMT (20th Level)
90-095	7/31/90	Caustic Splashed Into Workers Eye
90-096	7/24/90	Electrical Storms Cause breakers to open in 345 yard
90-097	7/25/90	Mispositioned Switch in Channel "D" Dual Linear Drawer
90-098	7/31/90	Inadvertent gas release from Maint. of Waste gas comp after-cooler
90-099	8/3/90	Governor Valve Oscillations During Power Reduction (LCV-392)
90-100	8/3/90	RPS Channel Trip Concurrent w/ Zone 45 Smoke Detector Alarm

UNUSUAL OCCURRENCE REPORT LOG

EAR: 1990

REPORT NO.	DATE	SUBJECT
90-101	8/01/90	False Pegs Activation
90-102	8/02/90	P-2A Trip on Overcurrent
90-103	8/4/90	Bearing #5 High Temperature
90-104	8/5/90	P-62A Trip
90-105	8/6/90	Radioactive Source Leak Test Not Performed
90-106	8/8/90	Broken Shaft key on HSI-M-412
90-107	8/10/90	Increased RCS Activity + Addendum
90-108	8/13/90	Unexpected RCS Leakage Past HSI-5-47
90-109	8/14/90	"A" BWST Diked Area Drain Valve found cracked open
90-110	8/14/90	Unusual Event Declared Due to RCS System Leak
90-111	8/14/90	Letdown Valve LD-M-3 Failure to Open
90-112	8/16/90	PVS RMS Inoperable, Entry into Remedial Action
90-113	8/21/90	FFD ISSUE
90-114	8/20/90	Turbine Control Anomaly Causes Power Transient
90-115	8/21/90	Misaligned Control Rod During CEA Exercises
90-116	8/23/90	PVS Gas Release in Excess of Announced Level
90-117	8/23/90	NRC Notification of Release in Excess of Previously Announced Values
90-118	8/24/90	Appendix R Requirements for Fire Doors, Not Met.
90-119	8/29/90	Non-credible Threat Letter
90-120	8/30/90	P-10A Discharge Valve Found Mispositioned
90-121	9/06/90	Unintentional Entry Into Remedial Action due to Failure of Ctmt. Integrity Valve MS-A-162

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UNUSUAL OCCURRENCE REPORT LOG

EAR: 1990

REPORT NO.	DATE	SUBJECT
90-122	9/13/90	Unaccounted for Security Keys
90-123	9/17/90	Gaseous Release to PAB While Burping VCT
——	——	due to Leak in the Waste Gas System.
90-124	9/19/90	SCAT tank leak in Line to LT 3201
90-125	9/25/90	DC Bus #3 Ground During Reactor
—	—	Trip Breaker Testing

UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1990

REPORT NO.	DATE	SUBJECT
90-126	9/25/90	SNAP RINGS FOUND IN BOTTOM OF RTB CUBICLE
90-127	9/27/90	IMPROPER 345 KV SWITCHING SEQUENCE
90-128	9/29/90	SECURITY KEY NOT RETURNED FOLLOWING USE
90-129	9/30/90	PLANT SHUTDOWN DUE TO LOW TURBINE MAIN LUBE OIL PUMP DISCHARGE PRESSURE
90-130	10/01/90	ROD DROPS DURING REACTOR SHUTDOWN
90-131	10/09/90	FAILURE OF SCAT PRIMARY WATER FILL LINE
90-132	10/09/90	HIGH RAD (T.S. 5.12) DOOR FOUND UNLATCHED
90-133	10/10/90	HIGHER THAN PREDICTED GROUND SPEED MEASURED DURING ON SITE BLASTING
90-134	10/11/90	CONDENSATE PUMP AUTOSTART
90-135	10/16/90	MISALIGNED CEA DURING CEA EXERCISES
90-136	10/16/90	UNANNOUNCED LIQUID RELEASE - BWST DIKED AREA
90-137	10/17/90	CONTAINMENT ISOLATION VALVE PD-A-122 DECLARED INOPERABLE
90-138	10/17/90	DC BUS 1 & 3 GROUNDS DUE TO CMP TESTING OF K207-1
90-139	10/17/90	ENS NOTIFICATION OF EQ LIMIT SWITCH FAILURE
90-140	10/17/90	LOCKED HIGH RAD DOOR ACCESSIBLE WITHOUT KEY
90-141	10/19/90	PLANT SHUTDOWN FOR GENERIC EQ REPAIRS
90-142	10/20/90	RPS CHANNEL "D" REACTOR COOLANT LOW FAILED TO DEVELOP A TRIP
90-143	10/20/90	ENGINEERED SAFEGUARDS FEATURE LIGHT BOX MALFUNCTION
90-144	10/23/90	MAINE STATE POLICE (MSP) HOTLINE OUT OF SERVICE
90-145	10/26/90	P-14B DECLARED INOPERABLE
90-146	10/30/90	DG-1A OVERSPEED TRIP OCCURRED DURING TESTING + Addendum
90-147	11/01/90	FEEDWATER TEMPERATURE RTD AFFECTS CALORIMETRIC POWER INDICATION

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UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1990

REPORT NO.	DATE	SUBJECT
90-148	11/20/90	#4 GOVERNOR VALVE RAMPED OPEN & ADDENDUM
90-149	11/22/90	DG-1B SPELD LOWER THAN EXPECTED WHEN FIELD WAS FLASHED ON LOCAL START
90-150	11/11/90	DIESEL FIREPUMP P-5 INOPERABLE DUE TO GENERATOR FAILURE
90-151	11/24/90	FAILURE OF #3 MAIN STEAM STOP VALVE TO REOPEN DURING TURBINE VALVE TESTING
90-152	11/26/90	DOMESTIC WATER TANK HIGH Ph
90-153	11/27/90	REACTOR TRIP BREAKER FAILS TO RECLOSE DURING SURVEILLANCE TESTING
90-154	12/01/90	P-14B AUTOSTART WITHOUT APPARENT REASON AND WITHOUT ANY ALARMS
90-155	12/02/90	FAILURE OF PT-102Y
90-156	12/04/90	RTB UV ARMATURE OUT OF POSITION AND SNAP RING FAILURE
90-157	12/04/90	#4 GOVERNOR VALVE STARTED TO SHUT BY ITSELF + Addendum
90-158	12/05/90	HPSI Suction Low Boron Concentration
90-159	12/06/90	Control Room Ventilation "B" Train Damper Failure
90-160	12/10/90	DG-2 Fails to Start and Run
90-161	12/11/90	NRC ENS Phone Found out of Service
90-162	12/16/90	High PVS Activity Discovered during Daily Grab Sample
90-163	12/17/90	Plant Shutdown Due to Steam Gen. Tube Leak
90-164	12/19/90	Gaseous Release for 12/18 to 12/19 Exceeded the
~~90-~~	"	Previously Announced Value.

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UNUSUAL OCCURRENCE REPORT LOG

YEAR: 1990

REPORT NO.	DATE	SUBJECT
90-165	12/19/90	NRC Notification of a Planned Protest
90-166	12/19/90	Pressurizer Level Decrease due to
~~90-~~	"	Improper Lineup when Aligning P-12B as the
~~90-~~	"	Standby RHR Pump.
90-167	12/17/90	LPSI Loop 3 Flow Transmitter improperly
90-167	"	Valved into service.
90-168	12/22/90	Loss of Control Power for #1 RMS cabinet
90-169	12/27/90	Worker collapses while working at Steam
90-169	"	Generator #1 Platform
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UOR Search

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64
f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-080
DIR_OEDB:[000000.1995]95-080.WP;1
1. TITLE: Radiological Spill in the CS Building 2. NUMBER: 95-080 3. TIME/DATE OF EVENT: 1100 / October 18,1995 4. PLANT CONDITIONS: REACTOR POWER : 0% PLANT TRIP? N OPERATING CONDITION (1-7): 1 5. DESCRIPTION OF OCCURRENCE: 10/17/95 Operations li
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64
f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-080
DIR_OEDB:[000000.1995]95-080.WP;1
6. OEDB SEARCH: KEY WORD: HITS: SIMILAR EVENTS: 1. SPILL-DRAIN 13 1 , UOR 91-100 VALVE 7. REPORTABILITY DETERMINATION: REPORTING CRITERIA; SHORT TERM PROC. 1-26-1; EMERGENCY PLAN PROC. 2.50.0; LER (EXPLAIN). There was no equipment in the CS buildi
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64
f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-088
DIR_OEDB:[000000.1995]95-088.WP;1
TING CRITERIA; SHORT TERM PROC. 1-26-1; EMERGENCY PLAN PROC. 2.50.0; LER (EXPLAIN). Both RHR trains remain operable. The spill did not result in inaccessible areas needed for operation of the plant. The design limits of 450 cc/hr, based on the FSA
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64
f:/Operational events (OEDB)/Operational events (OEDB)/1996/96-001
DIR_OEDB:[000000.1996]96-001.PTE;1
1. TITLE: ASBESTOS SPILL IN CONTAINMENT 2. NUMBER: 96-001 4. PLANT CONDITIONS: 3. TIME/DATE OF EVENT: 0320/1-1-96 REACTOR POWER : 0% PLANT TRIP? N OPERATING CONDITION (1-7): 1 5. DESCRIPTION OF OCCURRENCE: 0320-Control room notified by maintenanc
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64
f:/Operational events (OEDB)/Operational events (OEDB)/1996/96-034
DIR_OEDB:[000000.1996]96-034.PRW;1
OPERATIONS DEPARTMENT UNUSUAL OCCURENCE REPORT 1. TITLE: Oil Spill at Fire Training Site 2. NUMBER: 96-034 4. PLANT CONDITIONS: 3. TIME/DATE OF EVENT: 1340/5-2-96 REACTOR POWER :90% PLANT TRIP? N OPERATING CONDITION (1-7):7 5. DESCRIPTION OF OCCUR
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64
f:/Operational events (OEDB)/Operational events (OEDB)/1996/96-081
DIR_OEDB:[000000.1996]96-081.WEJ;1
e. 0855 BD Tank Level alarm. AO observes BD tank pressure less than zero. 0858 Hotwell Low Level alarm. AO sent to check spill valve. 0859 Condenser B Hotwell Temperature alarm(PTID 291). Entered AOP 2-2, Degraded or Loss of Condenser Vacuum. Temp
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64
f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-093
DIR_oedb:[000000.1995]95-093.WP;1
NPOs to stop the turbine hall sump pump and dam the floor drains. The Hazardous Waste Coordinator was notified about the spill. The Hazardous Waste Coordinator assisted the Plant Services department with cleaning up the oil (which was determined t
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64
f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-093
DIR_oedb:[000000.1995]95-093.WP;1
RIA; SHORT TERM PROC. 1-26-1; EMERGENCY PLAN PROC. 2.50.0; LER (EXPLAIN). Not reportable IAW 1-26-1 and the Maine Yankee Spill Plan since the oil spill was contained by the turbine hall sump. The oil is non-hazardous. 8. FITNESS FOR DUTY: 8.1 FITN
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f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-096
DIR_oedb:[000000.1995]95-096.WP;1
6. OEDB SEARCH: KEY WORD: | HITS: SIMILAR EVENTS: | 1. Spill 63 UOR 90-062 and others described wet lay-up spills associated with #3 S/G. 2. S/G Fill 3 3 similar events including UOR 90-062 describe spills associated with wet lay-up. 7. REPORTABIL
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f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-097
DIR_oedb:[000000.1995]95-097.JPW;1
1. TITLE: Hydraulic Oil Spill 2. NUMBER: 95-097 4. PLANT CONDITIONS: 3. TIME/DATE OF EVENT: 1059 12/8/95 REACTOR POWER : 0% PLANT TRIP? N OPERATING CONDITION (1-7):1 5. DESCRIPTION OF OCCURRENCE: 1059 - Security notified Hazardous Waste Coordinato
11
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64
f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-097
DIR_oedb:[000000.1995]95-097.JPW;1
6. OEDB SEARCH: KEY WORD: | HITS: SIMILAR EVENTS: 1. Oil Spill 27 17 events resulted in oil released to the environment (ground or river). 7. REPORTABILITY DETERMINATION: REPORTING CRITERIA; SHORT TERM PROC. 1-26-1; EMERGENCY PLAN PROC. 2.50.0; LE
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64
f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-097
DIR_oedb:[000000.1995]95-097.JPW;1
ected transient, significant operator error, or equipment malfunction.(CRS-1) NO. DEPARTMENT ACTION ITEM 1. Tech Monitor spill site for future leaching of oil and remediation of soil. 2. Licensing Clarify the Spill Plan to define the ground as inc
13
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64
f:/Operational events (OEDB)/Operational events (OEDB)/1996/96-063
DIR_oedb:[000000.1996]96-063.PTE;1
onse to the containment accident environment and, in the worst case, rupture the piping. PCC system inventory would then spill into containment and render the system inoperable. 1940 After discussion with engineering and management personnel, the
14
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64
f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-036 thru 95-049
dir_oedb:[1988expo]OEDB2.;1
SHEEN TO BE THE E STORM DRAIN OUTFALL ON THE NORTH SIDE OF THE CIRC WATER PUMPHOUSE. PLANT SERVICES WAS NOTIFIED AND THE SPILL TEAM RESPONDED. LEAVES IN THE STORM DRAIN OUTLET APPEARED TO BE BLOCKING AND FILTERING THE OIL. 1215 ABSORBENT PADS PLAC

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64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
NCE: RWST siphon heater flange on west side of RWST developed a leak similar to previous leak (refer to U.O.R. #159-87). Spill was contained and contamination was removed. Leak Repair Co. was contacted to repair leak. E-PLAN LEVEL ENS: n (Y/N) 7.
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f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: Caustic spill in water treatment area CAUSTIC SPILL IN WATER TREATMENT AREA 2. OEDB #: 457 UOR #: 016-87 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 1315/02/25/87 A
17
83
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: SCC spill during valve repair work at generator seal oil coolers due to inadequate system draining SCC SPILL AT SEAL OIL UNIT DUE TO INADEQUATE DRAINING 2. OEDB #: 482 UOR #
18
96
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: Overflowed Upender Pit resulting in spill to ICI sump OVERFLOWED UPENDER PIT TO ICI SUMP 2. OEDB #: 499 UOR #: 058-87 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 04
19
97
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1

UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: Chromated water spill from Tanker CHROMATED WATER SPILL 2. OEDB #: 500 UOR #: 059-87 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 0440/05/11/87 ADDENDUM DATE 4. PLAN
20
154
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: Oil spill into CW discharge forebay (L10gal) SMALL (<10 GAL) OIL SPILL INTO CW DISCHARGE FOREBAY 2. OEDB #: 559 UOR #: 119-87 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF E
21
219
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
notified control room of overflow at tanker being filled from E-3A. E-3A drain was secured. About 50 gallons of the PCC spill soaked into the ground by the fuel oil storage bunker.However, the hazardous waste coordinator indicated that the spill w
22
316
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
parently the normal capacity makeup valve failed partly open and caused an increase in condenser level, which caused the spill valve to open and drop P-2C suction pressure. E-PLAN LEVEL ENS: n (Y/N) 7. REPORTABILITY DETERMINATION: REPORTING CRITER
23
365
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
OCCURENCE: Operators found that approximately 25 to 30 gallons of water had spilled from the filter cover of TK-109. The spill was contained in the RCA storage area and cleaned up. TK-109 overfilled because the high level cutout valve, WSS-A-28, d
24
698
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported

from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: Worker falls and cuts leg. LIQUID SPILL IN SPRAY BUILDING 2. OEDB #: 701 UOR #: 92-88 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 1430/10/22/88 ADDENDUM DATE 4. PLA
25
705
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
were able to retighten the union. The workers immediately notified their supervisors who notified the control room. The spill was wiped up and work stopped pending full drain of the SCC system. SCC-2-246 relieves to the SCC return header. At the t
26
707
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
cupied approximately 500 square feet. The Hazardous Waste Coordinator decided that becuase of the area involved, the oil spill should be reported to the Maine Dept. of Enviromental Protection and the US Coast Guard. These reports were made at 0930
27
721
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: SCC leak from piping outside near DWST. GENERAL NRC NOTIFICATION OF SCC SPILL 2. OEDB #: 725 UOR #: 135-88 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 1520/12/5/88 ADDENDUM DATE 4. PLANT CO
28
732
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
NT DATABASE (OEDB) 1. TITLE: Waste solvents discarded into 55 gallon drum spilled in the lube oil storage room. CHEMICAL SPILL IN LUBE OIL STORAGE ROOM 2. OEDB #: 736 UOR #: 137-88 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 2330/11/29/88
29
813

64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: Liquid spill in the spray building LIQUID SPILL IN SPRAY BUILDING 2. OEDB #: 816 UOR #: 091-88 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 1415/10/21/88 ADDENDUM DA
30
866
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
on the roof of the building through the tank vent. Oil was cleaned up in both areas. Absorbant pads were placed over the spill area on the roof because some of the fuel oil was absorbed into the roofing material. E-PLAN LEVEL ENS: n (Y/N) 7. REPOR
31
867
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
was detected on the Back River in the vicinity of the circ water pump house. Source was believed to be from the fuel oil spill on 4/5/89. The fuel oil was leached from the roofing material and carried to the river via the storm sewer. Ref UOR 89-0
32
913
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
S: OPERATING CONDITION (1-7): 7 5. DESCRIPTION OF OCCURENCE: While shifting from CST to DWST as surge volume, condensate spill was not isolated and water treatment piping was overpressurized. The PVC piping ruptured, spilling water in the water tr
33
1122
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: Caustic Spill in Water Treatment Area 2. OEDB #: 1131 UOR #: LER #: OTHER: HPES #: PRCE #: 158 3. TIME/DATE OF EVENT: 1315/2/25/87 ADDENDUM DATE 4. PLANT CONDITIONS: OPERATI

34
1191
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: Fuel Oil Spill from Storage Tank for RWST Enclosure Furnace FUEL OIL SPILL FROM STORAGE TANK FOR RWST ENCLOSURE FURNACE 2. OEDB #: 1199 UOR #: 89-102 LER #: OTHER: HPES #: P
35
1195
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
PING WELL POINTS IN ORDER TO SAMPLE THE WELL POINTS FOR OIL. -1210 HAZARDOUS WASTE COORDINATOR NOTIFIED MAINE DEP OF OIL SPILL. -1215 HAZARDOUS WASTE COORDINATOR NOTIFIED NATIONAL RESPONSE CENTER OF OIL SPILL. THESE CALLS WERE MADE AFTER JOINT DIS
36
1203
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
d the door in PSS office. A small amount of mercury spilled onto the floor. - The mercury was cleaned up using a Mercury Spill Kit. Approximately 1 teaspoon of mercury was retrieved. - An air sample taken in the PSS office at 2130 did not show pre
37
1238
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: HAZARDOUS WASTE SPILL HAZERDOUS WASTE SPILL 2. OEDB #: 1245 UOR #: 90-007 LER #: OTHER: HPES #: n PRCE #: n 3. TIME/DATE OF EVENT: 2239/1/15/90 ADDENDUM DATE 4. PLANT CONDIT
38
1261
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1

06 Hotwell conductivity high alarm recieved in control room. "A" box conductivity rapidly increased off scale high. 1108 Spill valve isolated. Larson Lane and SLeD show increasing trend. 1125 Decision made to commence a power decrease at 15% per h
39
1266
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: Mercury Spill in I&C Shop MERCURY SPILL IN I+C SHOP 2. OEDB #: 1273 UOR #: 90-030 LER #: OTHER: HPES #: N PRCE #: 3. TIME/DATE OF EVENT: 1130/3/23/90 ADDENDUM DATE 4. PLANT
40
1273
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: RESIN SPILL WHILE REMOVING RESIN FROM TK-85 RESIN SPILL WHILE REMOVING RESIN FROM TK-85 2. OEDB #: 1280 UOR #: 90-035 LER #: OTHER: HPES #: N PRCE #: 3. TIME/DATE OF EVENT:
41
1289
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: SMALL SCC HAZARDOUS WASTE SPILL SMALL SCC HAZARDOUS WASTE SPILL 2. OEDB #: 1296 UOR #: 90-051 LER #: OTHER: HPES #: Y PRCE #: 3. TIME/DATE OF EVENT: 0230/4/18/90 ADDENDUM DA
42
1312
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: S/G #3 WET LAYUP RECIRCULATION SPILL S/G #3 WET LAYUP RECIRCULATION SPILL 2. OEDB #: 1318 UOR #: 90-062 LER #: OTHER: HPES #: N PRCE #: 3. TIME/DATE OF EVENT: 1330/5/2/90 AD
43
1360

64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: A chemical spill on the Turbine Hall floor by the condensate pumps. Appears to have spilled from the Mezzanine level and removed paint from the condensate piping. Hazardous
44
1375
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: LIQUID NITROGEN SPILL LIQUID NITROGEN SPILL 2. OEDB #: 1382 UOR #: 90-079 LER #: OTHER: HPES #: 90-010 PRCE #: 3. TIME/DATE OF EVENT: 0705/6/12/90 ADDENDUM DATE 4. PLANT CON
45
1425
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
tion spilled onto the asphalt. 1730 - The Hazardous Waste Coordinator is called to the Control Room. He was on site. The spill was NOT contaminated. None of the spill went into the storm drain. 1800 - The PSS called Mason Station (Ralph Campbell)
46
1517
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: Hazardous Waste Spill From 55 Gallon Drum Hazardous waste spill from 55 gal. drums 2. OEDB #: 1505 UOR #: 91-032 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 1840/4/
47
1520
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: SCC SPILL FROM SERVICE AIR COMPRESSOR AFTERCOOLER E-21A SCC spill from service air compresser after cooler E-21A 2. OEDB #: 1507 UOR #: 91-034 LER #:

