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12-44-1 INCIDENT
EVENTS BOARD

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14

Redacted version

MAY 17, 1989

TIME	ACTION/EVENT
1430 - 1445	Incident occurred, Cell 12-44-1 evacuated.
1445	Safety, Jerry Hemphill notified.
1450	Mason & Hanger notified DOE/AAO of alarm in Cell 1 program).
1510	1600 µCi/l Beta in Cell 1; 28 µCi/l Beta in 12-42 ramp/door and muster station.
1515	* Unusual tritium release in Cell 1. * counts up to 1900 (units unknown). * Personnel evacuated to muster stations. * Squib indicates electrically that it did not fire. * Do not know configuration of unit. * Do not know what else is in there.
1525	Plant Manager notified Area Manager of alarm and very quickly advised confirmed tritium dump in Cell 1.
1528	Called AL Manager and advised of incident.
1530	Deputy Area Manager AAO simultaneously notifying the EOC of incident.
1535	Determined possible Plutonium (Pu) release.
1540	Area Manager activated EOC.
1545	Open line established with AL/EOC on constant basis.
1617	Storm warning given to Pantex Plant by weather bureau. Entire Potter County under severe thunderstorm warning moving east at 12 MPH, intense rain and possible large hail.
1625	34 cpm alpha in Cell 1; 1814 µCi/l beta in Cell 1.
1643	Recommended to AL/EOC that off-site agencies be notified.
1650	RAT members dispatched. Taking air, water and soil samples west of Cell 1.
1705	RAT monitored 2 personnel at Medical for alpha. No indication.

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RESTRICTED DATA
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TIME	ACTION/EVENT
1715	Urinalysis Results: 260 µCi/l highest exposure rate. Treatment at 2800 µCi/l.
1720	Decision for 2 people to re-enter Cell 1 to tighten gland nut, take swipes and verify SN's.
1735	Draft press release telecopied to AL Com-Center and AL/EOC.
1754	Amarillo Globe News inquiry (anonymous). Tritium release? AL notified.
1757	ARAC plot enlarged & telecopied to AL/EOC.
1800	Security notified of names of RAT members entering at Station "C". (Tomes/Galloway). AL advised of names.
1820 - 1830	RAT members plan to enter area from 12-42.
1837	RAT entry team enroute to cell from 12-42.
1843	RAT entry team entered cell (Tomes/Galloway).
1849	RAT entry team enter round room.
1851	RAT entry team reports nut being tightened.
1854	RAT entry team exiting cell. Exit confirmed.
1902	Tightened gland nut to 60 Ft-lbs confirmed.
1920	Back up RAT team released to go to Medical.
1926	Swipes reading from first entry (when gland nut tightened):

	Inside RR	On unit
Alpha	0	4.5 dpm
Tritium	15,059 dpm	1,776,353 dpm

1956	Authority to make press release and notify off-site agencies received.
2000	Notified Walt Kelly, Amarillo EOC.
2005	Attempted to notify Judge Roselius, Carson County; not home. (see 2138 entry).
2020	Walt Kelly, Amarillo EOC called back. City Manager and Assistant Manager briefed. No undue concerns, thanked for information.
2025	Attempted to notify Department of Public Safety (DPS); will call back. Did notify them later, sent fax of press release at approximately 2220.

TIME	ACTION/EVENT
2030	Attempted notifying Senator Bentsen. Left information on answering machine.
	Senator Gramm's office (Lindsay Pingmoore) notified.
2040	Report made to Texas Department of Public Health (DPH), Jim Johnson 866-4723.
	Governor's office notified - Robert Lansford.
	Unable to contact Congressman Sarpalius, also at 2130, 2240, 2325. (See also 0741 entry 5/18/89).
2100	Air contamination readings using TRITON 111:

In front of Cell 3:	15 $\mu Ci/m^3$
In front of Cell 2:	25 $\mu Ci/m^3$
In front of Cell 1:	125 $\mu Ci/m^3$
At ramp intersection (12-42 & 12-26)	35 $\mu Ci/m^3$
12-42 door to ramp	28 $\mu Ci/m^3$
Just inside Cell 1 revolving door	20,000 $\mu Ci/m^3$

RAMS Readings:

12-44, Cell 2	Alpha -	0 dpm
	Beta -	50 $\mu Ci/m^3$
12-85	Alpha -	0 dpm
	Beta -	0 $\mu Ci/m^3$

2110	TRITON 111 reading just inside Cell 1 revolving door: $5X10^4$ $\mu Ci/m^3$.
2115	Contacted Jim Fuqua to open new changehouse.
2130	Bob Adcock, Texas Bureau of Radiation Control (BRC) informed of incident.
2138	Notified Judge Roselius, Carson County.
2140	Notified Crafts (Bill Colvin) to bring out people to purge cell.
2225	Crafts personnel to purge cell reported to EOC.
2235	Committee planning purging operation presented details of plan.