OTHER: HPES #: PRCE #:
48
1522
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: OIL SPILL IN BOOMED AREA OF THE CIRCULATING WATER INTAKE DUE TO LEAK ON TRASH RAKE Oil spill in boomed area of circulation water intake due to leak on 2. OEDB #: 1509 UOR #:
49
1523
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
0 minutes. * Inspection of X-1A transformer indicated a major transient, resulting in cracking the side, allowing oil to spill into a drain into the Back River. Called the Coast Guard and DEP for oil spill. * All safety systems responded correctly
50
1525
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
E-PLAN LEVEL ENS: Y (Y/N) 7. REPORTABILITY DETERMINATION: REPORTING CRITERIA; SHORT TERM PROC. 1-26-1; EMERGENCY PLAN PROC. 2.50.0; LER (EXPLAIN) This oil leak was reportable IAW procedure 1-26-1 and the oil spill plan. QOD TREND CODE: 00-O211-O3
51
1566
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: SMALL (1qt) FUEL OIL SPILL DURING DG-2 TRANSFER 2. OEDB #: 1552 UOR #: 91-061 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 0900/08/14/91 ADDENDUM DATE 4. PLANT CONDI
52
1599
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database

dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: SMALL DIESEL FUEL SPILL DG-2 PIPING 2. OEDB #: 1580 UOR #: 91-092 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 1545/11/1/91 ADDENDUM DATE 4. PLANT CONDITIONS: OPERAT
53
1608
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: SMALL SPILL WHILE DECHROMATING 2. OEDB #: 1588 UOR #: 91-100 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 1100/12/16/91 ADDENDUM DATE 4. PLANT CONDITIONS: OPERATING
54
1647
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
T CONDITIONS: OPERATING CONDITION (1-7): 1 5. DESCRIPTION OF OCCURENCE: 1530 - Control Room receives report of minor oil spill at Circ Water Pumphouse from crane operations during removal of sludge from "D"-Bay. 1600 - HAZ MAT Coordinator (S. Edge
55
1657
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: HAZARDOUS SUBSTANCE SPILL 2. OEDB #: 1632 UOR #: 92-037 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 0645/03/15/92 ADDENDUM DATE 4. PLANT CONDITIONS: OPERATING CONDI
56
1671
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: SMALL (1/2 GALLON) SODIUM HYDROXIDE SPILL ON PAVEMENT. 2. OEDB #: 1646 UOR #: 92-051 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 1045/04/15/92 ADDENDUM DATE 4. PLAN
57

1673
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
ted. Approx 1 gal of SCC fluid pooled on floor. No liquid entered floor drains (Nearest floor drain was about 10 ft from spill). 1920 - Maintenance notified of leak. 1930 - PSS confirmed that SCC system fluid, though highly diluted, is still to be
58
1723
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
y the circ pump house. PSS and Hazardous Waste Specialist investigated and determined the event to be reportable IAW the spill plan. Facilities instructed to contain oil with boom and collect it with absorbent sheets. Notifications made per the sp
59
1794
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: Turbine Lube Oil Spill 2. OEDB #: 1758 UOR #: 93-038 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 1345/6/15/93 ADDENDUM DATE 4. PLANT CONDITIONS: OPERATING CONDITION
60
1822
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
oordinator in consultation with the Envirnmental Engineering Group determined that the discharge constituted a Class "A" spill. Subsequently the original cleaning instructions provided by the hazardous waste coordinator were implemented. E-PLAN LE
61
1823
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: ASBESTOS SPILL in DG-1A ROOM resulting from GRINDING on FLANGE\GASKET SURFACE 2. OEDB #: 1786 UOR #: 93-065 LER #: OTHER: HPES #:

PRCE #: 3. TIME/DATE OF EVENT: 1200/8\24\93
62
1826
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: CHROMATED WATER SPILL in DG-1A ROOM 2. OEDB #: 1789 UOR #: 93-068 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 1215/8\26\93 ADDENDUM DATE 4. PLANT CONDITIONS: OPERAT
63
1830
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
oil may have been P-26A which had oil marks on its discharge head and base. Notifications were made IAW the Maine Yankee Spill Plan. E-PLAN LEVEL ENS: Y (Y/N) 7. REPORTABILITY DETERMINATION: REPORTING CRITERIA; SHORT TERM PROC. 1-26-1; EMERGENCY P
64
1857
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
ll Level had already increased to +4" due to a pressure differential between the A and B Condensers NOTE: The Condensate Spill Valve (CD-A-87) is set to open at a level of +2" in the North (E-10B) Hotwell. Shortly thereafter the CRO received a rep
65
1860
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
RE READING ZERO). ACTIVITIES/EVENTS IN CONTROL ROOM: RECEIVED PANALARM F-1-9L (HOTWELL LEVEL LOW) SENT OPERATOR TO CHECK SPILL VALVE; FOUND SPILL VALVE SHUT, MAKE-UP VALVE OPEN. CONDENSER VACUUM DECREASING. OPERATOR CHECKED AIR EJECTOR OFFGAS FLOW
66
1919
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database

dir_oedb:[1988expo]OEDBTXT.TXT;1
maintenance on the water treatment area sump had discovered liner degradation and cracks underneath the sump floor. The spill plan was consulted. The sump area is exposed or has the potential to be exposed to a variety of caustic and acidic chemic
67
1938
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
river was estimated to be one pint. The Hazardous Material Response Team was activated and clean absorbent pads from the spill response kit were placed under the outfall. 1940- Hazardous Material Response Team on site and placed additional absorbe
68
1940
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
t materials were placed around storm sewer outlet. 0900 Notifications were made to offsite agencies IAW the Maine Yankee Spill Plan. E-PLAN LEVEL N/A ENS: Y (Y/N) 7. REPORTABILITY DETERMINATION: REPORTING CRITERIA; SHORT TERM PROC. 1-26-1; EMERGEN
69
1945
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: SMALL KEROSENE OIL SPILL 2. OEDB #: 1891 UOR #: 94-043 LER #: OTHER: HPES #: PRCE #: 3. TIME/DATE OF EVENT: 0900/06/23/94 ADDENDUM DATE 4. PLANT CONDITIONS: OPERATING CONDIT
70
1950
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
estic Water use. The Wiscasset sewage treatment plant was notified about the presence of the Hydrazine. The Maine Yankee Spill Plan was consulted and notifications were made to the proper authorities. - Additional Search Criteria: "Domestic Water"
71
1951
64

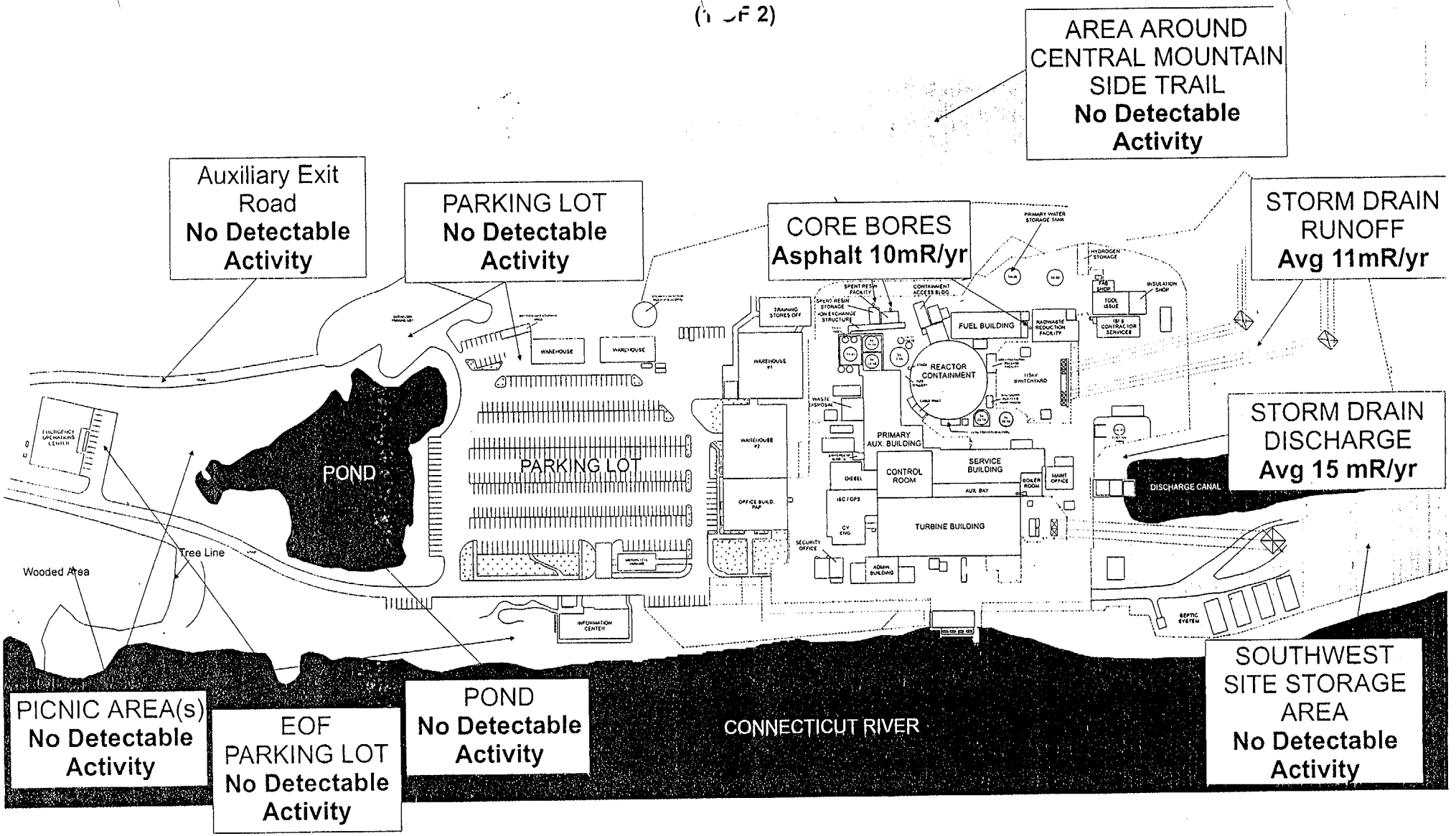
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
ATION: REPORTING CRITERIA; SHORT TERM PROC. 1-26-1; EMERGENCY PLAN PROC. 2.50.0; LER (EXPLAIN) Reportable as a class "A" spill IAW Maine Yankee Spill Plan. UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) QOD TREND CODE: 1B-M211-E2
72
1952
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
THE OIL SHEEN WITH ABSORBENT PADS. 1600 FOLLOWING DAY: NOTIFICATIONS WERE MADE TO OFFSITE AGENCIES IAW THE MAINE YANKEE SPILL PLAN. DUE TO THE EXTREMELY SMALL SIZE OF THE OIL SHEEN, IT WAS NOT IMMEDIATELY APPARENT THAT NOTIFICATION WAS REQUIRED; T
73
1986
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
N: REPORTING CRITERIA; SHORT TERM PROC. 1-26-1; EMERGENCY PLAN PROC. 2.50.0; LER (EXPLAIN) Not reportable per 1-26-1, E-Plan, LER or Spill Plan. The equipment involved is NNS and did not threaten safety class equipment. QOD TREND CODE: 1f-o340-e3
74
2004
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
en the tanks which were still in the ground. No indication of leakage was observed. Control room personnell reviewed the Spill Plan and completed the required notifications per section 2.3 - Spill Reporting. E-PLAN LEVEL ENS: Y (Y/N) 7. REPORTABIL
75
2021
64
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
handle locking bolts in order to loosen them. 1230 Notified hazardous waste coordinator to evaluate reportability of oil spill and to initiate cleanup effort. 1320 Facilities personnel initiated cleanup of oil on roof. Approximately 3 to 5 gal of
76

710
40
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
C C-S-351;SCC-S-268;SCC-S-270;SCC-S-234;SCC-162. The system was drained back to reduce leakage. Less than 2 gallons were spilled overall. E-PLAN LEVEL ENS: N (Y/N) 7. REPORTABILITY DETERMINATION: REPORTING CRITERIA; SHORT TERM PROC. 1-26-1; EMERGE
77
1392
40
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
termined that the material was not a potential problem. The oil that was collected will be stored for disposal. Some oil spilled into the bermed area surrounding the transformers. Approximately 5 gal. spilled from the transformer to the bermed are
78
2
36
f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-052
DIR_OEDB:[000000.1995]95-052.REM;1
. 2.50.0; 10 CFR 21; LER (EXPLAIN). Not reportable. CARDOX operability not affected. No personal injury involved. No oil spilled to any release pathway. Any release of R-12 to atmosphere to be accounted for by vendor and evaluated by HAZ MAT SPEC.
79
7
36
f:/Operational events (OEDB)/Operational events (OEDB)/1995 (March 26 thru December 31)/95-036 thru 95-049
dir_oedb:[1988expo]OEDB2.;1
OCATION ON LAND AT THE SOUTH SIDE OF THE CIRC WATER PUMP HOUSE. THEY DETERMINED THE SOURCE TO BE A LOCATION OF PREVIOIUS SPILLS AND ACUMULATED OIL UNDER A CRANE. THEY CONCLUDED THAT THE RAIN THAT HAD BEEN FALLING FOR MOST OF THE DAY HAD CAUSED THE
80
902
36
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
UOR DATABASE - CONVERTED FROM OPERATIONAL EVENT DATABASE (OEDB) 1. TITLE: foreign material spilled into the reactor vessel 2. OEDB #: 906 UOR #: LER #: OTHER:

HPES #: PRCE #: 1 3. TIME/DATE OF EVENT: 1700/9/18/72 ADDENDUM DATE 4. PLANT CONDITIONS:
81
1629
36
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
placement valve. Sewer pipe was pressure tested at service pressure and restored to operation at approx 1130 on 1/24/92. Spilled sewage was removed by commercial vacuum truck. At 1248, made 4-hour ENS notification call to NRC. E-PLAN LEVEL ENS: Y
82
1866
36
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
arrived at the diesel it had stopped(estimated time 4-5 minutes after executing emergency shutdown actions). All of the spilled oil was recovered. 2130 - DG-1A tagged out for gasket repair. (Cont'd) (Cont'd)(Cont'd) 2240 - Repairs completed; DG-1A
83
1910
36
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
was notified and the radiation monitors did not indicate any gaseous release. It is estimated that 5-20 gallons of fluid spilled. All of the spillage was contained by the trench system. No one in the work crew was contaminated. E-PLAN LEVEL N/A EN
84
1602
12
f:/Operational events (OEDB)/Operational events (OEDB)/1988 thru March 25, 1995 (exported from OEDB)/OEDB, as exported from Nutshell database
dir_oedb:[1988expo]OEDBTXT.TXT;1
wrate was off-scale high. The PVS APD filter paper was found stopped. When fixed and returned to service, the PVS gas RMS spiked and then stabilized at a new higher level (see graph). The oscillation had ceased and the level began trending down. F

SCOPING SURVEY STATUS

(1 OF 2)



INDICATES AREAS OF THE SITE THAT HAVE BEEN SURVEYED / SAMPLED FOR RADIOACTIVE MATERIALS - NO DETECTABLE ACTIVITY FOUND

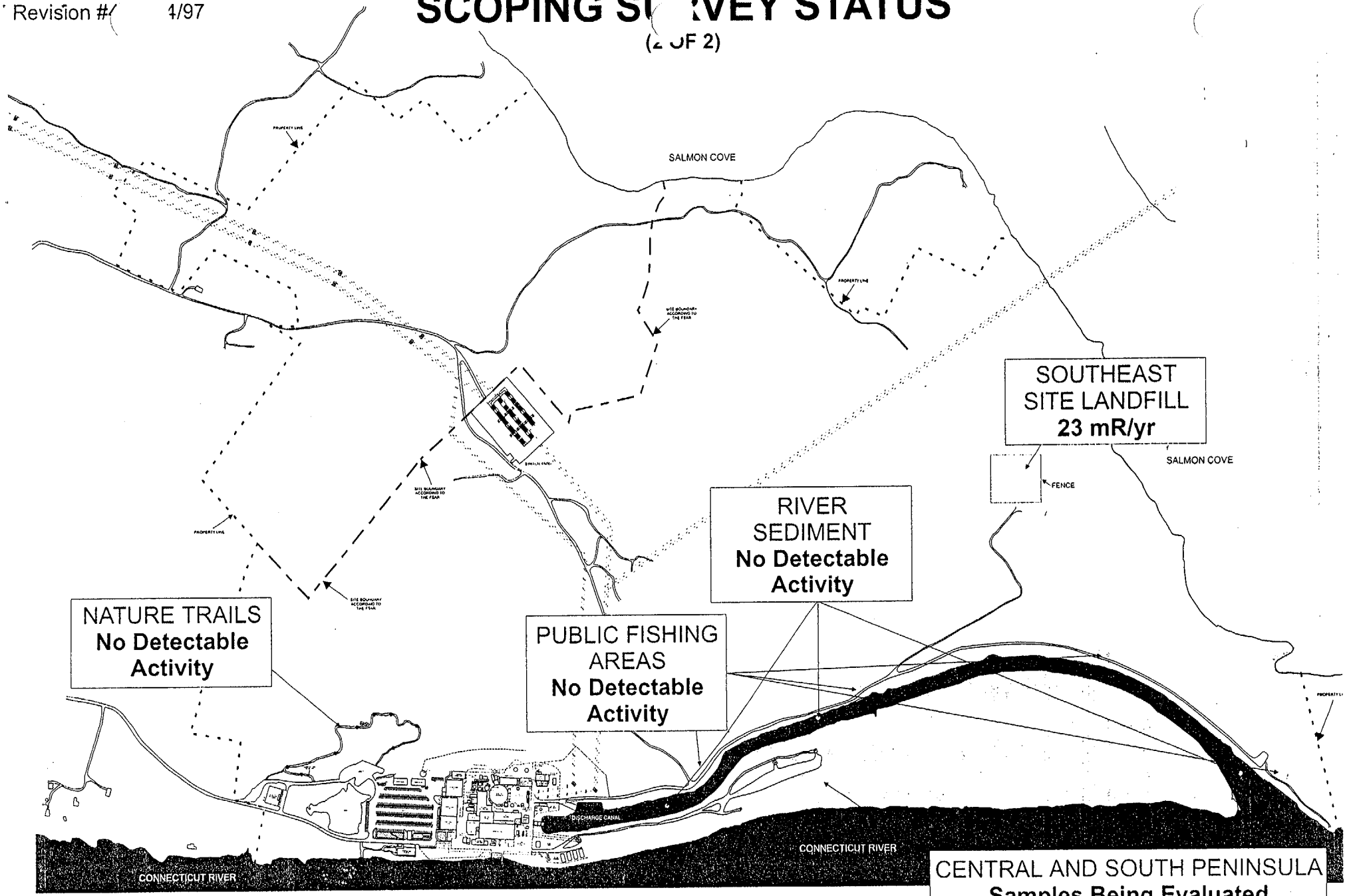
INDICATES AREAS OF THE SITE THAT HAVE BEEN SURVEYED / SAMPLED FOR RADIOACTIVE MATERIALS - MEASURABLE ACTIVITY FOUND

COMMENTS: Areas Evaluated by Scanning, Soil Sampling and Exposure Rate Readings

Revision #/ 4/97

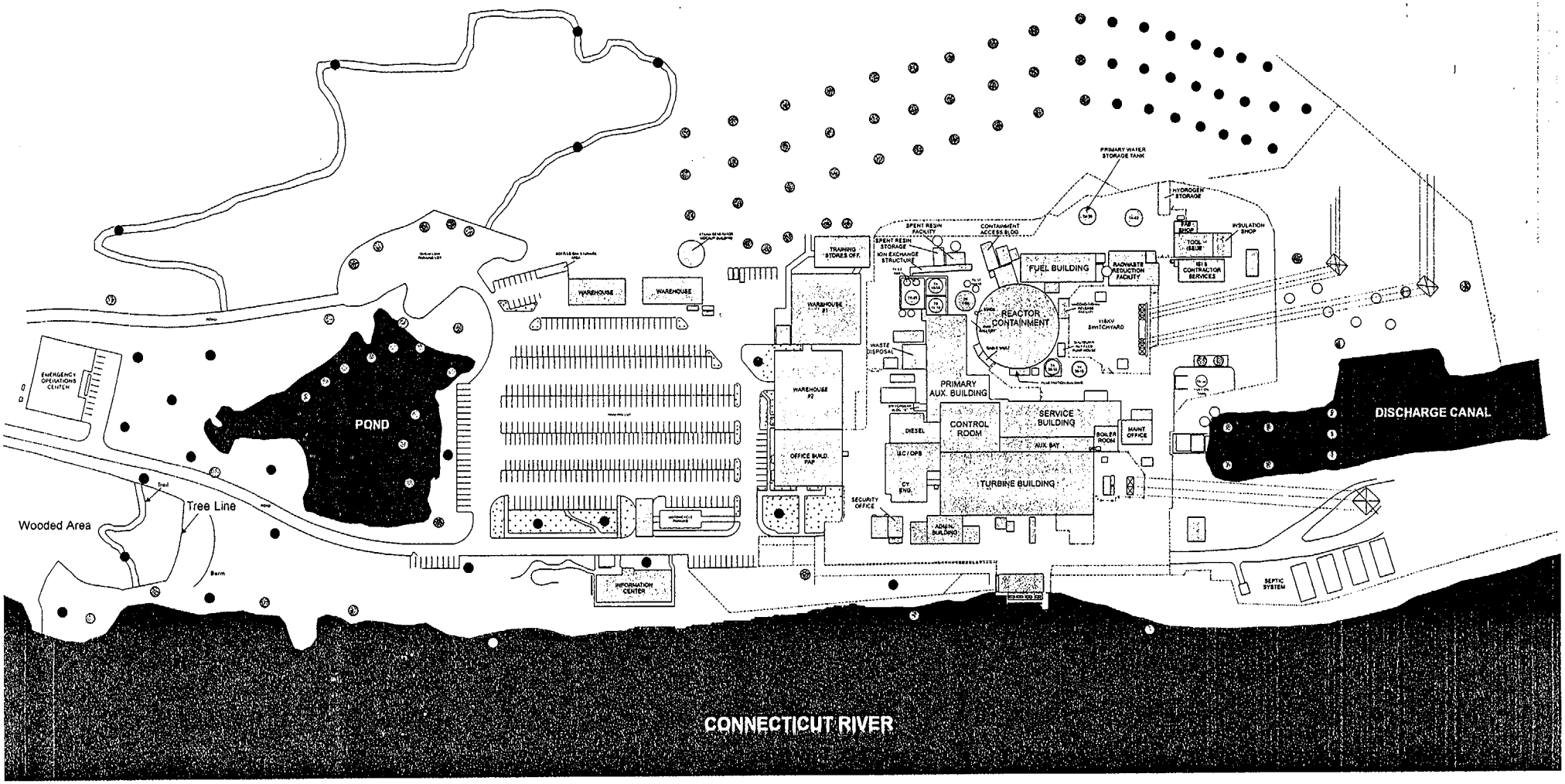
SCOPING SURVEY STATUS

(2 OF 2)



INDICATES AREAS OF THE SITE THAT HAVE BEEN SURVEYED / SAMPLED FOR RADIOACTIVE MATERIALS - NO DETECTABLE ACTIVITY

SOIL SAMP' 'NG STATUS



INDICATES AREAS OF THE SITE THAT SOIL HAS BEEN SURVEYED / SAMPLED FOR RADIOACTIVE MATERIALS - NO DETECTABLE ACTIVITY

INDICATES AREAS OF THE SITE THAT SOIL HAS BEEN SURVEYED / SAMPLED FOR RADIOACTIVE MATERIALS - DETECTABLE ACTIVITY

INDICATES AREAS OF THE SITE THAT SOIL HAS BEEN SURVEYED / SAMPLED FOR RADIOACTIVE MATERIALS - ANALYSIS IN PROGRESS

Significant Radiological Contamination Events At Maine Yankee

MAINE YANKEE REPORT NUMBER	DATE OF OCCURRENCE	DESCRIPTION OF OCCURRENCE	REFERENCE DOCUMENTS
MN-88-107 MY-NRC	2/23/88	Leak in RWST siphon heat return line to ground	LER# UOR# RIR# YNSD Analysis
JHA-93-27	1992	Residual contaminated soil under yard crane (Wiscasset Wall) Former Waste Storage Area	JHA memo to R.H. Nelson of 7/21/92 J.W. Bisson memo to P.L. Anderson of 10/23/92, REG268/92, MYP#92-1173 F.X. Bellini memo to P.L. Anderson of 1/12/93, MYP#93-0054
MY to Div. of Health and Engineering 10/4/94	1992-08	Spreading of slightly contaminated silt from intake racks in accordance with Dredge Spoil Utilization Permit, S-20814-SS-A-N	J.W. Bisson memo to P.L. Anderson 9/23/94 REG 178/94

L:\contam.evt

LE: RADIATION SPILLS UNUSAL OCCURENCE REPORT ERRODED
UNDERGROUND WASTE VEUTRALIZATION DISCHARGE PIPE
DOCUMENT TYPE: CORRESPONDENCE
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2987-0003
TECHNICAL FILE NUMBER: 01.08.04.04
DOCUMENT NUMBER: 95-025
DOCUMENT DATE: 03/08/1995
ORIGINATOR: ADMINISTRATION
ACCESSION NUMBER: 97991
DATE entered: 05/08/96
user id: CHENEY
DATE MODIFIED: 05/08/96

TITLE: CONTAMINATED SOIL LEFT IN YARD AREA FERROUS
SULFATE TANK
DOCUMENT TYPE: CORRESPONDENCE
DOCUMENT FORM: MI
DOCUMENT LOCATION: 1726-0002
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT DATE: 04/12/1993
CLASSIFICATION TYPE: D
ORIGINATOR: ADMINISTRATION
ACCESSION NUMBER: 50819
DATE entered: 03/24/94
user id: HURLEY
DATE MODIFIED: 05/23/94

TITLE: CONTAMINATED SOIL AT MAINE YANKEE IN ACCORDANCE
WITH 10CFR20.302 A
DOCUMENT TYPE: CORRESPONDENCE
DOCUMENT FORM: MI
DOCUMENT LOCATION: 1726-0003
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT DATE: 11/02/1988
08/31/1989
CLASSIFICATION TYPE: D
ORIGINATOR: ADMINISTRATION
ACCESSION NUMBER: 50820
DATE entered: 03/24/94
user id: CHENEY
MODIFIED: 03/24/94

TITLE: SITE ASSESSMENT OF FERROUS SULFATE UNDERGROUND
STORAGE TANK
DOCUMENT TYPE: CORRESPONDENCE
DOCUMENT FORM: MI
DOCUMENT LOCATION: 1726-0008
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT DATE: 03/11/1991
05/31/1991
CLASSIFICATION TYPE: D
ORIGINATOR: ADMINISTRATION
ACCESSION NUMBER: 50824
DATE entered: 03/24/94
user id: HURLEY
DATE MODIFIED: 05/23/94

TITLE: FACILITY CLOSURE SITE ASSESSMENT UNDERGROUND
SULFATE STORAGE TANK
DOCUMENT TYPE: CORRESPONDENCE
DOCUMENT FORM: MI
DOCUMENT LOCATION: 1726-0009
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT DATE: 02/14/1992
06/04/1992
CLASSIFICATION TYPE: D

CHNICAL FILE NUMBER: 01.08.04.05
DOCUMENT DATE: 11/29/1994
CLASSIFICATION TYPE: D
ORIGINATOR: CORP TREASURE
ACCESSION NUMBER: 72503
DATE entered: 05/16/95
user id: BLAKE
DATE MODIFIED: 05/16/95

TITLE: APPROVAL UNDER 10 CFR 20.302A FOR IN PLACE
DISPOSAL OF RESIDUAL CONTAMINATED SOLID AT MAINE
YANKEE TAG NO 71167
DOCUMENT TYPE: CORRESPONDENCE
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2505-0060
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT DATE: 08/31/1989
CLASSIFICATION TYPE: D
ORIGINATOR: ADMIN
ACCESSION NUMBER: 72597
DATE entered: 05/19/95
user id: CHENEY
DATE MODIFIED: 10/02/95

TITLE: REQUEST FOR IN PLACE DISPOSAL OF SLIGHTLY
CONTAMINATED SOIL IN ACCORDANCE WITH 10 CFR
20.302A
UMENT TYPE: CORRESPONDENCE
UMENT FORM: MI
DOCUMENT LOCATION: 2505-0061
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT DATE: 11/02/1988
CLASSIFICATION TYPE: D
ORIGINATOR: ADMIN
ACCESSION NUMBER: 72598
DATE entered: 05/19/95
user id: CHENEY
DATE MODIFIED: 05/19/95

TITLE: KEROSENE LEAK SPARE GENERATOR ENCLOSURE STRUCTURE
FOLLOW UP REPORT
DOCUMENT TYPE: CORRESPONDENCE
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2505-0062
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT DATE: 09/21/1994
CLASSIFICATION TYPE: D
ORIGINATOR: ADMIN
ACCESSION NUMBER: 72599
DATE entered: 05/19/95
user id: CHENEY
DATE MODIFIED: 05/19/95

..ILE: LICENSED SILT SPREADING AREA
DOCUMENT TYPE: CORRESPONDENCE
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2556-0037
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT DATE: 10/04/1994
CLASSIFICATION TYPE: D
ORIGINATOR: ADMIN
ACCESSION NUMBER: 72600
DATE entered: 05/19/95
user id: CHENEY
DATE MODIFIED: 08/01/95

TITLE: IN-SITU DECOMMISSIONING LOW LEVEL WASTE MANAGEMENT
DOCUMENT TYPE: CORRESPONDENCE
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2505-0064
TECHNICAL FILE NUMBER: 01.08.04.06
DOCUMENT NUMBER: APTR-42
DOCUMENT DATE: 01/01/1987
CLASSIFICATION TYPE: D
ORIGINATOR: ADMIN
ACCESSION NUMBER: 72601
DATE entered: 05/19/95
user id: CHENEY
DATE MODIFIED: 05/19/95

LE: POLYCHLORINATED BIPHENYLS PCBS FOR HANDLING AND
DISPOSAL OF CAPACITOR AND TRANSFORMER GRADE ASK
ARELS
DOCUMENT TYPE: PROCEDURES
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2531-0001
TECHNICAL FILE NUMBER: 01.08.04.08
DOCUMENT DATE: 01/04/1971
CLASSIFICATION TYPE: D
ORIGINATOR: CENTRAL MAINE POWER COMPANY
ACCESSION NUMBER: 72764
DATE entered: 05/22/95
user id: CHENEY
DATE MODIFIED: 05/22/95

TITLE: POLYCHLORINATED BIPHENYLS PCBS
DOCUMENT TYPE: CORRESPONDENCE
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2531-0002
TECHNICAL FILE NUMBER: 01.08.04.08
DOCUMENT DATE: 12/02/1976
12/22/1994
CLASSIFICATION TYPE: D
ORIGINATOR: CENTRAL MAINE POWER COMPANY
ACCESSION NUMBER: 72765
DATE entered: 05/22/95

ORIGINATOR: MAINTENANCE
ACCESSION NUMBER: 72783
DATE entered: 05/22/95
user id: CHENEY
DATE MODIFIED: 05/22/95

TITLE: POLYCHLORINATED BIPHENYLS PCBS E1 SA-A
MAINTENANCE HISTORY
DOCUMENT TYPE: REQUESTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2531-0020
TECHNICAL FILE NUMBER: 01.08.04.08
DOCUMENT DATE: 07/14/1981
12/13/1990
CLASSIFICATION TYPE: D
ORIGINATOR: MAINTENANCE
ACCESSION NUMBER: 72784
DATE entered: 05/22/95
user id: CHENEY
DATE MODIFIED: 05/22/95

TITLE: POLYCHLORINATED BIPHENYLS PCBS M18 M-A P2C
TURBINE DRIVEN STEAM GENERATOR FEED PUMP
MAINTENANCE HISTORY FILES
DOCUMENT TYPE: REQUESTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2531-0021
TECHNICAL FILE NUMBER: 01.08.04.08
DOCUMENT DATE: 07/26/1984
04/10/1991
CLASSIFICATION TYPE: D
ORIGINATOR: MAINTENANCE
ACCESSION NUMBER: 72785
DATE entered: 05/22/95
user id: CHENEY
DATE MODIFIED: 05/22/95

TITLE: UNUSUAL OCCURRENCE REPORTS FOR OIL SPILL
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2545-0002
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR83
DOCUMENT DATE: 03/29/1983
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73681
DATE entered: 06/19/95
user id: HURLEY
DATE MODIFIED: 06/19/95

TITLE: UNUSUAL OCCURRENCE REPORTS FOR HEAT TRACE FAILURE
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2545-0003
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR83
DOCUMENT DATE: 12/20/1983
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73682
DATE entered: 06/19/95
user id: HURLEY
DATE MODIFIED: 06/19/95

TITLE: UNUSUAL OCCURRENCE REPORTS FOR POTENTIAL RELEASE OF RADIOACTIVE LIQUID TO THE STORM SEWER
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2545-0005
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR84
DOCUMENT DATE: 02/27/1984
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73684
DATE entered: 06/19/95
user id: HURLEY
DATE MODIFIED: 06/19/95

TITLE: UNUSUAL OCCURRENCE REPORTS FOR RWST LEAK
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2545-0006
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR84
DOCUMENT DATE: 03/30/1984
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73685
DATE entered: 06/19/95
user id: HURLEY
DATE MODIFIED: 06/19/95

TITLE: UNUSUAL OCCURRENCE REPORTS X1A OIL SAFETY LIFT
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2545-0008

RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR85-042
DOCUMENT DATE: 07/06/1985
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73687
DATE entered: 06/19/95
user id: HURLEY
DATE MODIFIED: 06/19/95

TITLE: UNUSUAL OCCURRENCE REPORTS MERCURY SPILL IN AUXILLARY BOILER ROOM
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2545-0009
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR85-055
DOCUMENT DATE: 08/14/1985
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73688
DATE entered: 06/19/95
user id: HURLEY
DATE MODIFIED: 06/19/95

TITLE: UNUSUAL OCCURRENCE REPORTS PCC LEAK UNDERGROUND
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2545-0010
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR85-079
DOCUMENT DATE: 10/10/1985
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73689
DATE entered: 06/19/95
user id: HURLEY
DATE MODIFIED: 06/19/95

TITLE: UNUSUAL OCCURRENCE REPORTS CHROMATED WATER SPILL FORM TANKER
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2545-0012
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02

DOCUMENT NUMBER: UOR87-059
DOCUMENT DATE: 05/11/1987
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73691
DATE entered: 06/19/95
user id: HURLEY
DATE MODIFIED: 06/19/95

TITLE: UNUSUAL OCCURRENCE REPORTS RWST SIPHON HEATER LEAKAGE
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2545-0013
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02

DOCUMENT NUMBER: UOR87-153
DOCUMENT DATE: 10/11/1987
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73692
DATE entered: 06/19/95
user id: HURLEY
DATE MODIFIED: 06/19/95

TITLE: UNUSUAL OCCURRENCE REPORTS RWST HEATER RETURN LINE CRACK
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2545-0014
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02

DOCUMENT NUMBER: UOR87-159
DOCUMENT DATE: 10/24/1987
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73693
DATE entered: 06/19/95
user id: HURLEY
DATE MODIFIED: 06/22/95

TITLE: UNUSUAL OCCURRENCE REPORTS RWST SIPHON HEATER FLANGE LEAK
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0001A783
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02

DOCUMENT NUMBER: UOR88-020
DOCUMENT DATE: 02/23/1988

CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73961
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 08/07/95

TITLE: UNUSUAL OCCURRENCE REPORTS RWST SIPHON HEATER RETURN LINE ISOLATION VALVE LEAK
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0002
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR88-021
DOCUMENT DATE: 02/24/1988
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73962
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 08/07/95

TITLE: UNUSUAL OCCURRENCE REPORTS RWST SIPHON HEATER RETURN LINE LEAK
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0002A7
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR88-033
DOCUMENT DATE: 04/26/1988
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73963
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURRENCE REPORTS OVERFILLING OF RWST COLLECTION BARREL
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0003
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR88-039
DOCUMENT DATE: 05/22/1988
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS

ACCESSION NUMBER: 73964
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURRENCE REPORTS RWST SIPHON HEATER RETURN LINE ISOLATION VALVE LEAK
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0004
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR88-042
DOCUMENT DATE: 05/27/1988
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73965
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURRENCE REPORTS BORON WASTE STORAGE TANK DIKED AREA SUMP DRAIN VALVES TO YARD STORM DRAIN FOUND OPEN
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0005
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR88-043
DOCUMENT DATE: 06/02/1988
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73966
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURRENCE REPORTS MAIN TRANSFORMER DRAIN SUMP PUMPDOWN MILKY LIQUID
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0006
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR88-124
DOCUMENT DATE: 11/17/1988
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73967

E entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURRENCE REPORTS GOVERNMENT NRC
NOTIFICATION OF SCC SPILL
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0007
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR88-135
DOCUMENT DATE: 12/05/1988
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73968
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURRENCE REPORTS FUEL OIL SPILL FROM
STORAGE TANK FOR RWST ENCLOSURE FURNACE
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0009
RETENTION PERIOD: 99
NICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR89-102
DOCUMENT DATE: 10/20/1989
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73970
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURRENCE REPORTS OIL LEAKAGE INTO SPRAY
BUILDING UOR89-106 AND ADDENDUM
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0010
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR89-106
DOCUMENT DATE: 10/29/1989
10/30/1989
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73971
DATE entered: 06/27/95

user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURENCE REPORTS HAZARDOUS WASTE SPILL
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0012
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR90-007
DOCUMENT DATE: 01/15/1990
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73973
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURENCE REPORTS MERCURY SPILL IN I+C SHOP
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0013
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR90-030
DOCUMENT DATE: 03/23/1990
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73974
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURENCE REPORTS SMALL SCC HAZARDOUS WASTE SPILL
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0014
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR90-051
DOCUMENT DATE: 04/18/1990
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73975
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

..LE: UNUSUAL OCCURENCE REPORTS OIL LEAK FROM X-1B
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0015
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR90-093
DOCUMENT DATE: 07/05/1990
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73976
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURENCE REPORTS SCAT TANK LEAK IN LINE TO LT 3201
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0016
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR90-124
DOCUMENT DATE: 09/19/1990
CLASSIFICATION TYPE: D
...GINATOR: OPERATIONS
...ESSION NUMBER: 73977
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURENCE REPORTS A BORON WASTE STORAGE TANK TK-13A HEATER FLANGE LEAK
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0018
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR91-005
DOCUMENT DATE: 01/09/1991
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73979
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURENCE REPORTS A BORON WASTE STORAGE TANK TK-13A HEATER FLANGE LEAK
DOCUMENT TYPE: REPORTS

DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0019
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR91-019
DOCUMENT DATE: 02/18/1991
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73980
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURENCE REPORTS OIL LEAK FROM OIL
PROCESSING TRAILER
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0020
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR91-039
DOCUMENT DATE: 05/09/1991
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73981
entered: 06/27/95
id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURENCE REPORTS SMALL ONE QUART FUEL
OIL SPILL DURING DG-2 TRANSFER
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0021
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR91-061
DOCUMENT DATE: 08/14/1991
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73982
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURENCE REPORTS SMALL DIESEL FUEL SPILL
DG-2 PIPING
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0022

RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR91-092
DOCUMENT DATE: 11/01/1991
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73983
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURENCE REPORTS GASOLINE TANK GROUND
WATER SAMPLE EXCEEDENCE
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2547-0023
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR91-098
DOCUMENT DATE: 12/06/1991
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73984
DATE entered: 06/27/95
user id: RINES
DATE MODIFIED: 06/27/95

TITLE: UNUSUAL OCCURENCE REPORTS LEAKAGE PAST REACTOR
HEAD VENT VALVE
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: HC-VAULT
2547-0008
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR89-019
DOCUMENT DATE: 02/18/1989
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73985
DATE entered: 06/27/95
user id: HURLEY
DATE MODIFIED: 04/11/97

TITLE: UNUSUAL OCCURRENCE REPORTS AIR EJECTOR CONDENSER
PROBLEMS
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: HC-VAULT
2547-0008

RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 11.14.06
01.08.04.02
DOCUMENT NUMBER: UOR89-124
DOCUMENT DATE: 12/07/1989
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 73986
DATE entered: 06/27/95
user id: HURLEY
DATE MODIFIED: 04/11/97

TITLE: UNUSUAL OCCURENCE REPORTS SANITARY SEWER LINE
LEAK ON MAINE YANKEE PROPERTY
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2554-0002
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 01.08.04.02
11.14.06
DOCUMENT NUMBER: UOR92-011
DOCUMENT DATE: 01/23/1992
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 74572
DATE entered: 07/10/95
user id: RINES
DATE MODIFIED: 07/10/95

TITLE: UNUSUAL OCCURENCE REPORTS MINOR OIL SPILL DURING
CW PUMPHOUSE MAINTENANCE
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2554-0003
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 01.08.04.02
11.14.06
DOCUMENT NUMBER: UOR92-028
DOCUMENT DATE: 02/21/1992
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 74573
DATE entered: 07/10/95
user id: RINES
DATE MODIFIED: 07/10/95

TITLE: UNUSUAL OCCURENCE REPORTS OIL LEAKAGE ONTO GROUND
UNDER FUEL TRUCK
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2554-0004
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 01.08.04.02

11.14.06
DOCUMENT NUMBER: UOR92-034
DOCUMENT DATE: 03/06/1992
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 74574
DATE entered: 07/10/95
user id: RINES
DATE MODIFIED: 07/10/95

TITLE: UNUSUAL OCCURENCE REPORTS HAZARDOUS SUBSTANCE SPILL
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2554-0005
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 01.08.04.02

11.14.06
DOCUMENT NUMBER: UOR92-037
DOCUMENT DATE: 03/15/1992
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 74575
DATE entered: 07/10/95
user id: RINES
DATE MODIFIED: 07/10/95

E: UNUSUAL OCCURENCE REPORTS SMALL ONE HALF GALLON SODIUM HYDROXIDE SPILL ON PAVEMENT
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2554-0006
RETENTION PERIOD: 99
TECHNICAL FILE NUMBER: 01.08.04.02

11.14.06
DOCUMENT NUMBER: UOR92-051
DOCUMENT DATE: 04/15/1992
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 74576
DATE entered: 07/10/95
user id: RINES
DATE MODIFIED: 07/10/95

TITLE: RADIATION SPILLS UNUSAL OCCURENCE REPORT ERRODED UNDERGROUND WASTE VEUTRALIZATION DISCHARGE PIPE
DOCUMENT TYPE: CORRESPONDENCE
DOCUMENT FORM: MI
DOCUMENT LOCATION: 2987-0003
TECHNICAL FILE NUMBER: 01.08.04.04
DOCUMENT NUMBER: 95-025
DOCUMENT DATE: 03/08/1995
ORIGINATOR: ADMINISTRATION

TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT NUMBER: UOR94-040
DOCUMENT DATE: 06/18/1994
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 112951
DATE entered: 02/26/97
user id: HURLEY
DATE MODIFIED: 02/26/97