R L Burke
EOC MANAGER

----------LAST ENTRY FOR MAY 17, 1989----------

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May 18, 1989

TIME	ACTION/EVENT
0115	Second entry started.
0118	Supply fan on.
0122	Doors open; purging fan running; personnel out. Reading inside 80,000 µCi/m³ @ fan 160,000 µCi/m³ @ round room 300,000 µCi/m³
0146	Decision - no additional readings until purging system shut off.
0330	"Night Shift" assumed the watch.
0430	Second Shift RAT arrived/briefed.
0500	500 µCi/m³ near fan in cell entry way.
0515	First RAT team (second shift) departed EOC to accomplish perimeter monitoring (taking swipes in MAA and PA).
0520	Special reporting instruction bulletins for Plant employees issued to Duty Lt. for distribution to employees only after notification from EOC.
0605	Priority 1 RAT task (taking perimeter swipes) completed.
0620	Swipe readings (north end) received. None above background
0646	Swipe readings (South). None above background. Released bulletins to be distributed.
0741	Congressman Sarpalius notified (Gennina Finstad).
0803	Jerry Burling sending 3 additional Utilities personnel to Medical (they were near the incident). P. Taylor, 7470 B. Bates, 9401 M. Rose, 6893
0810	Entry RAT into Cell 1 (Peacher, Bibles). (readings and secure).
0840	Entry RAT out of Cell 1 (cell not secured).
0852	Readings: Round room 1000 µCi/m³ Inside (fan) 300 µCi/m³ Outside (ram) 50 to 200 µCi/m³

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TIME	ACTION/EVENT
0933	Cell 1 secure (alarm still on access).
1006	Draft issue paper faxed to AL/EOC.
1007	Faxed AL/EOC a list of off-site agencies notified by PX/EOC and time/date of notification. Requested by George Carroll.
0800 - 1200	Briefed Plant employees (Alley, Pierce, Carathers, Lang).
1125	Area Manager briefed BRC on-site representative.
1133	H.E. Fab area released for return to work area.
1405	Faxed Cell schematic to AL/EOC.
1530	AL concurs with venting.
1540	Arranged to have dehumidifier operable 5/19/89.
1621	Draft press release to AL/EOC.
1615	Investigation committee arrived.
1635	AL approved press release submitted at 1610.
1640	Tom Walton, AAO/PAO distributed press release to local media.
1815	RAT entry team plan briefed and approved. Objectives: (1) Swipes and readings. (2) Take video pictures. (3) Change out tritium monitor.
1830	RAT entry team dispatched.
1845	LANL Disassembly Technical Advisors arrived.
1940	RAT entry team preparing to enter cell (currently located in ramp).
1944	RAT entry team in Cell.
1958	Outside (ramp) blower switched on.
1959	Both blowers on.
2000	RAT entry team exiting from Cell.
2001	RAT camera team exiting from Cell.

TIME	ACTION/EVENT
2002	RAT entry team readings: 0* in all locations. *The 0 readings later proved to be the result of an inoperable TRITON 111.

R. L. Burke

EOC MANAGER

----------LAST ENTRY FOR MAY 18, 1989----------

May 19, 1989

TIME	ACTION/EVENT
0750	Investigation committee viewed RAT video of cell (taken last evening).
0800	RAT members assembled; teams assigned and operation plans developed for today's monitoring.
0910	Investigation committee departed EOC; EOC resolution team reconvened. - RAT priorities established, - continue recovery planning and - establish required plans and responsibilities.
0945	A Task assignments table for various plans/operations developed and posted (below).