TITLE: UNUSUAL OCCURRENCE REPORTS SERVICE WATER HEADER
OUTFALL LEAK
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 3511-0007
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT NUMBER: UOR94-041
DOCUMENT DATE: 06/19/1994
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 112952
DATE entered: 02/26/97
user id: HURLEY
DATE MODIFIED: 02/26/97

TITLE: UNUSUAL OCCURRENCE REPORTS SERVICE SMALL KEROSENE
OIL SPILL
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 3511-0008
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT NUMBER: UOR94-043
DOCUMENT DATE: 06/23/1994
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 112953
DATE entered: 02/26/97
user id: HURLEY
DATE MODIFIED: 02/26/97

TITLE: UNUSUAL OCCURRENCE REPORTS OIL SHEEN AT
CIRCULATING WATER INTAKE STRUCTURE
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 3511-0009
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT NUMBER: UOR94-047
DOCUMENT DATE: 06/30/1994
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 112954
DATE entered: 02/26/97
user id: HURLEY

E MODIFIED: 02/26/97

TITLE: UNUSUAL OCCURRENCE REPORTS OIL SHEEN ON STANDING
WATER AT FUEL OIL STORAGE TANK REMOVAL SITE
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 3511-0010
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT NUMBER: UOR94-093
DOCUMENT DATE: 10/27/1994
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 112955
DATE entered: 02/26/97
user id: HURLEY
DATE MODIFIED: 02/26/97

TITLE: UNUSUAL OCCURRENCE REPORTS VAPOR EXTRATOR EJ-5
OIL DISCHARGE TO TURBINE BUILDING ROOF
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 3511-0011
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT NUMBER: UOR94-105
DOCUMENT DATE: 11/29/1994
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ESSION NUMBER: 112956
E entered: 02/26/97
user id: HURLEY
DATE MODIFIED: 02/26/97

TITLE: UNUSUAL OCCURRENCE REPORTS ERRODED UNDERGROUND
WASTE NEUTRALIZATION DISCHARGE PIPE
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 3511-0012
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT NUMBER: UOR95-025
DOCUMENT DATE: 03/08/1995
CLASSIFICATION TYPE: D
ORIGINATOR: OPERATIONS
ACCESSION NUMBER: 112957
DATE entered: 02/26/97
user id: HURLEY
DATE MODIFIED: 02/26/97

TITLE: UNUSUAL OCCURRENCE REPORTS OIL SHEEN ON BACK RIVER
DOCUMENT TYPE: REPORTS
DOCUMENT FORM: MI
DOCUMENT LOCATION: 3511-0013
TECHNICAL FILE NUMBER: 01.08.04.02
DOCUMENT NUMBER: UOR95-039

10R

93-064
93-065
93-068
93-072
94-013
94-038
94-043
94-046
94-047
94-093
94-105
95-080
-088
-093
-096
-097

96-001
030
034
063
081

Spill Search

1-801 OLDBin EFS

Spill:

40R 20-88
16-87
42-87
58-87
59-87
88-87
119-87
139-87
46-87
10-86

OEDBH175
42-85
55-85
107-88
124-88
117-88
135-88
137-88
138-88
91

OEDB860
89-34
90-35

OEDB1131/PRCF158
89-102
89-106
89-114
90-007
90-030
90-035
90-051
90-062

OEDB1367
90-079
90.093
90-124
91-032
91-034 Pg 1 & 6
91-036
91.037
91-039
91.061
91.092
91-100
92-028
92.037 1-160
92-051
92-054
92-096
93.038

HSA ID# 96

MAINE YANKEE MEMORANDUM

Reliable Electricity for Maine Since 1972

To: Lee McCabe **Date:** November 15, 1996

CC: Pamela Bacon
Steve Evans
Pat Lydon
John Arnold

From: David Asherman, ext. 4367 **File:** DWA-96-021

Subject: Flood Relief Panel Drainage Project
Disposal of Surplus Soil
(a) Memo From D. Asherman Dated 11/4/96

Background:

Item (a) above provides a summary of regulatory issues associated with the proposed project. On 11/4/96, a composite soil sample was collected from four locations along the center line of the proposed 13' wide paved trench. The sample was split and analyzed by Maine Environmental Laboratory for Oil & Grease and by the Yankee Atomic electric Company Environmental Laboratory for radionuclides.

Test Results:

1. Composite sample contains 0.04 % Oil & Grease. The analytical Method Detection Limit is 0.01%. Chapter 405 of the Maine Solid Waste Regulations establish an Oil & Grease threshold of 0.25% Oil & Grease for disposal of dredge spoils as inert fill (meaning clean and not restricted). Therefore disposal of the surplus soil from the proposed project is not limited by Oil & Grease.

2. Composite sample only contains naturally occurring nuclides; no plant-related radionuclides were detected. Therefore soil is not contaminated and disposal is not restricted.

Concerns/Issues:

1. It is presently anticipated that the surplus soils will be disposed of on the contractors parking lot. Expansion of the parking lot was approved by permit from the Maine Department of Environmental Protection in May 1992. That approval was for expansion, regrading and stripping the parking lot. Conditions of approval included:

   - Initiation of construction within two years of permit issuance. It is assumed

that this condition has been met.

- Completion of project within five years. The completion date is to be by May 1997. If the project is not completed by that date, an extension should be obtained.

- Project construction must in accordance with plans submitted as part of the permit application including limits on the extent of the parking lot expansion and adherence to erosion and sedimentation control plans.

2. This project can be constructed without obtaining prior MDEP approval using the 30,000 sq. ft. exemption. EHS/EP will prepare and submit appropriate notification.

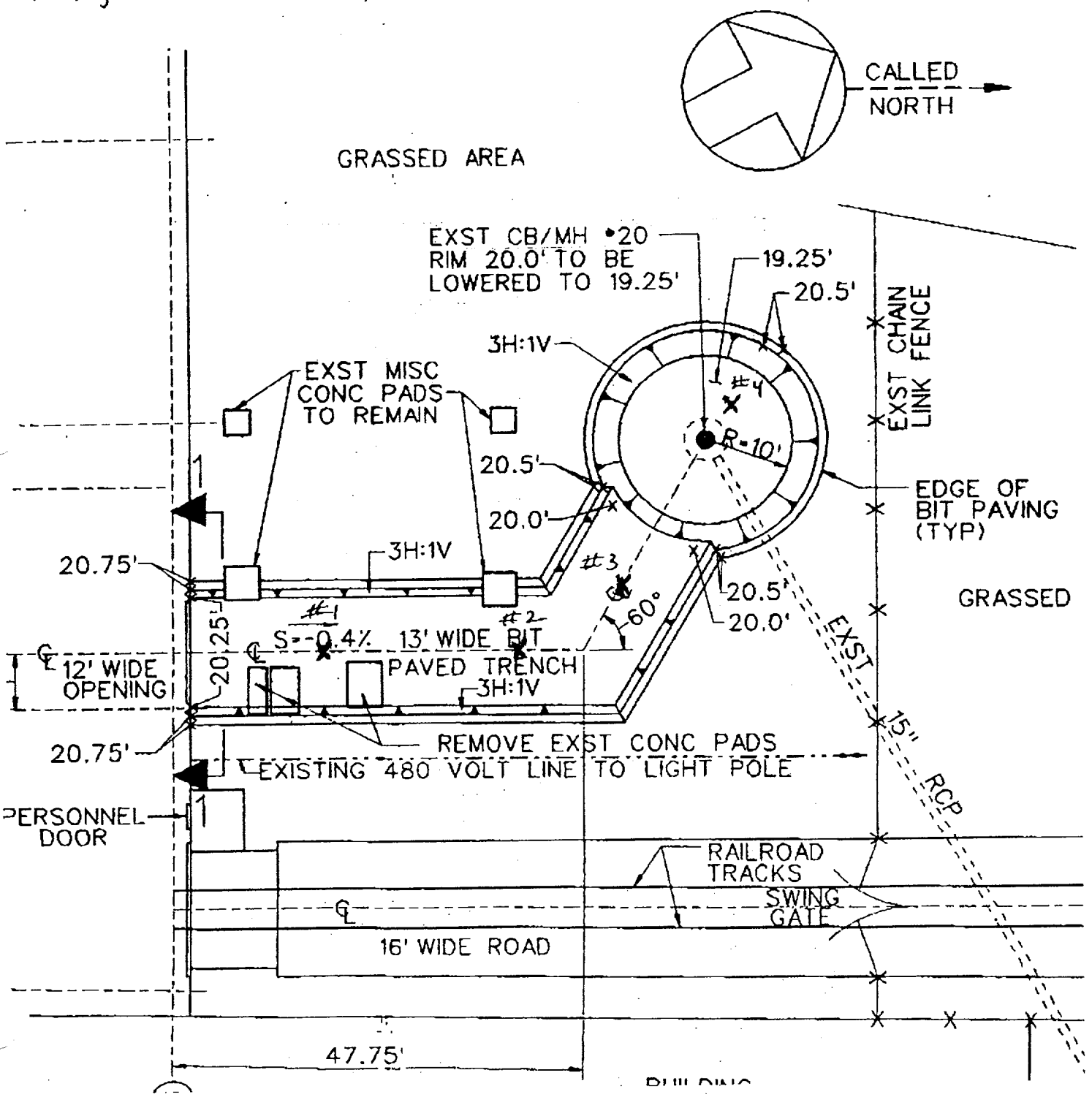
3. If an alternative disposal location(s) is planned, please contact EHS/EP prior to placement of soil to ensure environmental regulations are complied with.

N.T.S.

Composite soil sample collected following protocol developed by Robert G. Gerber, Inc. for Maine Yankee Dredge Material Land Application. station redesignated by YAEC Environmental Lab.

Four discret samples collected & composited into sample M-SE-07. Sample analyzed by Maine Environmental Laboratory for Oil & Grease and by Bolton for radio nuclides (split sample).

Original Chain of Custody in Landspreading file.



MAINE ENVIRONMENTAL LABORATORY

198 Main Street • Yarmouth, Maine 04096-1690 • (207) 846-6569 • FAX (207) 846-9066

Chain of Custody

PROJECT MANAGER	TELEPHONE	FAX #
David Ashermen	798-4367	798-4230

COMPANY	PURCHASE ORDER #
Maine Yankee	Req # 36502

ADDRESS: Old Bath Rd Brunswick, ME

PROJECT NAME: Flood Relief Canal Drainage / Dredge Material Land Application

SAMPLER NAME: David Ashermen

SAMPLE IDENTIFICATION	# CONTAINERS	TYPE OF CONTAINERS	FIELD FILTRATION YES	FIELD FILTRATION NO	SAMPLE MATRIX	GRAB	COMP.	METHOD PRESERVED	SAMPLING DATE	SAMPLING TIME	ANALYTICAL PARAMETERS: PH, Potassium, magnesium, calcium, sodium, Chromium copper, lead mercury, nickel	ANALYTICAL PARAMETERS: zinc, arsenic, total P. Dissolved	ANALYTICAL PARAMETERS: Oil & Grease
11-4-96-001	1	1L		V	Soil		X	N/A	11/4/96	1550	✓	✓	
M-SE-02 07	1	1L		V	Soil		X	N/A	11/4/96	1500			✓

RELINQUISHED BY SAMPLER: David Ashermen — DATE 11/4/96 — TIME 1702

RECEIVED BY: — DATE — TIME

RELINQUISHED BY: — DATE — TIME

RECEIVED BY: — DATE — TIME

RELINQUISHED BY: — DATE — TIME

RECEIVED BY LABORATORY: — DATE 11/4/96 — TIME 1705

TURNAROUND REQUEST

☒ Standard 11-4-96-001

☒ Priority (SURCHARGE) M-SE-02

Received within hold time ☒ yes ☐ no

Received in good condition ☒ yes ☐ no

Temp. Blank °C / Frozen ice packs.

Samples received preserved ☐ yes ☒ no

REMARKS

Quote # _____

Key = 36502

MAINE YANKEE MEMORANDUM

Reliable Electricity for Maine Since 1972

To: File **Date:** November 4, 1996

From: D. Asherman, ext. 4367 **File:** DWA-96- 017

Subject: Analytical Services Procurement

****

Procurement of analytical services is required for two MY projects as described below. Vendor for services will be:

Attn: Herbert S. Kodis, Laboratory Director
Maine Environmental Laboratory
198 Main Street
Yarmouth, ME 04096-1690
(207) 846-4673/FAX (207) 846-9066

1. Analysis of one composite soil sample for Oil & Grease for the purpose of disposal of surplus excavated soil generated by the Flood Relief Drainage Project. Sample to be collected from the yard area north of the Turbine Hall.

Cost per sample	$55.00	# of samples = 1	Total	$55.00
Ten-day turn around surcharge %50				x 1.5
Total				$82.00

2. Analysis of one composite soil sample from the landspreading area for pH, CEC, potassium, phosphorus, magnesium,calcium, cadmium, chromium, copper, lead, mercury, nickel, zinc, and arsenic. Analysis required annually for permit condition compliance by the Maine Department of Environmental Protection.

Cost per sample	$231.00
# of samples =	x 1
Total	$231.00

Total for this requisition $313.00

NOV-14-96 THU 16:47

MAILED

NOV 14 1996

YAEC
ENVIRONMENTAL LAB.

Yankee Atomic Electric Company
Environmental Laboratory

Analysis Report

Customer: Maine Yankee Atomic Power Station
Attention: Mr. Roger R. O'Clair
Mr. Edward Cumming

Report Date: 11/14/96
Analysis Date: 11/14/96
Receipt Date: 11/06/96
Reference Date: 11/04/96

Sediment

Station No: 07 Turbine Hall (N)

Sample Amount: 0.653 kg-dry
Elapsed Time: 10.1226 days
Comment: Soil Composite Yard Area

Lab Sample #: G32682
Sample Code: M8E 07 4596
Analyses Req: G

Nuclide	Decay Correction	Activity Conc. ± σ [picoCurie / kg - dry]	MDC
Co-57	9.74E-01	(-41 ± 21)E 00	79E 00
Ce-144	9.75E-01	(-13 ± 16)E 01	56E 01
Ce-141	8.05E-01	(2 ± 41)E 00	14E 01
Mo-99	7.79E-02	(-41 ± 25)E 02	12E 03
Se-75	9.43E-01	(25 ± 35)E 00	12E 01
Cr-51	7.76E-01	(6 ± 27)E 01	96E 01
I-131	4.17E-01	(-87 ± 59)E 00	25E 01
Be-7	8.76E-01	(-12 ± 27)E 01	11E 02
Ru-103	8.36E-01	(9 ± 28)E 00	10E 01
xI-133	5.77E-01	(-43 ± 43)E 00	23E 01
Ba-140	9.90E-01	(-4 ± 26)E 00	99E 00
Cs-134	9.81E-01	(15 ± 28)E 01	10E 02
Ru-106	9.99E-01	(79 ± 44)E 00	14E 01
Cs-137	9.72E-01	(-3 ± 40)E 00	16E 01
Ag-110M	8.96E-01	(55 ± 53)E 00	18E 01
Zr-95	9.05E-01	(-10 ± 30)E 00	12E 01
Co-58	9.77E-01	(37 ± 35)E 00	12E 01
Mn-54	1.00E 00	(69 ± 17)E 01	48E 01
+* AcTh228	1.16E-01	(12 ± 27)E 01	10E 02
TeI-132	8.54E-01	(83 ± 94)E 00	34E 01
Fe-59	9.71E-01	(27 ± 16)E 01	59E 01
Zn-65	9.96E-01	(-12 ± 38)E 00	16E 01
Co-60	1.00E 00	(183 ± 16)E 02	17E 02
+* K-40	8.90E-01	(-37 ± 33)E 00	25E 01
Sb-124			

Approved by

E. M. Moreno

Notes:
* Activity greater than 3 standard deviations
+ Peak is found
x Decay correction is less than .01

Reporting level ratio: 0.000

HSA ID# 97

MAINE YANKEE GENERAL SURVEY RECORD FORM

Maine Yankee

Map#: MSC-001 Revision#: 00	Date: 11-17-97	Time: 17:00	Reactor Pwr %: Ø	Tech File Number:	RWP's Used: N/A	Dose Received: Ø mr

Surveyor Name: (Printed)	Surveyor Name: (Signature)	Location/Job Description:
W. Stover	[signature]	Northend Conference Room, Maine Yankee Information Center

Required R.P. Review / Date	[2] Required ALARA Supervisor Review / Date	REASON FOR SURVEY
		☐ ROUTINE[1] ☐ JOB-COVERAGE[1] ☐ SHIELDING[1,2] ☑ OTHER[1] (Specify): Requested

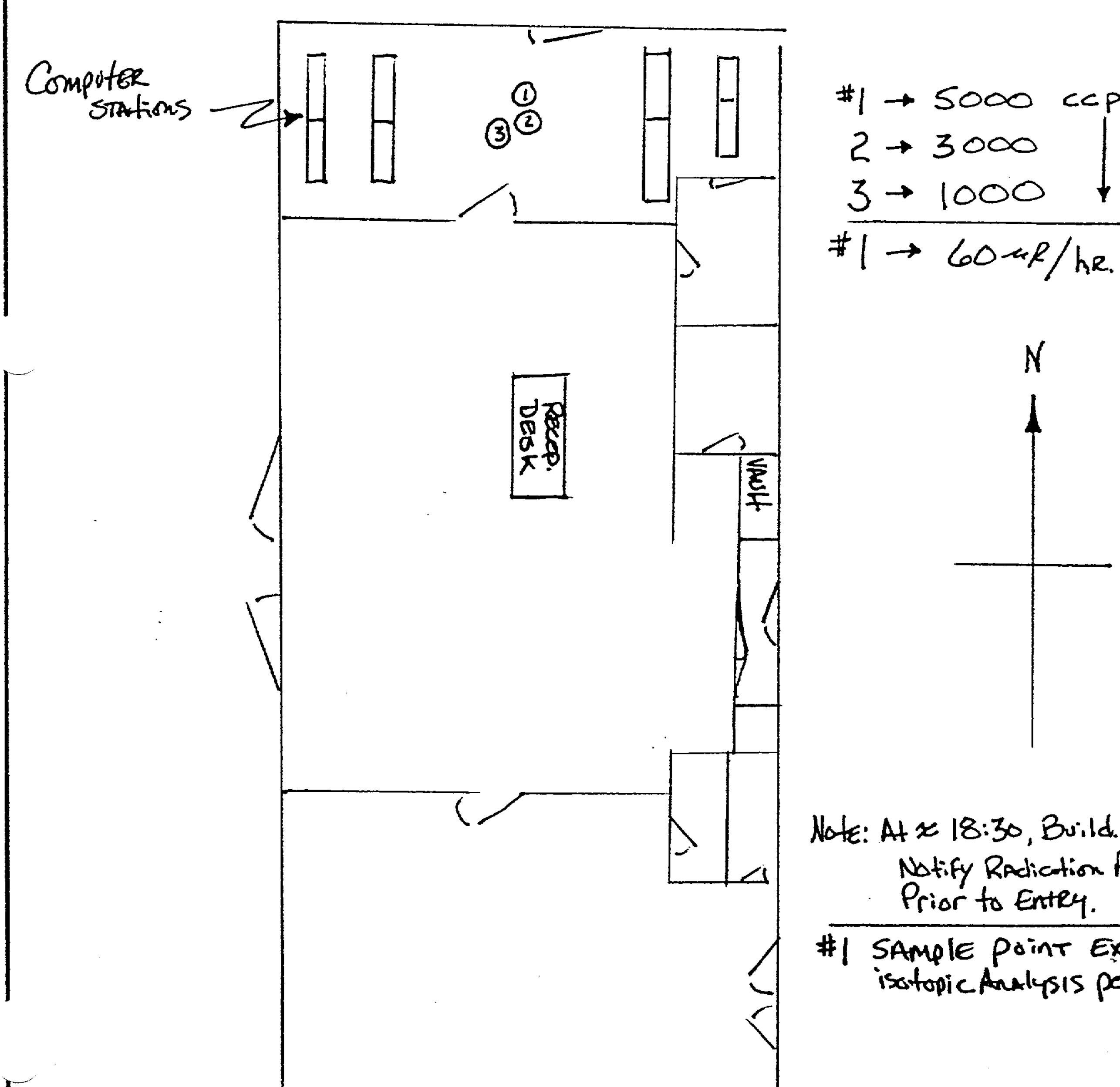
INSTRUMENTS USED			
MODEL	SERIAL #	CAL DUE	MDA
Model 3	72455-91	3-23-98	N/A
Model 5	132261	12-14-97	N/A
N/A	→	→	
N/A	→	→	
N/A	→	→	

CONTAMINATION RESULTS

SAMPLE #	RESULTS	SAMPLE #	RESULTS	SAMPLE #	RESULTS	SAMPLE #	RESULTS
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

KEY:
- Contact exposure rates denoted by: *
- Smear locations denoted by: ⦿
- Boundaries or barriers denoted by: -x-x-
- Dose rates denoted by:
- Large area smears denoted by:
- Air sample location denoted by:

Sample Continuation Sheet Used. ☐ YES



#1 → 5000 ccpm
2 → 3000
3 → 1000

#1 → 60 uR/hr.

Note: At ≈ 18:30, Build. posted as: Notify Radiation Protection Prior to Entry.

#1 Sample point extracted, isotopic analysis performed.

Maine Yankee
RELIABLE ELECTRICITY SINCE 1972

MAINE YANKEE GENERAL SURVEY RECORD FORM

Map#: MSC-001 / Revision#: 00	Date: 11/18/97	Time: 0815	Reactor Pwr %: SHUTDOWN	Tech File Number: N/A	RWPs Used: N/A	Dose Received: 0 mr

Surveyor Name: (Printed)	Surveyor Name: (Signature)	Location/Job Description:
Jack Lee Mercer	Ed 2 M	Survey of Info Center

[1] Required R.P. Review / Date

[2] Required ALARA Supervisor Review / Date

REASON FOR SURVEY
- ☐ ROUTINE[1]
- ☐ JOB-COVERAGE[1]
- ☐ SHIELDING[1,2]
- ☒ OTHER[1] (Specify): _____

INSTRUMENTS USED

MODEL	SERIAL #	CAL DUE	dpm MDA
MOD 3	7284-91	2-19-98	1K
BC-4	883-94	1-17-98	165.1
	N/A		

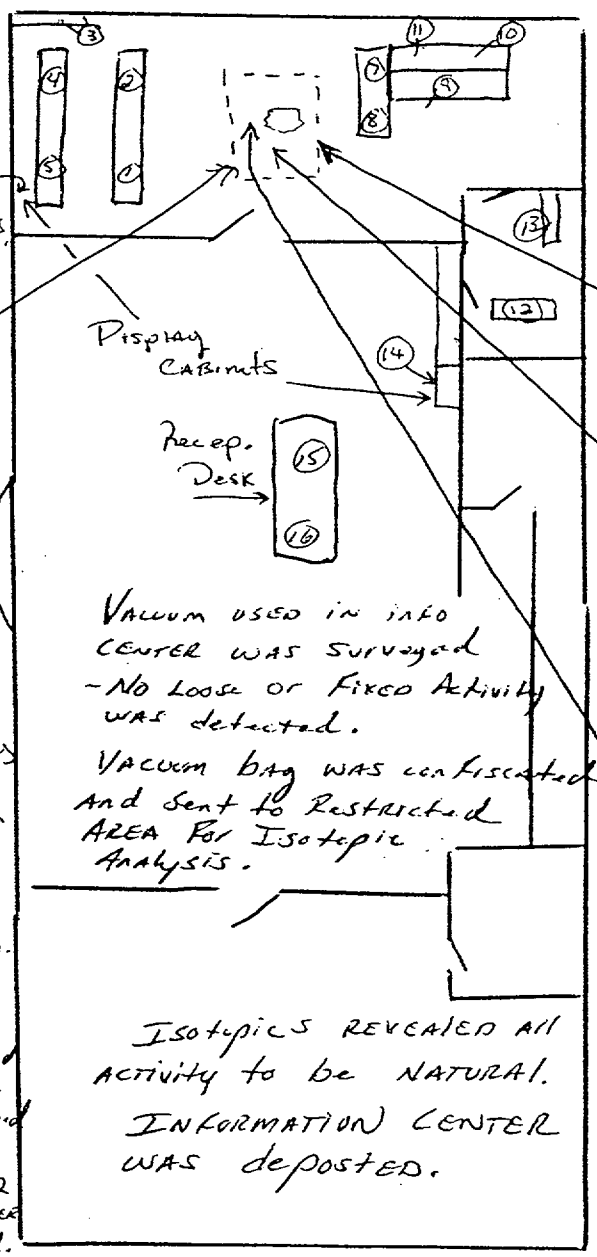
CONTAMINATION RESULTS

SAMPLE #	RESULTS	SAMPLE #	RESULTS	SAMPLE #	RESULTS	SAMPLE #	RESULTS
1	<MDA	6	<MDA	11	<MDA	(16)	
2	<MDA	7	<MDA	12	<MDA		
3	<MDA	8	<MDA	13	<MDA		
4	<MDA	9	<MDA	14	<MDA		
5	<MDA	10	<MDA	15	<MDA		

KEY:
- Contact exposure rates denoted by: *
- Smear locations denoted by: ⊙
- Boundaries or barriers denoted by: -x-x-
- Dose rates denoted by: #
- Large area smears denoted by: ☐ #
- Air sample location denoted by: AS-#

Sample Continuation Sheet Used. ☐ YES

Note:
SMEAR #'S 6 THRU 14 were taken on Natural Radioactivity Display cases other SMEARS were take on DESK, TABLES, CABINETS



Direct Frisk of CARPET in Rooms of Info Center was performed, No INCREASE above background was detected except in NORTH Room (Computer Room).

3 AREAS detected by Paul Stover
1 - 5000 cpm See Survey
2 - 3000 cpm 11-17-97/1700
3 - 1000 cpm
ISO 11-17-97/1741
File #160 (INFO CENTER SAMPLE 1)

3 AREAS were detected by Tim Hurff + Ed Hendrix
300-600 cpm
Survey 11-18-97 0830
ISO File-100
18-NOV-97 13:17 EIF CARPET 1
13.37 EIF CARPET 2
14:30 EIF CARPET 3

2 AREAS detected by Ed MERCER SURVEY IN HAND.
ISOTOPICS
1) 1000 cpm CARPET 1 File 100
2) 900 cpm CARPET 2 File 100 11-19-97 02:35

Display CABINETS
URANIUM ROCKS were removed FROM DISPLAY CABINETS AND Isotopic ANALYSIS was performed in Restricted AREA.
File # 100 - ISO's 18-NOV-97 08:22, 08:23, 11:20, + 12:36

One piece of CARPET was removed and bagged for isotopics in RESTRICTED AREA

Floor under CARPET was surveyed,
- No FIXED Activity was detected
- No SMEARable Activity was detected per Large AREA Masslin SMEAR.

AIR SAMPLE WAS taken in COMPUTER Rm. INFO CTR.
FROM 11-17-97 - 20:19
TO 11-18-97 - 0700
AIR SAMPLE WAS counted ON BC-4 + Isotopic ANALYSIS was performed
ISO # 012314
T - 18-NOV-97 - 09:22
File #100 - INFO CENTER
No Activity WAS found.

VACUUM USED IN INFO CENTER WAS Surveyed
- No Loose or FIXED Activity WAS detected.

VACUUM BAG WAS confiscated And sent to Restricted AREA For Isotopic Analysis.

Isotopics REVEALED All ACTIVITY to be NATURAL.

INFORMATION CENTER WAS deposted.

Maine Yankee
RELIABLE ELECTRICITY SINCE 1972

MAINE YANKEE GENERAL SURVEY RECORD FORM

Map#: MSC-001 / Revision#: 00	Date: 11-18-97	Time: 0830	Reactor Pwr %: SD	Tech File Number: N/A	RWP's Used: 97-00001	Dose Received: 0 mR

Surveyor Name: (Printed): Johndro / Timothy HUFF

Surveyor Name: (Signature): Ed Johndro / Timothy Huff

Location/Job Description: Visitor Center
Direct frisk of carpets

[1] Required R.P. Review / Date: Todd Clukey 11/18/97

[2] Required ALARA Supervisor Review / Date

REASON FOR SURVEY
- ☐ ROUTINE[1]
- ☐ JOB-COVERAGE[1]
- ☐ SHIELDING[1,2]
- ☑ OTHER[1] (Specify): _____

INSTRUMENTS USED

MODEL	SERIAL #	CAL DUE	MDA
3	72622-91	2-19-98	1000 dpm
3	72455-91	3-23-98	1000 dpm
	N/A		

CONTAMINATION RESULTS

SAMPLE #	RESULTS	SAMPLE #	RESULTS	SAMPLE #	RESULTS	SAMPLE #	RESULTS
			N/A				

KEY:
- Contact exposure rates denoted by: *
- Smear locations denoted by: ⊙
- Boundaries or barriers denoted by: -x-x-
- Dose rates denoted by: •
- Large area smears denoted by: ☐
- Air sample location denoted by: AS-#

Sample Continuation Sheet Used. ☐ YES

Direct frisk of carpeting in computor rooms, conference room, and main rooms showed ≤ Bkdg except in large computor room (middle of floor) found 3 spots showing 300-600 ccpm direct frisk per probe area. These 3 spots were cut out of carpet and taken into plant to do iso on them. Results will be attached to this survey. Areas were ~ 80% floor surface surveyed.

GAMMA SPECTRUM ANALYSIS

CANBERRA APOGEE V2.4

Canberra Industries, Inc. 18-NOV-97 13:17:45

ANALYSIS PARAMETERS

Spectrum file number	: 100.0	Sample no.	: 1.0
MCA unit number	: 2	ADC unit number	: 3.0
Detector number	: 3	Geometry number	: 2
Search threshold 1	: 2.0	Search threshold 2	: 3.0
Search FROM channel	: 50	Search TO channel	: 4095
Id energy tolerance	: 1.0	Order of background	: linear
Smoothing factor	: 0	Random sum corr	: disabled
GRA parameter	: 0	Baseline channels	: disabled

Confidence threshold index : 0.100
Confidence levels LLD : 1.645 (95.0%) MDA : 1.645 (95.0%)

Analysis library : SPF$LIBRARY:SPFANL.LIB;1
Background subtract : enabled

Sample description : EIF CARPET #1 JM Analyzed by: JNM

mple size : 1.000000E+00 EA Conv. factor : 1.000
candard size : 1.000000E+00 EA

Sample taken on : 18-NOV-97 at 11:30:00
Collect started on : 18-NOV-97 at 13:00:24
Decay time : 90.4 minutes

live time : 1000.0 seconds real time : 1000.0 seconds
dead time : 0.00 %

Energy calibration used done on 11 / 18 / 1997
Efficiency calibration used done on 11 / 15 / 1996

*** P E A K F I T R E P O R T *** 18-NOV-97 13:17:48

	peak no.	nuclide(s)		centroid channel	energy keV	FWHM keV	net area counts	error %	gammas per second	err %
M	1	PB-214	NATURAL	149.46	74.82	1.09	83.4	14.91	4.8	18.
M	2	PB-214		154.02	77.10	1.09	119.2	11.79	6.7	15.
	3	NP-237	EU-155	174.26	87.20	1.18	45.5	21.65	2.2	22.
		NATURAL	CD-109							
	4	NATURAL	NATURAL	372.85	186.30	1.58	89.1	12.65	4.7	13.
B	4				186.30		3.6	16.28		
	5			484.48	242.03	1.28	98.9	12.07	6.8	12.
	6	PB-214		590.91	295.17	1.37	208.6	7.34	17.7	8.
	7	PB-214		704.82	352.05	1.38	327.2	5.73	33.7	6.
	8	BI-214		1219.75	609.28	1.60	233.9	6.79	44.5	7.
	9	BI-214		2242.22	1120.12	1.88	36.4	18.47	13.2	18.

M - Peak is a multiplet
B - Environmental background peak. Will be subtracted from the peak above.

Background subtraction performed using file SPF$DATA:BK0003.MC2
background description: 25K SEC BKG 4/20/97

*** R A D I O N U C L I D E R E P O R T *** 18-NOV-97 13:17:45

mple description :EIF CARPET #1 JM
...alyzed by :JNM

number	nuclide	conf.value	Activity (uCi/EA) measured	decay corrected
1. Fission gases				
		total	0.00E+00	0.00E+00
2. Iodines				
		total	0.00E+00	0.00E+00
3. Particulates				
1	CD-109 ?	0.8936	1.68E-03 +-3.75E-04	1.69E-03 +-3.75E-04
2	EU-155 ?	0.3304	1.78E-04 +-3.97E-05	1.78E-04 +-3.97E-05
3	NP-237 ?	0.6593	4.81E-04 +-1.07E-04	4.81E-04 +-1.07E-04
		total	2.34E-03	2.34E-03

? = nuclides with a common single line, cannot identify which one is present

These peaks were not identified

...mber	channel	energy	peak intensity (gps)		
1	149.5	74.82	4.8239E+00 +-8.93E-01	PB-214	NATURAL
2	154.0	77.10	6.6544E+00 +-1.01E+00	PB-214	
4	372.8	186.30	4.5440E+00 +-6.26E-01	NATURAL	NATURAL
5	484.5	242.03	6.7854E+00 +-8.67E-01		
6	590.9	295.17	1.7689E+01 +-1.44E+00	PB-214	
7	704.8	352.05	3.3667E+01 +-2.19E+00	PB-214	
8	1219.7	609.28	4.4494E+01 +-3.40E+00	BI-214	
9	2242.2	1120.12	1.3225E+01 +-2.47E+00	BI-214	

Errors quoted at 1.000 sigma (68.3%)

*** M D A C A L C U L A T I O N R E P O R T *** 18-NOV-97 13:17:45

. ample description :EIF CARPET #1 JM
Analyzed by :JNM

		measured	decay corrected
		---------- MDA (uCi/EA) ----------	
NA-24	MDA	1.80E-04	1.93E-04
AR-41	MDA	2.07E-04	3.67E-04
CR-51	MDA	8.36E-04	8.38E-04
MN-54	MDA	1.50E-04	1.50E-04
MN-56	MDA	1.11E-04	1.67E-04
CO-57	MDA	5.89E-05	5.89E-05
CO-58	MDA	1.50E-04	1.50E-04
FE-59	MDA	2.56E-04	2.56E-04
CO-60	MDA	1.94E-04	1.94E-04
CU-64	MDA	4.69E-02	5.09E-02
NI-65	MDA	7.78E-04	1.18E-03
ZN-65	MDA	4.82E-04	4.82E-04
SE-75	MDA	9.37E-05	9.38E-05
BR-84	MDA	4.19E-04	3.01E-03
KR-85	MDA	2.59E-02	2.59E-02
SR-85	MDA	1.13E-04	1.13E-04
KR-85M	MDA	7.77E-05	9.80E-05
`-87	MDA	1.81E-04	4.12E-04
.-88	MDA	2.45E-04	3.53E-04
Y-88	MDA	1.50E-04	1.50E-04
RB-88	MDA	6.94E-04	2.35E-02
RB-89	MDA	3.22E-04	1.87E-02
KR-89	MDA	1.29E-03	5.29E+05
Y-91M	MDA	1.27E-04	4.49E-04
SR-91	MDA	5.46E-04	6.10E-04
Y-92	MDA	1.49E-03	2.01E-03
SR-92	MDA	3.30E-04	4.86E-04
Y-93	MDA	1.07E-03	1.19E-03
Y-94	MDA	3.13E-04	8.92E-03
Y-95	MDA	8.53E-04	3.74E-01
NB-95	MDA	2.02E-04	2.03E-04
NB-95M	MDA	3.04E-04	3.08E-04
ZR-95	MDA	2.05E-04	2.05E-04
ZR-97	MDA	2.02E-03	2.15E-03
NB-97	MDA	9.05E-05	2.16E-04
MO-99	MDA	9.98E-04	1.01E-03
TC-99M	MDA	7.03E-05	7.14E-05
MO-101	MDA	3.22E-04	2.35E-02
TC-101	MDA	7.53E-05	6.22E-03
TC-102M	MDA	3.34E-04	6.02E+02
RU-103	MDA	1.20E-04	1.20E-04
TC-104	MDA	1.07E-04	3.41E-03
`H-105	MDA	4.31E-04	4.44E-04
-105	MDA	2.85E-04	3.60E-04
-106	MDA	8.06E-04	8.06E-04
RU-106	MDA	8.06E-04	8.06E-04
AG-108M	MDA	9.91E-05	9.91E-05

CD-109	MDA	2.32E-03	2.32E-03
AG-110M	MDA	9.40E-05	9.40E-05
SN-113	MDA	1.61E-04	1.61E-04
SB-122	MDA	1.86E-04	1.89E-04
-124	MDA	1.37E-04	1.37E-04
-125	MDA	3.79E-04	3.79E-04
-131M	MDA	4.68E-04	4.85E-04
XE-131M	MDA	3.19E-03	3.20E-03
SB-131	MDA	2.98E-04	4.53E-03
I-131	MDA	1.06E-04	1.07E-04
TE-131	MDA	8.74E-05	1.07E-03
I-132	MDA	1.41E-04	2.23E-04
TE-132	MDA	7.92E-05	8.03E-05
BA-133	MDA	3.35E-04	3.35E-04
TE-133	MDA	1.03E-04	1.57E-02
I-133	MDA	1.15E-04	1.20E-04
XE-133M	MDA	7.17E-04	7.31E-04
XE-133	MDA	3.01E-04	3.04E-04
TE-133M	MDA	2.19E-04	6.80E-04
TE-134	MDA	3.32E-04	1.49E-03
I-134	MDA	1.22E-04	4.02E-04
CS-134	MDA	1.57E-04	1.57E-04
I-135	MDA	7.77E-04	9.10E-04
XE-135M	MDA	1.27E-04	7.50E-03
XE-135	MDA	8.69E-05	9.75E-05
CS-136	MDA	1.59E-04	1.60E-04
CS-137	MDA	1.10E-04	1.10E-04
CS-138	MDA	2.16E-04	1.51E-03
XE-138	MDA	2.48E-04	2.09E-02
CS-139	MDA	2.91E-03	2.29E+00
-139	MDA	3.52E-04	7.48E-04
-138M	MDA	1.20E-03	2.91E+06
CE-139	MDA	7.49E-05	7.49E-05
BA-140	MDA	4.48E-04	4.49E-04
LA-140	MDA	2.12E-04	2.12E-04
BA-141	MDA	1.61E-04	4.97E-03
LA-141	MDA	1.02E-02	1.33E-02
CE-141	MDA	1.22E-04	1.22E-04
BA-142	MDA	3.91E-04	1.37E-01
LA-142	MDA	2.54E-04	4.90E-04
CE-143	MDA	4.17E-04	4.30E-04
PR-144	MDA	9.47E-03	9.47E-03
CE-144	MDA	5.12E-04	5.12E-04
PR-146	MDA	2.27E-04	3.09E-03
CE-146	MDA	1.48E-04	1.35E-02
ND-147	MDA	2.77E-04	2.78E-04
PR-147	MDA	3.24E-04	3.25E-02
PM-149	MDA	2.66E-03	2.71E-03
EU-152	MDA	1.83E-04	1.83E-04
HF-181	MDA	1.20E-04	1.20E-04
W-187	MDA	4.32E-04	4.51E-04
HG-203	MDA	1.01E-04	1.01E-04
NP-237	MDA	6.69E-04	6.69E-04
U-237	MDA	2.18E-04	2.19E-04
NP-239	MDA	2.13E-04	2.17E-04
M-241	MDA	3.23E-04	3.23E-04
-154	MDA	1.33E-04	1.33E-04
U-155	MDA	2.47E-04	2.47E-04
NB-94	MDA	1.45E-04	1.45E-04

G A M M A S P E C T R U M A N A L Y S I S

CANBERRA APOGEE V2.4

Canberra Industries, Inc. 18-NOV-97 13:37:59

A N A L Y S I S P A R A M E T E R S

Spectrum file number	: 100.0	Sample no.	: 1.0
MCA unit number	: 2	ADC unit number	: 3.0
Detector number	: 3	Geometry number	: 2
Search threshold 1	: 2.0	Search threshold 2	: 3.0
Search FROM channel	: 50	Search TO channel	: 4095
Id energy tolerance	: 1.0	Order of background	: linear
Smoothing factor	: 0	Random sum corr	: disabled
GRA parameter	: 0	Baseline channels	: disabled

Confidence threshold index : 0.100
Confidence levels LLD : 1.645 (95.0%) MDA : 1.645 (95.0%)

Analysis library : SPF$LIBRARY:SPFANL.LIB;1
Background subtract : enabled

Sample description : EIC SAMPLE #2 JM Analyzed by: JNM

Sample size	: 1.000000E+00 EA	Conv. factor	: 1.000
Standard size	: 1.000000E+00 EA		

Sample taken on : 18-NOV-97 at 11:35:00
Collect started on : 18-NOV-97 at 13:20:37
Decay time : 105.6 minutes

live time	: 1000.0 seconds	real time	: 1000.0 seconds
dead time	: 0.00 %		

Energy calibration used done on 11 / 18 / 1997
Efficiency calibration used done on 11 / 15 / 1996

*** P E A K F I T R E P O R T *** 18-NOV-97 13:37:59

	peak no.	nuclide(s)	centroid channel	energy keV	FWHM keV	net area counts	error %	gammas per second	err %
M	1	PB-214 NATURAL	149.49	74.84	1.09	71.5	16.79	4.1	20.
M	2	PB-214	153.97	77.08	1.09	102.0	13.60	5.7	16.
	3	NATURAL	184.90	92.50	1.31	45.4	23.97	2.1	24.
B	3			92.50		5.6	12.49		
	4	NATURAL NATURAL	372.44	186.10	1.31	105.7	11.92	5.6	12.
B	4			186.10		3.6	16.28		
	5	I-134	471.63	235.61	1.21	20.1	34.84	1.3	35.
	6		484.52	242.05	1.32	86.5	12.58	5.9	13.
	7	PB-214	591.06	295.24	1.39	176.1	8.26	14.9	9.
	8	PB-214	704.53	351.91	1.32	346.7	5.60	35.7	6.
	9	BI-214	1219.81	609.31	1.63	218.6	7.02	41.6	7.
	10	BI-214	2242.49	1120.25	1.97	39.6	17.39	14.4	17.

M - Peak is a multiplet
B - Environmental background peak. Will be subtracted from the peak above.