TASKS	EOC ASSIGNMENT	FIELD RESPONSIBILITY
RAT monitoring	R. L. Burke J. S. McAvey	B.D. Lemons
QA Plan	R. L. Burke	J. C. Drummond J. H. Dennis
Weapon Operations - reservoir recovery	K. T. Pierce R. E. Phillips	J. W. Tomes B. R. Peacher LANL
Weapons Operations - remainder of unit and disposal of parts	M. S. Johnson J. Hood	L. Hoschek J. Brod LANL
Recovery Plan Cell 1	D. L Carathers	R. L. Renne
MAA Plan (except Cell 1)	J. E. Hemphill	W. Laseter

0958	RAT teams dispatched/enroute.
1030	QA plan task force reported on first draft of plan.
1202	RAT teams at 12-42 hotline enroute out of area.
1228	Request to transportation to move reservoir container from 12-36 (south lot) to 12-15 E&TC.
1256	Reservoir container is in E&TC.
1535	RAT team leader and RAT captain briefed EOC on morning operations

TEAM	ACTION/EVENT
1538	Faxed proposed reservoir/actuator removal procedures to AL/EOC for approval.
1556	Faxed requests to SNLA, SNLL, LANL, and LLNL to review all firing mechanisms for electrostatic firing possibilities.
1635	AL approved press release. Update distributed to local media.
1714	Faxed container information to P. Seamster.
1801	Received approval from AL to use reservoir/actuator removal procedures.
1815	EOC issued permission for reservoir/actuator removal team to proceed.
1858	Reservoir/actuator removal team update: enroute to Cell 1.
1905	Cell 1 unlocked, equipment being carried in.
1927	Team in Cell 1 exiting in order to change out SCBA bottles.
1946	Faxed QA Plan to AL.
1952	Item removed from unit, double wrapped, venting process started.
1958	Faxed AAO validation of M&H QA Plan to AL.
2015	High tritium readings reported from team in Cell 1; round room readings off-scale.
2020	Moved all personnel at Station B back to the North due to readings.
2055	Three personnel moved North from 12-26.
2105	Briefings from team to EOC. -removed item that may be leaking. -tritium readings off-scale in round room (RR). -no alpha.
2300	Faxed air monitoring and swipe data to AL.
2315	Faxed 2 revised pages (air monitoring and swipe data) to AL.

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TIME	ACTION/EVENT
2330	Re-entry planning complete. -re-do epoxy on crimped/cut tube. -turn air handler power switches to "hand position". -TRITON 111 monitoring. Dispatched team.
2342	Team inside MW-22 (construction gate).

R. L. Burke

EOC MANAGER

----------LAST ENTRY FOR MAY 19, 1989----------

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May 20, 1989

TIME	ACTION/EVENT
0208	Team tasks completed, returning to EOC.
0230	Team briefings to EOC: -weapon operations complete. -TRITON 111 readings in round room near 10×10^5 $\mu Ci/m^3$. -power switches for Cell 1 air positioned to "auto" and back to "hand" (reset action). Air handlers didn't come on.
0300	Stand down, night operations to include only refueling of compressor unit.
0500	Refueling operation: one TRITON 111 reading taken at doorway into ramp: 2 $\mu Ci/m^3$.
0630	Security Duty Captain called to question Dave Montgomery (previously granted permission) hunting snakes in South Playa lakes. Decided no.
1203	Utilities reports their monitor indicates air flow in Cell 1.
1330	The following TRITON 111 readings were reported from the RAT team in the vicinity of Cell 1: 8 $\mu Ci/m^3$ - 12-42 10 $\mu Ci/m^3$ - intersection 175 $\mu Ci/m^3$ - in front of Cell 1 6000 $\mu Ci/m^3$ - round room
1500	Reviewed criteria for resuming normal operations.
1530	Discontinued special venting operations and secured cell.
1600	Second shift arrived and was briefed by Dr. Alley.
1630	Cell 1 TRITON 111 reading 700 $\mu Ci/m^3$ in round room; Swipes taken.
1640	All criteria is being met. AAO says all is a go.

R. L. Bush
EOC MANAGER

----------LAST ENTRY FOR MAY 20, 1989----------

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May 21, 1989

TIME	ACTION/EVENT
1045	Monitored airborne contamination in Cell 1, 700 $\mu Ci/m^3$.
1055	Equipment doors opened, venting fan units started.
1420	Bob Chandler SRO was requested to provide 2 or 3 personnel to assist in planning operations on-site.
1515	Cell 1 TRITON 111 readings: Main round room - 1,400 $\mu Ci/m^3$ (with fan on). Top edge of weapon - 160,000 $\mu Ci/m^3$.
1845	Area Manager DAO was requested to provide 2 or 3 EG&G personnel to assist in planning operations on-site.
2000	Cell 1 TRITON 111 readings: Main round room - 1,100 $\mu Ci/m^3$ (with fan off). Top edge of unit - 4,000 $\mu Ci/m^3$.
2030	Venting operations ceased. Fans off. Cell secure.