Background subtraction performed using file SPF$DATA:BK0003.MC2
background description: 25K SEC BKG 4/20/97

*** R A D I O N U C L I D E R E P O R T *** 18-NOV-97 13:37:59

ample description :EIC SAMPLE #2 JM
nalyzed by :JNM

number	nuclide	conf.value	Activity (uCi/EA) measured		decay corrected	
1. Fission gases						
		total	0.00E+00		total	0.00E+00
2. Iodines						
		total	0.00E+00		total	0.00E+00
3. Particulates						
1	NB-95M	0.9991	1.45E-04	+-5.09E-05	1.47E-04	+-5.16E-05
		total	1.45E-04		total	1.47E-04

These peaks were not identified

number	channel	energy	peak intensity (gps)			
1	149.5	74.84	4.1308E+00	+-8.28E-01	PB-214	NATURAL
2	154.0	77.08	5.6917E+00	+-9.46E-01	PB-214	
3	184.9	92.50	1.8798E+00	+-5.20E-01	NATURAL	
4	372.4	186.10	5.4218E+00	+-7.03E-01	NATURAL	NATURAL
6	484.5	242.05	5.9361E+00	+-7.87E-01		
7	591.1	295.24	1.4917E+01	+-1.34E+00	PB-214	
8	704.5	351.91	3.5658E+01	+-2.28E+00	PB-214	
9	1219.8	609.31	4.1589E+01	+-3.26E+00	BI-214	
10	2242.5	1120.25	1.4369E+01	+-2.53E+00	BI-214	

Errors quoted at 1.000 sigma (68.3%)

*** M D A C A L C U L A T I O N R E P O R T *** 18-NOV-97 13:37:59

Sample description :EIC SAMPLE #2 JM
Analyzed by :JNM

		MDA measured (uCi/EA)	MDA decay corrected (uCi/EA)
NA-24	MDA	2.17E-04	2.36E-04
AR-41	MDA	1.81E-04	3.54E-04
CR-51	MDA	8.63E-04	8.65E-04
MN-54	MDA	1.50E-04	1.50E-04
MN-56	MDA	1.45E-04	2.32E-04
CO-57	MDA	7.05E-05	7.05E-05
CO-58	MDA	1.73E-04	1.73E-04
FE-59	MDA	2.23E-04	2.24E-04
CO-60	MDA	2.07E-04	2.07E-04
CU-64	MDA	3.82E-02	4.20E-02
NI-65	MDA	9.61E-04	1.56E-03
ZN-65	MDA	4.82E-04	4.82E-04
SE-75	MDA	1.02E-04	1.02E-04
BR-84	MDA	3.43E-04	3.43E-03
KR-85	MDA	2.96E-02	2.96E-02
SR-85	MDA	1.30E-04	1.30E-04
KR-85M	MDA	8.18E-05	1.07E-04
-87	MDA	2.37E-04	6.18E-04
R-88	MDA	2.61E-04	4.02E-04
Y-88	MDA	1.73E-04	1.73E-04
RB-88	MDA	8.05E-04	4.92E-02
RB-89	MDA	2.82E-04	3.23E-02
KR-89	MDA	1.35E-03	1.55E+07
Y-91M	MDA	1.20E-04	5.24E-04
SR-91	MDA	5.54E-04	6.30E-04
Y-92	MDA	1.28E-03	1.81E-03
SR-92	MDA	3.44E-04	5.39E-04
Y-93	MDA	1.12E-03	1.26E-03
Y-94	MDA	2.27E-04	1.14E-02
Y-95	MDA	8.24E-04	1.01E+00
NB-95	MDA	2.22E-04	2.22E-04
ZR-95	MDA	2.37E-04	2.37E-04
ZR-97	MDA	2.33E-03	2.50E-03
NB-97	MDA	1.37E-04	3.78E-04
MO-99	MDA	1.04E-03	1.05E-03
TC-99M	MDA	7.49E-05	7.63E-05
MO-101	MDA	3.35E-04	5.02E-02
TC-101	MDA	1.01E-04	1.75E-02
TC-102M	MDA	3.85E-04	7.85E+03
RU-103	MDA	1.03E-04	1.04E-04
TC-104	MDA	1.34E-04	7.67E-03
RH-105	MDA	4.36E-04	4.51E-04
U-105	MDA	3.05E-04	4.01E-04
-106	MDA	9.35E-04	9.35E-04
J-106	MDA	9.35E-04	9.35E-04
AG-108M	MDA	1.03E-04	1.03E-04
CD-109	MDA	2.61E-03	2.61E-03

AG-110M	:	MDA	: 1.42E-04	1.42E-04
SN-113	:	MDA	: 1.74E-04	1.74E-04
SB-122	:	MDA	: 1.61E-04	1.64E-04
SB-124	:	MDA	: 1.30E-04	1.30E-04
-125	:	MDA	: 3.71E-04	3.71E-04
E-131M	:	MDA	: 5.41E-04	5.64E-04
E-131M	:	MDA	: 3.29E-03	3.31E-03
SB-131	:	MDA	: 2.98E-04	7.15E-03
I-131	:	MDA	: 1.18E-04	1.19E-04
TE-131	:	MDA	: 8.74E-05	1.63E-03
I-132	:	MDA	: 1.16E-04	1.98E-04
TE-132	:	MDA	: 8.20E-05	8.33E-05
BA-133	:	MDA	: 3.28E-04	3.28E-04
TE-133	:	MDA	: 1.12E-04	4.00E-02
I-133	:	MDA	: 1.25E-04	1.33E-04
XE-133M	:	MDA	: 7.95E-04	8.13E-04
XE-133	:	MDA	: 2.95E-04	2.98E-04
TE-133M	:	MDA	: 1.66E-04	6.21E-04
TE-134	:	MDA	: 3.16E-04	1.82E-03
I-134	:	MDA	: 1.55E-04	6.23E-04
CS-134	:	MDA	: 1.51E-04	1.52E-04
I-135	:	MDA	: 6.61E-04	7.95E-04
XE-135M	:	MDA	: 1.32E-04	1.56E-02
XE-135	:	MDA	: 8.38E-05	9.58E-05
CS-136	:	MDA	: 1.55E-04	1.56E-04
CS-137	:	MDA	: 1.55E-04	1.55E-04
CS-138	:	MDA	: 2.32E-04	2.26E-03
XE-138	:	MDA	: 2.30E-04	4.10E-02
CS-139	:	MDA	: 2.80E-03	6.75E+00
BA-139	:	MDA	: 3.78E-04	9.12E-04
-139M	:	MDA	: 1.29E-03	1.19E+08
-139	:	MDA	: 8.04E-05	8.04E-05
BA-140	:	MDA	: 4.73E-04	4.75E-04
LA-140	:	MDA	: 1.92E-04	1.92E-04
BA-141	:	MDA	: 1.79E-04	9.84E-03
LA-141	:	MDA	: 6.39E-03	8.71E-03
CE-141	:	MDA	: 1.35E-04	1.35E-04
BA-142	:	MDA	: 3.69E-04	3.45E-01
LA-142	:	MDA	: 2.69E-04	5.80E-04
CE-143	:	MDA	: 4.13E-04	4.28E-04
PR-144	:	MDA	: 1.11E-02	1.11E-02
CE-144	:	MDA	: 5.66E-04	5.66E-04
PR-146	:	MDA	: 2.39E-04	5.05E-03
CE-146	:	MDA	: 1.45E-04	2.80E-02
ND-147	:	MDA	: 3.45E-04	3.46E-04
PR-147	:	MDA	: 3.63E-04	7.89E-02
PM-149	:	MDA	: 2.76E-03	2.83E-03
EU-152	:	MDA	: 2.06E-04	2.06E-04
HF-181	:	MDA	: 1.33E-04	1.33E-04
W-187	:	MDA	: 4.85E-04	5.11E-04
HG-203	:	MDA	: 1.04E-04	1.04E-04
NP-237	:	MDA	: 7.49E-04	7.49E-04
U-237	:	MDA	: 2.44E-04	2.46E-04
NP-239	:	MDA	: 2.65E-04	2.71E-04
AM-241	:	MDA	: 3.60E-04	3.60E-04
U-154	:	MDA	: 1.41E-04	1.41E-04
-155	:	MDA	: 2.78E-04	2.78E-04
-94	:	MDA	: 1.38E-04	1.38E-04

GAMMA SPECTRUM ANALYSIS

CANBERRA APOGEE V2.4

Canberra Industries, Inc. 18-NOV-97 14:30:59

ANALYSIS PARAMETERS

Spectrum file number	: 100.0	Sample no.	: 1.0
MCA unit number	: 2	ADC unit number	: 3.0
Detector number	: 3	Geometry number	: 2
Search threshold 1	: 2.0	Search threshold 2	: 3.0
Search FROM channel	: 50	Search TO channel	: 4095
Id energy tolerance	: 1.0	Order of background	: linear
Smoothing factor	: 0	Random sum corr	: disabled
GRA parameter	: 0	Baseline channels	: disabled

Confidence threshold index : 0.100
Confidence levels LLD : 1.645 (95.0%) MDA : 1.645 (95.0%)

Analysis library : SPF$LIBRARY:SPFANL.LIB;1
Background subtract : enabled

Sample description : EIC CARPET #3 JM Analyzed by: JNM

Sample size : 1.000000E+00 EA Conv. factor : 1.000
Standard size : 1.000000E+00 EA

Sample taken on : 18-NOV-97 at 11:40:00
Collect started on : 18-NOV-97 at 14:13:37
Decay time : 153.6 minutes

live time : 1000.0 seconds real time : 1000.0 seconds
dead time : 0.00 %

Energy calibration used done on 11 / 18 / 1997
Efficiency calibration used done on 11 / 15 / 1996

*** P E A K F I T R E P O R T *** 18-NOV-97 14:30:59

	peak no.	nuclide(s)	centroid channel	energy keV	FWHM keV	net area counts	error %	gammas per second	err %
M	1	PB-214 NATURAL	149.36	74.77	1.09	46.7	21.62	2.7	24.1
M	2	PB-214	153.87	77.02	1.09	102.8	12.81	5.7	16.0
	3	NATURAL NATURAL	372.53	186.14	1.28	72.2	15.13	3.8	15.0
B	3			186.14		3.6	16.28		
	4		484.64	242.11	1.49	74.0	13.12	5.1	13.7
	5	PB-214	591.00	295.21	1.41	140.6	9.01	11.9	9.0
	6	PB-214	704.87	352.08	1.48	262.8	6.45	27.0	7.
	7	BI-214	1219.57	609.19	1.70	148.9	8.54	28.3	9.1

M - Peak is a multiplet
B - Environmental background peak. Will be subtracted from the peak above.

Background subtraction performed using file SPF$DATA:BK0003.MCA
background description: 25K SEC BKG 4/20/97

INF: no found peak matched with library lines

*** R A D I O N U C L I D E R E P O R T *** 18-NOV-97 14:30:59

Sample description :EIC CARPET #3 JM
Analyzed by :JNM

number	nuclide	conf.	value	Activity (uCi/EA) measured	decay corrected		

These peaks were not identified

number	channel	energy	peak intensity (gps)			
1	149.4	74.77	2.7027E+00	+-6.56E-01	PB-214	NATURAL
2	153.9	77.02	5.7458E+00	+-9.20E-01	PB-214	
3	372.5	186.14	3.6419E+00	+-5.98E-01	NATURAL	NATURAL
4	484.6	242.11	5.0786E+00	+-6.99E-01		
5	591.0	295.21	1.1910E+01	+-1.15E+00	PB-214	
6	704.9	352.08	2.7050E+01	+-1.94E+00	PB-214	
7	1219.6	609.19	2.8315E+01	+-2.61E+00	BI-214	

Errors quoted at 1.000 sigma (68.3%)

*** M D A C A L C U L A T I O N R E P O R T *** 18-NOV-97 14:30:59

ample description :EIC CARPET #3 JM
Analyzed by :JNM

		measured	decay corrected
		MDA (uCi/EA)	
NA-24	MDA	1.57E-04	1.77E-04
AR-41	MDA	1.99E-04	5.26E-04
CR-51	MDA	8.18E-04	8.20E-04
MN-54	MDA	1.58E-04	1.58E-04
MN-56	MDA	1.54E-04	3.06E-04
CO-57	MDA	6.23E-05	6.24E-05
CO-58	MDA	1.37E-04	1.38E-04
FE-59	MDA	2.05E-04	2.05E-04
CO-60	MDA	2.07E-04	2.07E-04
CU-64	MDA	3.39E-02	3.90E-02
NI-65	MDA	7.24E-04	1.46E-03
ZN-65	MDA	5.74E-04	5.74E-04
SE-75	MDA	7.55E-05	7.56E-05
BR-84	MDA	3.43E-04	9.77E-03
KR-85	MDA	2.50E-02	2.50E-02
SR-85	MDA	1.09E-04	1.09E-04
KR-85M	MDA	7.28E-05	1.08E-04
-87	MDA	1.84E-04	7.43E-04
-88	MDA	2.12E-04	3.96E-04
Y-88	MDA	1.19E-04	1.19E-04
RB-88	MDA	5.50E-04	2.18E-01
RB-89	MDA	2.93E-04	2.89E-01
KR-89	MDA	1.26E-03	5.41E+11
Y-91M	MDA	1.34E-04	1.14E-03
SR-91	MDA	5.71E-04	6.88E-04
Y-92	MDA	1.31E-03	2.17E-03
SR-92	MDA	2.24E-04	4.32E-04
Y-93	MDA	1.07E-03	1.28E-03
Y-94	MDA	2.59E-04	7.70E-02
Y-95	MDA	7.30E-04	2.25E+01
NB-95	MDA	1.89E-04	1.89E-04
NB-95M	MDA	2.90E-04	2.96E-04
ZR-95	MDA	2.44E-04	2.44E-04
ZR-97	MDA	2.02E-03	2.24E-03
NB-97	MDA	9.05E-05	3.96E-04
MO-99	MDA	9.59E-04	9.85E-04
TC-99M	MDA	6.53E-05	6.71E-05
MO-101	MDA	2.69E-04	3.93E-01
TC-101	MDA	8.10E-05	1.46E-01
TC-102M	MDA	3.52E-04	1.50E+07
RU-103	MDA	1.06E-04	1.06E-04
TC-104	MDA	1.05E-04	3.75E-02
H-105	MDA	4.40E-04	4.63E-04
-105	MDA	2.63E-04	3.92E-04
-106	MDA	1.08E-03	1.08E-03
RU-106	MDA	1.08E-03	1.08E-03
AG-108M	MDA	9.73E-05	9.73E-05

CD-109	MDA	2.27E-03	2.27E-03
AG-110M	MDA	9.40E-05	9.40E-05
SN-113	MDA	1.61E-04	1.61E-04
SB-122	MDA	1.46E-04	1.50E-04
-124	MDA	1.27E-04	1.27E-04
-125	MDA	3.23E-04	3.23E-04
-131M	MDA	4.99E-04	5.30E-04
XE-131M	MDA	2.72E-03	2.73E-03
SB-131	MDA	3.48E-04	3.55E-02
I-131	MDA	1.02E-04	1.03E-04
TE-131	MDA	7.78E-05	5.51E-03
I-132	MDA	1.29E-04	2.81E-04
TE-132	MDA	8.31E-05	8.50E-05
BA-133	MDA	3.14E-04	3.14E-04
TE-133	MDA	1.01E-04	5.24E-01
I-133	MDA	1.25E-04	1.36E-04
XE-133M	MDA	7.12E-04	7.36E-04
XE-133	MDA	2.82E-04	2.86E-04
TE-133M	MDA	1.84E-04	1.26E-03
TE-134	MDA	2.89E-04	3.70E-03
I-134	MDA	1.64E-04	1.24E-03
CS-134	MDA	1.67E-04	1.67E-04
I-135	MDA	5.80E-04	7.59E-04
XE-135M	MDA	1.15E-04	1.18E-01
XE-135	MDA	6.53E-05	7.93E-05
CS-136	MDA	1.62E-04	1.63E-04
CS-137	MDA	1.37E-04	1.37E-04
CS-138	MDA	2.47E-04	6.75E-03
XE-138	MDA	2.40E-04	4.50E-01
CS-139	MDA	2.91E-03	2.42E+02
-139	MDA	3.00E-04	1.08E-03
-138M	MDA	1.11E-03	9.83E+12
CE-139	MDA	6.39E-05	6.40E-05
BA-140	MDA	4.21E-04	4.23E-04
LA-140	MDA	1.08E-04	1.08E-04
BA-141	MDA	1.40E-04	4.75E-02
LA-141	MDA	7.55E-03	1.18E-02
CE-141	MDA	1.17E-04	1.17E-04
BA-142	MDA	3.76E-04	7.90E+00
LA-142	MDA	2.27E-04	6.92E-04
CE-143	MDA	3.55E-04	3.75E-04
PR-144	MDA	8.36E-03	8.37E-03
CE-144	MDA	4.44E-04	4.44E-04
PR-146	MDA	1.89E-04	1.60E-02
CE-146	MDA	1.57E-04	3.33E-01
ND-147	MDA	3.00E-04	3.02E-04
PR-147	MDA	3.59E-04	9.01E-01
PM-149	MDA	2.38E-03	2.46E-03
EU-152	MDA	1.87E-04	1.87E-04
HF-181	MDA	1.07E-04	1.08E-04
W-187	MDA	4.32E-04	4.65E-04
HG-203	MDA	8.97E-05	8.98E-05
NP-237	MDA	6.30E-04	6.30E-04
U-237	MDA	1.87E-04	1.89E-04
NP-239	MDA	2.04E-04	2.11E-04
M-241	MDA	2.91E-04	2.91E-04
-154	MDA	1.33E-04	1.33E-04
J-155	MDA	2.33E-04	2.33E-04
NB-94	MDA	1.32E-04	1.32E-04

*** P E A K F I T R E P O R T *** 17-NOV-97 17:47:16

	peak no.	nuclide(s)		centroid channel	energy keV	FWHM keV	net area counts	error %	gammas per second	err %
	1	NATURAL		126.30	63.27	1.10	497.2	7.39	18.3	22.(
M	2	PB-214	NATURAL	149.44	74.82	1.09	1254.9	3.84	36.3	11.(
M	3	PB-214		154.09	77.13	1.09	2254.8	2.75	62.9	9.(
M	4	CE-144	I-131	161.94	81.05	1.10	56.6	56.10	1.5	56.(
		TL-201	etc.							
M	5			167.47	83.81	1.10	277.3	12.10	7.1	13.(
M	6	NP-237	EU-155	174.37	87.25	1.10	737.4	5.35	18.2	7.(
		NATURAL	CD-109							
M	7			179.63	89.88	1.10	334.0	10.12	8.0	11.(
M	8	NATURAL		184.95	92.54	1.11	1281.6	3.72	30.2	5.(
B	8				92.54		11.1	12.49		
	9	NP-239		197.20	98.65	1.44	160.2	16.66	3.6	17.(
	10			226.19	113.11	0.88	117.5	22.48	2.5	22.(
	11	NATURAL		288.17	144.04	1.27	262.0	11.31	5.8	11.(
	12	XE-138		308.26	154.07	1.03	106.5	25.24	2.4	25.(
	13			346.83	173.32	0.79	24.7	94.08	0.6	94.(
	14	NATURAL	NATURAL	372.30	186.03	1.26	1818.7	2.78	48.3	4.(
B	14				186.03		7.2	16.28		
	15	I-134		472.22	235.92	1.14	149.9	15.07	5.0	15.(
	16			484.44	242.02	1.22	1707.6	2.73	58.6	4.(
M	17			538.80	269.16	1.26	160.2	13.33	6.1	13.(
M	18			543.06	271.28	1.26	109.2	18.78	4.2	19.(
	19	PB-214		591.05	295.25	1.32	3501.1	1.80	148.3	4.(
	20	PB-214		704.63	351.96	1.35	5499.5	1.41	282.9	3.(
	21			778.86	389.04	1.41	86.8	19.55	5.0	19.(
M	22	KR-87		804.52	401.85	1.37	63.5	25.01	3.8	25.(
M	23	I-134		810.90	405.04	1.37	66.5	24.96	4.0	25.(
	24	BI-214		1219.84	609.34	1.56	3810.5	1.67	362.5	3.(
	25	CE-143		1331.75	665.26	1.78	123.6	11.49	12.9	11.(
	26			1365.61	682.17	1.39	24.2	39.15	2.6	39.(
	27	NB-94		1406.81	702.76	1.64	46.2	24.52	5.1	24.(
	28			1537.99	768.31	1.76	318.9	6.39	39.0	7.(
	29	BI-212		1573.15	785.88	1.94	66.9	17.93	8.4	18.(
	30			1614.02	806.30	1.69	71.9	17.06	9.3	17.(
	31	Y-92		1869.62	934.02	1.97	147.7	10.10	22.2	10.(
	32	NATURAL		2004.25	1001.29	1.90	66.0	17.18	10.7	17.(
	33	BI-214		2242.58	1120.35	2.06	703.8	3.98	127.7	4.(
	34			2311.91	1154.98	1.97	79.1	14.58	14.8	14.(
	35	BI-214	CO-56	2478.57	1238.21	2.05	258.2	6.94	51.8	7.(
	36			2564.32	1281.03	2.01	67.3	16.29	14.0	16.(
	37	BI-214		2757.89	1377.67	2.08	150.1	9.72	33.5	10.(
M	38			2806.09	1401.72	2.07	45.7	20.83	10.4	21.(
M	39	EU-152		2818.39	1407.86	2.08	105.9	11.65	24.2	12.(
	40			3021.17	1509.04	1.86	89.3	13.22	21.8	13.(
	41			3462.45	1729.07	2.62	93.5	11.54	26.1	12.(
	42	BI-214		3532.33	1763.89	2.59	402.5	5.14	114.6	6.(
	43			3698.09	1846.45	2.34	60.3	14.51	17.9	15.(

M - Peak is a multiplet
B - Environmental background peak. Will be subtracted from the peak above.

Background subtraction performed using file SPF$DATA:BK0003.MCA
background description: 25K SEC BKG 4/20/97

GAMMA SPECTRUM ANALYSIS

CANBERRA APOGEE V2.4

Canberra Industries, Inc. 17-NOV-97 17:47:16

ANALYSIS PARAMETERS

Spectrum file number	: 100.0	Sample no.	: 1.0
MCA unit number	: 2	ADC unit number	: 3.0
Detector number	: 3	Geometry number	: 2
Search threshold 1	: 2.0	Search threshold 2	: 3.0
Search FROM channel	: 50	Search TO channel	: 4095
Id energy tolerance	: 1.0	Order of background	: linear
Smoothing factor	: 0	Random sum corr	: disabled
GRA parameter	: 0	Baseline channels	: disabled

Confidence threshold index : 0.100
Confidence levels LLD : 1.645 (95.0%) MDA : 1.645 (95.0%)

Analysis library : SPF$LIBRARY:SPFANL.LIB;1
Background subtract : enabled

Sample description : INFO CENTER Analyzed by: S
Sample #1

Sample size : 1.000000E+00 EA Conv. factor : 1.000
Standard size : 1.000000E+00 EA

Sample taken on : 17-NOV-97 at 17:00:00
Collect started on : 17-NOV-97 at 17:15:00
Decay time : 15.0 minutes

live time : 2000.0 seconds real time : 2003.0 seconds
dead time : 0.15 %

Energy calibration used done on 11 / 17 / 1997
Efficiency calibration used done on 11 / 15 / 1996

*** R A D I O N U C L I D E R E P O R T *** 17-NOV-97 17:47:16

mple description :INFO CENTER
..nalyzed by :S

number	nuclide	conf.value	Activity (uCi/EA) measured	decay corrected
1. Fission gases				
1	KR-87	0.5995	2.40E-04 +-6.05E-05	2.75E-04 +-6.94E-05
		total	2.40E-04	total 2.75E-04
2. Iodines				
		total	0.00E+00	total 0.00E+00
3. Particulates				
2	Y-92	0.2719	4.56E-03 +-4.75E-04	4.79E-03 +-4.98E-04
3	NB-94	0.1969	1.39E-04 +-3.44E-05	1.39E-04 +-3.44E-05
4	NB-95M	0.9918	5.43E-04 +-8.49E-05	5.44E-04 +-8.51E-05
5	CD-109 ?	0.9072	1.37E-02 +-1.01E-03	1.37E-02 +-1.01E-03
6	EU-155 ?	0.3185	1.45E-03 +-1.07E-04	1.45E-03 +-1.07E-04
7	NP-237 ?	0.6472	3.90E-03 +-2.89E-04	3.90E-03 +-2.89E-04
		total	2.42E-02	total 2.45E-02

= nuclides with a common single line, cannot identify which one is present

These peaks were not identified

number	channel	energy	peak intensity (gps)	
1	126.3	63.27	1.8296E+01 +-4.08E+00	NATURAL
2	149.4	74.82	3.6290E+01 +-4.22E+00	PB-214 NATURAL
3	154.1	77.13	6.2878E+01 +-6.24E+00	PB-214
4	161.9	81.05	1.4965E+00 +-8.47E-01	CE-144 I-131 TL-201
5	167.5	83.81	7.0889E+00 +-9.66E-01	
7	179.6	89.88	8.0426E+00 +-8.90E-01	
8	185.0	92.54	2.9942E+01 +-1.65E+00	NATURAL
9	197.2	98.65	3.6301E+00 +-6.20E-01	NP-239
10	226.2	113.11	2.5327E+00 +-5.79E-01	
11	288.2	144.04	5.7946E+00 +-6.89E-01	NATURAL
12	308.3	154.07	2.4342E+00 +-6.21E-01	XE-138
13	346.8	173.32	6.1598E-01 +-5.80E-01	
14	372.3	186.03	4.8069E+01 +-2.31E+00	NATURAL NATURAL
16	484.4	242.02	5.8563E+01 +-2.92E+00	
17	538.8	269.16	6.1421E+00 +-8.53E-01	
18	543.1	271.28	4.2242E+00 +-8.10E-01	
19	591.0	295.25	1.4833E+02 +-5.94E+00	PB-214
20	704.6	351.96	2.8289E+02 +-9.64E+00	PB-214
21	778.9	389.04	4.9962E+00 +-9.89E-01	
23	810.9	405.04	4.0036E+00 +-1.01E+00	I-134
24	1219.8	609.34	3.6251E+02 +-1.41E+01	BI-214
25	1331.8	665.26	1.2947E+01 +-1.55E+00	CE-143
26	1365.6	682.17	2.6076E+00 +-1.02E+00	

28	1538.0	768.31	3.9048E+01	+-2.74E+00		
29	1573.1	785.88	8.3944E+00	+-1.52E+00	BI-212	
30	1614.0	806.30	9.2722E+00	+-1.60E+00		
32	2004.3	1001.29	1.0685E+01	+-1.85E+00	NATURAL	
33	2242.6	1120.35	1.2773E+02	+-6.17E+00	BI-214	
34	2311.9	1154.98	1.4809E+01	+-2.20E+00		
35	2478.6	1238.21	5.1840E+01	+-3.91E+00	BI-214	CO-56
36	2564.3	1281.03	1.3971E+01	+-2.31E+00		
37	2757.9	1377.67	3.3514E+01	+-3.41E+00	BI-214	
38	2806.1	1401.72	1.0380E+01	+-2.18E+00		
39	2818.4	1407.86	2.4155E+01	+-2.91E+00	EU-152	
40	3021.2	1509.04	2.1820E+01	+-2.96E+00		
41	3462.4	1729.07	2.6093E+01	+-3.13E+00		
42	3532.3	1763.89	1.1457E+02	+-7.14E+00	BI-214	
43	3698.1	1846.45	1.7943E+01	+-2.71E+00		

Errors quoted at 1.000 sigma (68.3%)

*** N E W 1 0 C F R 2 0 R E P O R T *** 17-NOV-97 17:47:16

I n h a l a t i o n D A C V a l u e s

nuclide	activity uCi/EA	Inhalation DAC uCi/ML	fraction of Inhalation DAC
KR-87	2.7510E-04	5.0000E-06	5.5020E+01
Y-92	4.7904E-03	3.0000E-06	1.5968E+03
NB-95M	5.4383E-04	9.0000E-07	6.0426E+02
NB-94	no entry in the library!		
		total	2.2561E+03

GAMMA SPECTRUM ANALYSIS

CANBERRA APOGEE V2.4

Canberra Industries, Inc. 18-NOV-97 06:58:28

ANALYSIS PARAMETERS

Spectrum file number	: 100.0	Sample no.	: 1.0
MCA unit number	: 1	ADC unit number	: 2.0
Detector number	: 2	Geometry number	: 2
Search threshold 1	: 2.0	Search threshold 2	: 3.0
Search FROM channel	: 50	Search TO channel	: 4095
Id energy tolerance	: 0.7	Order of background	: linear
Smoothing factor	: 0	Random sum corr	: disabled
GRA parameter	: 0	Baseline channels	: disabled

Confidence threshold index : 0.100
Confidence levels LLD : 1.645 (95.0%) MDA : 1.645 (95.0%)

Analysis library : SPF$LIBRARY:SPFANL.LIB;1
Background subtract : enabled

Sample description : INFO CTR S-1 Analyzed by: ELM

Sample size : 1.000000E+00 EA Conv. factor : 1.000
Standard size : 1.000000E+00 EA

Sample taken on : 17-NOV-97 at 17:00:00
Collect started on : 18-NOV-97 at 06:06:12
Decay time : 786.2 minutes

live time : 3000.0 seconds real time : 3011.0 seconds
dead time : 0.37 %

Energy calibration used done on 11 / 16 / 1997
Efficiency calibration used done on 11 / 7 / 1996

*** P E A K F I T R E P O R T *** 18-NOV-97 06:58:28

	ak no.	nuclide(s)		centroid channel	energy keV	FWHM keV	net area counts	error %	gammas per second	error %
	1			93.51	46.45	1.06	1626.5	4.31	32.5	48.17
	2	NATURAL		106.96	53.18	0.94	747.0	8.57	12.2	35.89
	3	NATURAL		127.09	63.25	1.07	4949.6	2.00	66.3	21.11
	4			135.54	67.48	1.12	594.0	11.18	7.5	20.13
M	5	PB-214	NATURAL	150.06	74.74	1.05	10541.6	1.21	122.5	11.07
M	6	PB-214		154.60	77.01	1.06	18597.8	0.83	212.0	9.62
M	7	AG-108M		159.00	79.22	1.06	1499.2	4.91	16.8	9.69
M	8	BA-133	XE-133	162.68	81.06	1.06	1392.4	5.27	15.4	9.12
M	9			168.24	83.84	1.06	3368.0	2.66	36.6	6.80
M	10	NP-237	EU-155 NATURAL	174.78	87.11	1.06	6053.2	1.72	64.7	5.44
M	11			180.34	89.89	1.07	2469.7	3.15	26.1	5.48
M	12	NATURAL		185.55	92.50	1.07	9569.7	1.20	100.2	4.22
B	12				92.50		12.8	14.10		
M	13			190.36	94.90	1.07	1065.6	5.77	11.1	6.92
M	14			197.35	98.40	1.07	936.3	6.43	9.7	7.42
	15			225.86	112.67	1.00	508.1	10.96	5.2	11.74
	16	NATURAL		288.23	143.88	1.12	1575.5	4.18	17.4	5.54
	17	XE-138		308.86	154.20	1.11	839.3	7.09	9.7	7.97
	18	BA-140 XE131M	NATURAL	327.15	163.35	1.08	522.5	10.69	6.3	11.55
	19	NATURAL	NATURAL	372.44	186.01	1.19	12180.3	1.02	162.0	4.02
	19				186.01		6.9	22.04		
	20	KR-88		392.71	196.15	0.93	176.0	27.37	2.4	27.65
	21			411.09	205.35	1.26	497.6	9.83	7.2	10.64
	22	I-134		472.40	236.03	1.18	955.3	5.32	15.6	6.77
	23			484.36	242.01	1.18	11098.3	1.04	185.4	4.29
M	24			512.53	256.11	1.18	524.2	8.18	9.2	9.13
M	25	XE-138		517.91	258.80	1.18	721.0	6.40	12.8	7.56
M	26			539.01	269.35	1.19	1140.3	4.35	21.1	5.84
M	27			543.04	271.37	1.19	814.7	5.52	15.2	6.74
M	28			549.50	274.61	1.19	376.0	10.76	7.1	11.42
	29	PM-149		572.42	286.07	1.21	124.3	29.21	2.4	29.44
	30	PB-214		590.65	295.20	1.21	22864.2	0.69	462.2	3.62
?	31	NATURAL		600.28	300.01	1.08	249.1	15.35	5.1	15.75
	32			648.00	323.89	1.01	269.5	13.29	6.0	13.68
	33			660.06	329.93	1.32	254.4	14.02	5.7	14.38
	34	PB-214		704.00	351.91	1.29	37934.3	0.53	914.9	3.13
M	35			773.62	386.75	1.27	245.1	13.98	6.5	14.31
M	36			777.78	388.83	1.27	298.5	12.16	8.0	12.55
M	37	KR-87		804.06	401.98	1.28	394.4	9.52	10.9	10.01
M	38	I-134		810.66	405.29	1.28	235.0	16.11	6.5	16.40
	39	XE-137		909.93	454.96	1.18	180.4	16.47	5.7	16.80
	40			961.13	480.58	1.40	267.9	11.01	8.9	11.53
	41	TE-129		974.38	487.21	1.29	276.8	10.85	9.3	11.38
	42			1019.31	509.70	1.31	139.8	18.29	4.9	18.62
	43			1067.51	533.82	1.78	167.7	15.06	6.2	15.47
	44			1160.17	580.18	1.24	170.0	14.87	6.8	15.28
	45	BI-214		1218.43	609.34	1.40	25049.9	0.65	1060.0	3.53
	46			1330.76	665.54	1.38	677.0	4.88	31.3	5.89
	47	NB-94		1405.93	703.15	1.74	223.5	10.93	10.9	11.37
	48			1439.31	719.86	1.48	189.0	12.45	9.4	12.82

	49		1467.89	734.16	1.34	40.9	46.87	2.1	46.97
	50	ZR-97	1485.14	742.79	1.66	151.6	14.86	7.8	15.16
	51		1505.03	752.74	1.53	87.4	23.15	4.6	23.33
	52		1536.37	768.42	1.50	2177.9	2.41	116.1	3.74
	53	BI-212	1571.36	785.93	1.46	520.9	5.94	28.4	6.56
	54		1597.07	798.79	1.41	45.2	43.38	2.5	43.47
	55		1612.02	806.27	1.57	530.3	5.80	29.6	6.41
	56		1642.10	821.32	1.47	87.4	24.41	5.0	24.55
	57		1677.51	839.04	1.50	225.1	11.12	13.1	11.43
	58	Y-92	1867.62	934.15	1.56	1079.3	3.70	69.6	4.45
	59	EU-152	1927.36	964.04	1.32	128.1	17.02	8.5	17.20
	60	NATURAL	2001.56	1001.16	1.63	302.3	8.44	20.8	8.80
	61		2103.20	1052.01	1.72	139.9	14.13	10.1	14.36
	62		2139.91	1070.37	1.61	75.2	24.19	5.5	24.33
	63	BI-214	2239.92	1120.39	1.70	4881.2	1.50	373.5	3.10
	64		2309.74	1155.32	1.75	558.0	5.21	43.9	5.91
	65		2363.61	1182.26	1.86	94.2	19.21	7.6	19.42
	66		2414.96	1207.94	1.70	94.2	19.53	7.7	19.74
	67	BI-214 CO-56	2475.51	1238.22	1.82	1690.0	2.65	142.0	3.95
	68		2560.93	1280.94	1.84	417.5	6.16	36.2	6.84
	69	BI-214	2754.51	1377.74	1.87	1243.5	3.14	115.3	4.35
	70		2769.41	1385.19	2.02	185.3	10.70	17.3	11.11
M	71		2802.08	1401.52	1.84	305.0	7.58	28.7	8.16
M	72	EU-152	2815.23	1408.09	1.84	634.9	4.73	60.0	5.60
	73		3017.45	1509.19	1.82	571.9	5.14	57.6	5.92
	74		3086.33	1543.62	1.85	98.4	18.69	10.1	18.92
	75		3165.47	1583.17	1.94	193.7	9.75	20.4	10.18
	76		3197.74	1599.30	1.81	48.9	30.09	5.2	30.24
	77		3321.52	1661.16	2.19	234.8	7.86	25.9	8.42
	78		3458.37	1729.53	1.94	847.8	3.62	96.9	4.89
	79	BI-214	3528.11	1764.37	2.07	3609.2	1.69	420.0	3.88
	80		3675.85	1838.17	2.28	63.9	18.00	7.7	18.47
	81		3693.98	1847.23	2.00	503.2	4.85	61.1	6.42

M - Peak is a multiplet
? - Poor goodness-of-fit value.
B - Environmental background peak. Will be subtracted from the peak above.

Background subtraction performed using file SPF$DATA:BK0002.MC1
background description: 25K LUB OIL BLK 11/1

*** R A D I O N U C L I D E R E P O R T *** 18-NOV-97 06:58:28

Sample description :INFO CTR S-1
Analyzed by :ELM

number	nuclide	conf.value	Activity (uCi/EA) measured	Activity (uCi/EA) decay corrected
1. Fission gases				
1	KR-87	0.3498	7.41E-04 +-7.42E-05	9.37E-01 +-9.38E-02
5	XE-131M	0.9257	8.68E-03 +-1.00E-03	8.97E-03 +-1.04E-03
6	XE-133	0.9991	1.14E-03 +-1.04E-04	1.22E-03 +-1.11E-04
		total	1.06E-02	total 9.47E-01
2. Iodines				
		total	0.00E+00	total 0.00E+00
3. Particulates				
2	Y-92	0.2620	1.47E-02 +-6.52E-04	1.91E-01 +-8.48E-03
3	NB-94	0.1390	2.96E-04 +-3.36E-05	2.96E-04 +-3.36E-05
4	NB-95M	0.9741	1.69E-03 +-1.15E-04	1.88E-03 +-1.27E-04
7	PM-149	0.9993	2.32E-03 +-6.84E-04	2.76E-03 +-8.11E-04
8	EU-155 ?	0.3255	5.15E-03 +-2.80E-04	5.15E-03 +-2.80E-04
9	NP-237 ?	0.6537	1.39E-02 +-7.55E-04	1.39E-02 +-7.55E-04
		total	3.80E-02	total 2.15E-01

? = nuclides with a common single line, cannot identify which one is present

These peaks were not identified

number	channel	energy	peak intensity (gps)		
1	93.5	46.45	3.2450E+01 +-1.56E+01		
2	107.0	53.18	1.2240E+01 +-4.39E+00	NATURAL	
3	127.1	63.25	6.6258E+01 +-1.40E+01	NATURAL	
4	135.5	67.48	7.4817E+00 +-1.51E+00		
5	150.1	74.74	1.2254E+02 +-1.36E+01	PB-214	NATURAL
6	154.6	77.01	2.1195E+02 +-2.04E+01	PB-214	
7	159.0	79.22	1.6797E+01 +-1.63E+00	AG-108M	
9	168.2	83.84	3.6623E+01 +-2.49E+00		
11	180.3	89.89	2.6102E+01 +-1.43E+00		
12	185.5	92.50	1.0010E+02 +-4.23E+00	NATURAL	
13	190.4	94.90	1.1086E+01 +-7.67E-01		
14	197.3	98.40	9.6679E+00 +-7.17E-01		
15	225.9	112.67	5.2141E+00 +-6.12E-01		
16	288.2	143.88	1.7446E+01 +-9.66E-01	NATURAL	
17	308.9	154.20	9.6924E+00 +-7.73E-01	XE-138	
19	372.4	186.01	1.6192E+02 +-6.51E+00	NATURAL	NATURAL
[illegible]	392.7	196.15	2.4445E+00 +-6.76E-01	KR-88	
	411.1	205.35	7.1798E+00 +-7.64E-01		
[illegible]3	484.4	242.01	1.8541E+02 +-7.95E+00		
24	512.5	256.11	9.2350E+00 +-8.43E-01		
25	517.9	258.80	1.2829E+01 +-9.70E-01	XE-138	

26	539.0	269.35	2.1081E+01	+-1.23E+00	
27	543.0	271.37	1.5170E+01	+-1.02E+00	
28	549.5	274.61	7.0819E+00	+-8.09E-01	
[illegible]	590.7	295.20	4.6222E+02	+-1.68E+01	PB-214
[illegible]	600.3	300.01	5.1177E+00	+-8.06E-01	NATURAL
[illegible]	648.0	323.89	5.9758E+00	+-8.18E-01	
[illegible]	660.1	329.93	5.7483E+00	+-8.27E-01	
34	704.0	351.91	9.1490E+02	+-2.86E+01	PB-214
35	773.6	386.75	6.5091E+00	+-9.32E-01	
36	777.8	388.83	7.9718E+00	+-1.00E+00	
38	810.7	405.29	6.5500E+00	+-1.07E+00	I-134
39	909.9	454.96	5.6619E+00	+-9.51E-01	XE-137
40	961.1	480.58	8.8972E+00	+-1.03E+00	
41	974.4	487.21	9.3221E+00	+-1.06E+00	TE-129
42	1019.3	509.70	4.9312E+00	+-9.18E-01	
43	1067.5	533.82	6.2036E+00	+-9.60E-01	
44	1160.2	580.18	6.8442E+00	+-1.05E+00	
45	1218.4	609.34	1.0600E+03	+-3.74E+01	BI-214
46	1330.8	665.54	3.1304E+01	+-1.84E+00	
48	1439.3	719.86	9.4481E+00	+-1.21E+00	
49	1467.9	734.16	2.0833E+00	+-9.79E-01	
50	1485.1	742.79	7.8175E+00	+-1.18E+00	ZR-97
51	1505.0	752.74	4.5689E+00	+-1.07E+00	
52	1536.4	768.42	1.1614E+02	+-4.35E+00	
53	1571.4	785.93	2.8398E+01	+-1.86E+00	BI-212
54	1597.1	798.79	2.5044E+00	+-1.09E+00	
55	1612.0	806.27	2.9643E+01	+-1.90E+00	
56	1642.1	821.32	4.9728E+00	+-1.22E+00	
57	1677.5	839.04	1.3081E+01	+-1.49E+00	
[illegible]	1927.4	964.04	8.5090E+00	+-1.46E+00	EU-152
[illegible]	2001.6	1001.16	2.0806E+01	+-1.83E+00	NATURAL
[illegible]	2103.2	1052.01	1.0094E+01	+-1.45E+00	
62	2139.9	1070.37	5.5163E+00	+-1.34E+00	
63	2239.9	1120.39	3.7354E+02	+-1.16E+01	BI-214
64	2309.7	1155.32	4.3943E+01	+-2.60E+00	
65	2363.6	1182.26	7.5793E+00	+-1.47E+00	
66	2415.0	1207.94	7.7295E+00	+-1.53E+00	
67	2475.5	1238.22	1.4195E+02	+-5.60E+00	BI-214 CO-56
68	2560.9	1280.94	3.6183E+01	+-2.47E+00	
69	2754.5	1377.74	1.1527E+02	+-5.01E+00	BI-214
70	2769.4	1385.19	1.7263E+01	+-1.92E+00	
71	2802.1	1401.52	2.8717E+01	+-2.34E+00	
72	2815.2	1408.09	6.0048E+01	+-3.36E+00	EU-152
73	3017.5	1509.19	5.7646E+01	+-3.41E+00	
74	3086.3	1543.62	1.0122E+01	+-1.92E+00	
75	3165.5	1583.17	2.0402E+01	+-2.08E+00	
76	3197.7	1599.30	5.2007E+00	+-1.57E+00	
77	3321.5	1661.16	2.5852E+01	+-2.18E+00	
78	3458.4	1729.53	9.6868E+01	+-4.74E+00	
79	3528.1	1764.37	4.2003E+02	+-1.63E+01	BI-214
80	3675.9	1838.17	7.7229E+00	+-1.43E+00	
81	3694.0	1847.23	6.1102E+01	+-3.92E+00	

Errors quoted at 1.000 sigma (68.3%)