R. L. Burke
EOC MANAGER

----------LAST ENTRY FOR MAY 21, 1989----------

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May 22, 1989

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TIME	ACTION/EVENT
0600	Health Physics technicians read swipes taken in the vicinity of Cell 1 at 2030 on 5/21/89, swipes exceeded permissible limits.
0730	Health Physics technicians set up check point to restrict access into area with readings out of permissible limits.
0755	MAA access temporarily suspended in order to station Security Inspectors in 12-42 ramp, 12-26 ramp and 12-44 ramp (between Cells 3 and 4).
0830	MAA access reinstated. Security Inspectors positioned as described above* to keep personnel out of Cells 1, 2, and 3 and Buildings 12-58, 12-71 and 12-95. *This became known as the "Bubble Area" or "Cordoned Area".
0835	Following readings telephonically given to Steve Guidice, CM/AL:

12-58	Ramp floor	3570.07 dpm/cm²
12-60	RAM	503.73 dpm/cm²
12-81		174.71 dpm/cm²
12-71	Ramp	1769.53 dpm/cm²
12-26	Straddle	174.24 dpm/cm²
12-48		1584.9 dpm/cm²
12-42	Middle	243.81 dpm/cm²

0945	Updated readings provided to Steve Guidice (above). Also discussed permissible limit of 1000 dpm/cm² was a conservative figure.
0948	Telecopied copy of 12-26 (south) map to AL. Restricted area marked on map, plus legend indicating restricted structures by building number.
0950	Readings telecopied to AL/Crisis Manager (see 0835) plus additional data (below) telecopied to Gene Runkle: (0915) readings)

Cell 1, left wall near personnel entry	- 458.24 dpm/cm²
Cell 1, right wall near personnel entry	- 247.95 dpm/cm²
Floor, near personnel entry	- 1590.47 dpm/cm²
Left wall of equipment room door	- 539.55 dpm/cm²
Right wall of equipment room door	- 371.19 dpm/cm²
Floor of equipment room door	- 7009.52 dpm/cm²
12-42, just north of door	- 1126.22 dpm/cm²

1000	5 RAT members reported to EOC for standby duties.

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TIME	ACTION/EVENT
1010	Assistance was requested earlier from Savannah River and Mound facilities. Confirmed. Savannah River representatives to Arrive 1730 today, Mound travel to be determined.
1119	Following personnel from Mound to arrive Amarillo today at 1959: Don Rogers - Scientist Mike Rogers - Engineer Tom Flannigan - Health Physicist
1120	Container from Savannah River is in 12-15 weapon training area.
1128	Names of Savannah River personnel confirmed: Dennis Hayes A. R. Goodwyn
1202	Discussion between PX and AL Crisis Managers: -disassembly of unit not possible until late tomorrow night (weapon program engineering from LANL will be here). -work continuing on disassembly procedures (EI). -no change in the 1000 dpm/cm² exposure limit.
1214	AL classification indicated no problem with using 40,000 Ci figure in public release documents so long as not used in conjuction with weapon system nomenclature.
1233	PX Crisis Manager requested AL Crisis Manager to arrange for two (2) weapon disassembly personnel from LANL (vice one [1] person).
1240	LANL putting together a team for long term solution of explosive devices. Team will be at PX later this week. Team members are: Bob Smith - Unidynamics Doug Dugan - SNL/Test Fire Gail Fuska, EE - LANL/M-7
1320	M.E. Clouse Bioassy History telephonically relayed from Pantex Crisis Manager to AL Crisis Manager.
1332	Fire Chief advised to respond to fire alarms inside the cordoned zone in full gear <u>and</u> to notify EOC Security Director so response into zone can be cleared.
1417	Cell 1 status: * 3 units in cell . * one unit is on uncasing press <u>and</u> has the mechanical completed (reservoir * One unit has all the mechanical completed and is waiting for the uncasing process. Reservoir in south vault.