"** M D A C A L C U L A T I O N R E P O R T *** 18-NOV-97 06:58:28

Sample description :INFO CTR S-1
Analyzed by :ELM

		MDA (uCi/EA) measured	decay corrected
NA-24	MDA	2.96E-04	5.42E-04
AR-41	MDA	2.77E-04	3.99E-02
CR-51	MDA	1.49E-03	1.51E-03
MN-54	MDA	2.60E-04	2.60E-04
MN-56	MDA	2.42E-04	8.19E-03
CO-57	MDA	1.24E-04	1.24E-04
CO-58	MDA	2.83E-04	2.84E-04
FE-59	MDA	4.93E-04	4.97E-04
CO-60	MDA	2.84E-04	2.84E-04
CU-64	MDA	6.07E-02	1.24E-01
NI-65	MDA	1.38E-03	5.06E-02
ZN-65	MDA	9.86E-04	9.88E-04
SE-75	MDA	1.87E-04	1.87E-04
BR-84	MDA	6.32E-04	1.75E+04
KR-85	MDA	4.25E-02	4.25E-02
SR-85	MDA	1.86E-04	1.87E-04
KR-85M	MDA	1.63E-04	1.23E-03
[illegible] 9	MDA	5.18E-04	1.27E-02
Y-[illegible]	MDA	2.53E-04	2.54E-04
RB-88	MDA	2.67E-03	5.29E+10
RB-89	MDA	1.14E-03	2.42E+12
KR-89	MDA	6.87E-03	> 1.00E+20
Y-91M	MDA	1.86E-04	1.07E+01
SR-91	MDA	7.99E-04	2.08E-03
SR-92	MDA	5.86E-04	1.67E-02
Y-93	MDA	2.03E-03	4.98E-03
Y-94	MDA	1.04E-03	4.69E+09
Y-95	MDA	4.99E-03	> 1.00E+20
NB-95	MDA	3.87E-04	3.91E-04
ZR-95	MDA	3.96E-04	3.99E-04
ZR-97	MDA	3.37E-03	5.76E-03
NB-97	MDA	1.98E-04	3.80E-01
MO-99	MDA	1.76E-03	2.02E-03
TC-99M	MDA	1.47E-04	1.68E-04
MO-101	MDA	1.80E-03	2.85E+13
TC-101	MDA	4.56E-04	2.12E+13
TC-102M	MDA	1.58E-03	> 1.00E+20
RU-103	MDA	1.89E-04	1.90E-04
TC-104	MDA	4.16E-04	4.95E+09
RH-105	MDA	7.62E-04	9.85E-04
RU-105	MDA	4.57E-04	3.53E-03
RH-106	MDA	1.93E-03	1.93E-03
[illegible] 106	MDA	1.93E-03	1.93E-03
[illegible] 08M	MDA	1.90E-04	1.90E-04
[illegible] 109	MDA	5.31E-03	5.32E-03
AG-110M	MDA	2.06E-04	2.06E-04
SN-113	MDA	2.91E-04	2.92E-04

SB-122	:	MDA	: 2.57E-04	2.96E-04
SB-124	:	MDA	: 2.12E-04	2.13E-04
SB-125	:	MDA	: 6.63E-04	6.63E-04
TE-131M	:	MDA	: 9.24E-04	1.25E-03
[illegible]31	:	MDA	: 1.16E-03	2.18E+07
[illegible]1	:	MDA	: 1.96E-04	2.06E-04
TE-131	:	MDA	: 3.25E-04	9.52E+05
I-132	:	MDA	: 2.48E-04	1.32E-02
TE-132	:	MDA	: 1.44E-04	1.61E-04
BA-133	:	MDA	: 6.73E-04	6.73E-04
TE-133	:	MDA	: 6.27E-04	6.41E+15
I-133	:	MDA	: 2.01E-04	3.10E-04
XE-133M	:	MDA	: 1.26E-03	1.49E-03
TE-133M	:	MDA	: 3.06E-04	5.72E+00
TE-134	:	MDA	: 5.78E-04	2.66E+02
I-134	:	MDA	: 2.51E-04	7.92E+00
CS-134	:	MDA	: 2.68E-04	2.69E-04
I-135	:	MDA	: 1.04E-03	4.13E-03
XE-135M	:	MDA	: 5.38E-04	1.38E+12
XE-135	:	MDA	: 1.39E-04	3.78E-04
CS-136	:	MDA	: 2.41E-04	2.48E-04
CS-137	:	MDA	: 2.54E-04	2.54E-04
CS-138	:	MDA	: 3.89E-04	8.71E+03
XE-138	:	MDA	: 1.28E-03	7.18E+13
CS-139	:	MDA	: 1.89E-02	> 1.00E+20
BA-139	:	MDA	: 7.41E-04	5.22E-01
CS-138M	:	MDA	: 7.94E-03	> 1.00E+20
CE-139	:	MDA	: 1.58E-04	1.58E-04
BA-140	:	MDA	: 7.51E-04	7.73E-04
[illegible]140	:	MDA	: 3.27E-04	3.37E-04
[illegible]41	:	MDA	: 6.82E-04	6.14E+09
LA-141	:	MDA	: 1.13E-02	1.13E-01
CE-141	:	MDA	: 2.69E-04	2.72E-04
BA-142	:	MDA	: 2.57E-03	> 1.00E+20
LA-142	:	MDA	: 3.57E-04	1.08E-01
CE-143	:	MDA	: 9.61E-04	1.27E-03
PR-144	:	MDA	: 1.49E-02	1.49E-02
CE-144	:	MDA	: 1.01E-03	1.01E-03
PR-146	:	MDA	: 7.06E-04	5.13E+06
CE-146	:	MDA	: 7.69E-04	8.17E+13
ND-147	:	MDA	: 7.65E-04	7.92E-04
PR-147	:	MDA	: 1.87E-03	4.73E+14
EU-152	:	MDA	: 3.71E-04	3.71E-04
HF-181	:	MDA	: 2.13E-04	2.15E-04
W-187	:	MDA	: 7.60E-04	1.11E-03
HG-203	:	MDA	: 1.63E-04	1.64E-04
NP-237	:	MDA	: 1.53E-03	1.53E-03
U-237	:	MDA	: 4.53E-04	4.79E-04
NP-239	:	MDA	: 4.72E-04	5.54E-04
AM-241	:	MDA	: 5.07E-04	5.07E-04
EU-154	:	MDA	: 2.63E-04	2.63E-04
EU-155	:	MDA	: 5.22E-04	5.22E-04

GAMMA SPECTRUM ANALYSIS

NBERRA APOGEE V2.4

Canberra Industries, Inc. 19-NOV-97 02:35:23

ANALYSIS PARAMETERS

Spectrum file number	: 100.0	Sample no.	: 1.0
MCA unit number	: 2	ADC unit number	: 3.0
Detector number	: 3	Geometry number	: 2
Search threshold 1	: 2.0	Search threshold 2	: 3.0
Search FROM channel	: 50	Search TO channel	: 4095
Id energy tolerance	: 1.0	Order of background	: linear
Smoothing factor	: 0	Random sum corr	: disabled
GRA parameter	: 0	Baseline channels	: disabled

Confidence threshold index : 0.100
Confidence levels LLD : 1.645 (95.0%) MDA : 1.645 (95.0%)

Analysis library : SPF$LIBRARY:SPFANL.LIB;1
Background subtract : enabled

Sample description : CARPET 2 Analyzed by: ELM

mple size : 1.000000E+00 EA Conv. factor : 1.000
.andard size : 1.000000E+00 EA

Sample taken on : 18-NOV-97 at 07:05:00
Collect started on : 19-NOV-97 at 01:43:58
Decay time : 1119.0 minutes

live time : 3000.0 seconds real time : 3001.0 seconds
dead time : 0.03 %

Energy calibration used done on 11 / 18 / 1997
Efficiency calibration used done on 11 / 15 / 1996

*** P E A K F I T R E P O R T *** 19-NOV-97 02:35:2

	peak no.	nuclide(s)		centroid channel	energy keV	FWHM keV	net area counts	error %	gammas per second	err %
	1	NATURAL		126.44	63.34	1.08	328.3	8.66	8.0	22.
M	2	PB-214	NATURAL	149.39	74.79	1.09	621.7	5.59	12.0	12.
M	3	PB-214		154.11	77.14	1.09	1177.7	3.77	21.9	10.
M	4	BA-133	XE-133	162.24	81.20	1.10	81.2	30.84	1.4	31.
M	5			167.57	83.86	1.10	220.2	12.41	3.8	13.
M	6	NP-237	EU-155	174.20	87.17	1.10	420.4	7.19	6.9	8.
		NATURAL	CD-109							
M	7			179.60	89.86	1.10	173.3	14.79	2.8	15.
M	8	NATURAL		185.06	92.58	1.11	927.1	4.25	14.6	5.
B	8				92.58		16.7	12.49		
	9	NATURAL		288.29	144.10	1.19	192.5	12.01	2.8	12.
	10	NATURAL	NATURAL	372.13	185.95	1.28	1276.9	3.23	22.6	5.
B	10				185.95		10.8	16.28		
	11	I-134		472.45	236.03	1.40	99.9	17.65	2.2	18.
	12			484.50	242.04	1.23	1037.1	3.48	23.7	5.
	13			539.52	269.51	1.76	119.0	14.53	3.0	15.
M	14	PB-214		591.00	295.21	1.28	2093.0	2.31	59.1	4.
M	15	NATURAL		600.11	299.76	1.28	33.7	40.44	1.0	40.
	16	PB-214		704.52	351.90	1.31	3347.8	1.81	114.8	3.
	17	BI-214		1219.77	609.29	1.51	2270.2	2.16	144.0	4.
	18	CE-143	SB-126	1332.35	665.54	1.59	41.2	24.62	2.9	24.
	19			1537.60	768.19	1.75	199.6	8.04	16.3	8.
	20	Y-92		1869.73	934.04	1.88	98.0	12.94	9.8	13.
	21	BI-214		2242.44	1120.23	1.89	429.7	5.18	52.0	5.
	22			2312.52	1155.23	1.84	28.3	30.12	3.5	30.
	23			2329.81	1163.86	2.17	19.2	36.89	2.4	37.
	24	BI-214	CO-56	2478.06	1237.89	1.91	130.1	10.27	17.4	10.
	25			2564.67	1281.13	1.86	34.2	22.53	4.7	22.
	26	BI-214		2757.83	1377.55	2.18	80.0	13.67	11.9	14.
	27			3021.80	1509.24	2.42	56.4	16.41	9.2	16.
	28			3462.14	1728.74	2.67	56.6	15.04	10.5	15.
	29	BI-214		3532.42	1763.75	2.31	281.8	6.20	53.5	7.

M - Peak is a multiplet
B - Environmental background peak. Will be subtracted from the peak above.

Background subtraction performed using file SPF$DATA:BK0003.MCA
background description: 25K SEC BKG 4/20/97

*** R A D I O N U C L I D E R E P O R T *** 19-NOV-97 02:35:23

mple description :CARPET 2
alyzed by :ELM

number	nuclide	conf.	value	measured Activity (uCi/EA)	decay corrected Activity (uCi/EA)
1. Fission gases					
4	XE-133	0.9932		1.05E-04 +-3.34E-05	1.17E-04 +-3.70E-05
			total	1.05E-04	total 1.17E-04
2. Iodines					
			total	0.00E+00	total 0.00E+00
3. Particulates					
1	Y-92	0.2380		2.07E-03 +-2.73E-04	7.98E-02 +-1.05E-02
2	NB-95M	0.9818		2.41E-04 +-4.38E-05	2.80E-04 +-5.09E-05
3	CD-109 ?	0.8869		5.19E-03 +-4.59E-04	5.20E-03 +-4.60E-04
5	EU-155 ?	0.3356		5.50E-04 +-4.86E-05	5.50E-04 +-4.86E-05
6	NP-237 ?	0.6646		1.48E-03 +-1.31E-04	1.48E-03 +-1.31E-04
			total	9.54E-03	total 8.74E-02

= nuclides with a common single line, cannot identify which one is present

These peaks were not identified

number	channel	energy	peak intensity (cps)	
1	126.4	63.34	8.0406E+00 +-1.82E+00	NATURAL
2	149.4	74.79	1.1991E+01 +-1.48E+00	PB-214 NATURAL
3	154.1	77.14	2.1893E+01 +-2.24E+00	PB-214
5	167.6	83.86	3.7513E+00 +-5.22E-01	
7	179.6	89.86	2.7826E+00 +-4.30E-01	
8	185.1	92.58	1.4300E+01 +-8.46E-01	NATURAL
9	288.3	144.10	2.8392E+00 +-3.56E-01	NATURAL
10	372.1	185.95	2.2387E+01 +-1.14E+00	NATURAL NATURAL
12	484.5	242.04	2.3713E+01 +-1.29E+00	
13	539.5	269.51	3.0460E+00 +-4.58E-01	
14	591.0	295.21	5.9107E+01 +-2.52E+00	PB-214
15	600.1	299.76	9.6885E-01 +-3.93E-01	NATURAL
16	704.5	351.90	1.1478E+02 +-4.12E+00	PB-214
17	1219.8	609.29	1.4397E+02 +-5.93E+00	BI-214
18	1332.3	665.54	2.8798E+00 +-7.16E-01	CE-143 SB-126
19	1537.8	768.19	1.6290E+01 +-1.39E+00	
21	2242.4	1120.23	5.1994E+01 +-3.04E+00	BI-214
22	2312.5	1155.23	3.5264E+00 +-1.07E+00	
23	2329.8	1163.86	2.4162E+00 +-8.94E-01	
24	2478.1	1237.89	1.7410E+01 +-1.86E+00	BI-214 CO-56
25	2564.7	1281.13	4.7343E+00 +-1.08E+00	
26	2757.8	1377.55	1.1913E+01 +-1.67E+00	BI-214
27	3021.8	1509.24	9.1898E+00 +-1.53E+00	
28	3462.1	1728.74	1.0532E+01 +-1.62E+00	

29	3532.4	1763.75	5.3470E+01	+-3.81E+00	BI-214

Errors quoted at 1.000 sigma (68.3%)

*** M D A C A L C U L A T I O N R E P O R T *** 19-NOV-97 02:35:23

ample description :CARPET 2
Analyzed by :ELM

		MDA (uCi/EA) measured	decay corrected
NA-24	MDA	1.78E-04	4.22E-04
AR-41	MDA	1.64E-04	1.94E-01
CR-51	MDA	7.67E-04	7.82E-04
MN-54	MDA	1.48E-04	1.48E-04
MN-56	MDA	1.52E-04	2.29E-02
CO-57	MDA	6.08E-05	6.09E-05
CO-58	MDA	1.57E-04	1.58E-04
FE-59	MDA	2.86E-04	2.90E-04
CO-60	MDA	1.75E-04	1.75E-04
CU-64	MDA	3.51E-02	9.72E-02
NI-65	MDA	8.34E-04	1.41E-01
ZN-65	MDA	4.77E-04	4.78E-04
SE-75	MDA	9.00E-05	9.04E-05
BR-84	MDA	3.62E-04	1.42E+07
KR-85	MDA	2.43E-02	2.43E-02
SR-85	MDA	1.06E-04	1.07E-04
KR-85M	MDA	7.45E-05	1.33E-03
-87	MDA	2.11E-04	5.48E+00
-88	MDA	2.37E-04	2.25E-02
Y-88	MDA	1.32E-04	1.32E-04
RB-88	MDA	1.39E-03	1.17E+16
RB-89	MDA	7.15E-04	> 1.00E+20
KR-89	MDA	3.45E-03	> 1.00E+20
Y-91M	MDA	1.06E-04	6.34E+02
SR-91	MDA	4.77E-04	1.86E-03
SR-92	MDA	2.89E-04	3.41E-02
Y-93	MDA	1.09E-03	3.90E-03
Y-94	MDA	5.96E-04	6.14E+14
Y-95	MDA	2.62E-03	> 1.00E+20
NB-95	MDA	1.94E-04	1.97E-04
ZR-95	MDA	2.12E-04	2.13E-04
ZR-97	MDA	1.99E-03	4.28E-03
NB-97	MDA	1.10E-04	5.18E+00
MO-99	MDA	9.51E-04	1.16E-03
TC-99M	MDA	6.88E-05	8.36E-05
MO-101	MDA	8.25E-04	> 1.00E+20
TC-101	MDA	2.15E-04	> 1.00E+20
TC-102M	MDA	9.11E-04	> 1.00E+20
RU-103	MDA	1.03E-04	1.04E-04
TC-104	MDA	2.47E-04	1.01E+15
RH-105	MDA	4.05E-04	5.83E-04
RU-105	MDA	2.59E-04	4.75E-03
H-106	MDA	1.02E-03	1.02E-03
-106	MDA	1.02E-03	1.02E-03
AG-108M	MDA	1.05E-04	1.05E-04
CD-109	MDA	2.65E-03	2.65E-03
AG-110M	MDA	1.14E-04	1.15E-04

SN-113	:	MDA	: 1.52E-04	1.52E-04
SB-122	:	MDA	: 1.52E-04	1.86E-04
SB-124	:	MDA	: 1.14E-04	1.15E-04
SB-125	:	MDA	: 3.58E-04	3.58E-04
-131M	:	MDA	: 4.98E-04	7.66E-04
-131M	:	MDA	: 2.95E-03	3.09E-03
I-131	:	MDA	: 6.70E-04	2.83E+11
I-131	:	MDA	: 1.04E-04	1.12E-04
TE-131	:	MDA	: 1.48E-04	4.41E+09
I-132	:	MDA	: 1.28E-04	3.69E-02
TE-132	:	MDA	: 7.37E-05	8.69E-05
BA-133	:	MDA	: 3.35E-04	3.35E-04
TE-133	:	MDA	: 3.02E-04	> 1.00E+20
I-133	:	MDA	: 1.08E-04	2.01E-04
XE-133M	:	MDA	: 6.91E-04	8.83E-04
TE-133M	:	MDA	: 1.85E-04	2.23E+02
TE-134	:	MDA	: 2.89E-04	3.30E+04
I-134	:	MDA	: 1.57E-04	3.97E+02
CS-134	:	MDA	: 1.67E-04	1.67E-04
I-135	:	MDA	: 5.57E-04	3.94E-03
XE-135M	:	MDA	: 2.98E-04	> 1.00E+20
XE-135	:	MDA	: 7.57E-05	3.13E-04
CS-136	:	MDA	: 1.45E-04	1.51E-04
CS-137	:	MDA	: 1.40E-04	1.40E-04
CS-138	:	MDA	: 2.39E-04	6.91E+06
XE-138	:	MDA	: 6.28E-04	> 1.00E+20
CS-139	:	MDA	: 1.03E-02	> 1.00E+20
BA-139	:	MDA	: 3.36E-04	3.80E+00
CS-138M	:	MDA	: 3.63E-03	> 1.00E+20
CE-139	:	MDA	: 7.14E-05	7.17E-05
-140	:	MDA	: 3.98E-04	4.15E-04
-140	:	MDA	: 1.70E-04	1.78E-04
BA-141	:	MDA	: 3.68E-04	1.01E+15
LA-141	:	MDA	: 6.33E-03	1.68E-01
CE-141	:	MDA	: 1.25E-04	1.27E-04
BA-142	:	MDA	: 1.32E-03	> 1.00E+20
LA-142	:	MDA	: 1.88E-04	6.37E-01
CE-143	:	MDA	: 4.19E-04	6.21E-04
PR-144	:	MDA	: 8.81E-03	8.83E-03
CE-144	:	MDA	: 4.91E-04	4.92E-04
PR-146	:	MDA	: 3.89E-04	4.21E+10
CE-146	:	MDA	: 4.01E-04	> 1.00E+20
ND-147	:	MDA	: 3.72E-04	3.91E-04
PR-147	:	MDA	: 9.40E-04	> 1.00E+20
PM-149	:	MDA	: 2.54E-03	3.24E-03
EU-152	:	MDA	: 1.82E-04	1.82E-04
HF-181	:	MDA	: 1.16E-04	1.17E-04
W-187	:	MDA	: 3.93E-04	6.77E-04
HG-203	:	MDA	: 8.99E-05	9.09E-05
NP-237	:	MDA	: 7.57E-04	7.57E-04
U-237	:	MDA	: 2.29E-04	2.48E-04
NP-239	:	MDA	: 2.33E-04	2.93E-04
AM-241	:	MDA	: 3.35E-04	3.35E-04
EU-154	:	MDA	: 1.30E-04	1.30E-04
EU-155	:	MDA	: 2.60E-04	2.60E-04
B-94	:	MDA	: 1.22E-04	1.22E-04

GAMMA SPECTRUM ANALYSIS

NBERRA APOGEE V2.4

Canberra Industries, Inc. 19-NOV-97 02:35:40

ANALYSIS PARAMETERS

Spectrum file number	: 100.0	Sample no.	: 1.0
MCA unit number	: 2	ADC unit number	: 4.0
Detector number	: 4	Geometry number	: 2
Search threshold 1	: 2.0	Search threshold 2	: 3.0
Search FROM channel	: 50	Search TO channel	: 4095
Id energy tolerance	: 0.8	Order of background	: linear
Smoothing factor	: 0	Random sum corr	: disabled
GRA parameter	: 0	Baseline channels	: disabled

Confidence threshold index : 0.100
Confidence levels LLD : 1.645 (95.0%) MDA : 1.645 (95.0%)

Analysis library : SPF$LIBRARY:SPFANL.LIB;1
Background subtract : enabled

Sample description : CARPET 1 Analyzed by: ELM

mple size : 1.000000E+00 EA Conv. factor : 1.000
tandard size : 1.000000E+00 EA

Sample taken on : 18-NOV-97 at 07:00:00
Collect started on : 19-NOV-97 at 01:43:11
Decay time : 1123.2 minutes

live time : 3000.0 seconds real time : 3003.0 seconds
dead time : 0.10 %

Energy calibration used done on 11 / 18 / 1997
Efficiency calibration used done on 11 / 8 / 1996