TIME	ACTION/EVENT
1417	* One unit has all the mechanical complete except the bottle (this is the problem unit). * One bottle in the Cell has been removed from the unit. * One bottle in the Cell from another unit. * Seven (7) pits not on the units plus 3 on the units as described above (total of ten [10] pits).
1445	Compressor at 12-42 has been exchanged. Operators for swing and graveyard shifts has been arranged.
1450	Requisitioned 15 air pac and 30 air bottles to be shipped from Pittsburg ETA Amarillo later today.
1500	Additional Cell content data received: 3 units of H.E. from
1600	Swing Shift for Assembly, Production Stores, D&I, Purchasing and RAT distributed in the EOC.
1608	AL Crisis Manager concurred in AAO Crisis Manager releasing approximately 28 people to work on W88 program on swing shift with air venting.
1645	All buying requisitions associated with this incident: Add - "Premium Transportation Authorized".
1830	Savannah River personnel, Dennis Hayes and A. R. Goodwyn arrived. Pantex personnel briefed them on situation.
1830 - 2035	Discussions pertaining to additional disassembly of the unit, container certification, packaging and other associated procedures.

R. L. Burke
EOC MANAGER

----------LAST ENTRY FOR MAY 22, 1989----------

May 24, 1989

TIME	ACTION/EVENT
0700	Opened the EOC.
0815	Made distribution (in the EOC) of yesterday's typed chronological events log.
0840	M. Ramey provided urinalysis data to S. Guidice: Maltrude 0300 5/20 16.578 uCi/1 Robinson 0300 5/20 16.0797 uCi/1 Tomes 5/18 0.108 uCi/1
0851	RAT received refresher briefing on QA Plan.
0905	Prepared an access roster for EOC. EOC Security Director delivered to Security inspector and briefed him.
1030	Preliminary surface water analysis was shown to (but not provided to) Bob Adcock by Bob Gage.
1043	AL/EOC advised Johnson that on-site tritium data should not be released to State until QA was verified and AL reviewed data.
1110	Received authorization from AL/NESD (Roybal) to use the Rocky Flats model No. 2030-1 shipping container to ship the pit.
1133	Received fax from C. B. Banks (LANL) to C. D. Alley which contains procedures to use on electrostatically fired squibs and actuators in [redacted] production.
1302	Preliminary surface water analysis transmitted to AL/EOC, Attn: Steve Guidice.
1348	Telecopied east circuit swipe data to AL/EOC, Attn: Gene Runkle.
1400 (approx.)	EOC received word that a proposed contamination control plan had been distributed to MAA workers. EOC worked a plan to counter the effects of distribution.
1402	Telecopied west circuit swipe data to AL/EOC, Attn: Gene Runkle.
1545	Provided MDL of 19.42 for west circuit data to Donna Banks.

May 25, 1989

TIME	ACTION/EVENT
0630	Opened the EOC.
0805	RFAO recommends all pits (10) to be returned to Los Alamos.
0815	Advised S. Guidice of Rocky Flats Area Office,(RFAO), about recommendation.
0849	container is still in the Cell.
1005	Telecopied SNLA electrostatic discharge review results to DOE/AL, Attn: Steve Guidice.
1026	E. Howry, L. Williams (both Crafts Supervisors) and M. Juarez, S. Salter (RAT escort) are going to Cell 6. Planning for Cell 1 ventilation rigging. RATS will take swipes in the area.
1104	LLNL has raised the question as to whether corrective action has been taken on the following report: SAND 75-0349, (long title) "Survey of Potential Inadvertent Detonation of Electro-Explosive Devices Inside Zone 12 Pantex Plant Due to Electro-Magnetic Radiation From Airborne and Ground Emitters.
1120	Confirmed that ERC and Collins Model KWT6-204H are single system which was deactivated in 1978.
1140	Becky Aadland, CTA Psychologist, arrived in the EOC.
1233	Telecopied preliminary swipe data from swipes taken the morning of May 25 to DOE/AL, Attn: Guidice and Runkle.
1338	Bubbler in Dallas, will be delivered Friday 10:00 a.m.
1345	The following TSD personnel will be on weekend alert for transportation of item to LANL: 1. Don Mulryan (505) 299-1782 or 296-3628 2. Bob Walton (505) 291-0884 3. Randy Sabre (505) 821-7841 Will transport item when called, however; will take several hours to have Ross Air at the airport SST#E-22182 is pretripped and can be used if desired.
1420	Telecopied telecon information given by D.L. Carathers to Gene Runkle to DOE/AAO (Steve Guidice).
1420	Notified Gene Runkle of the contamination in EOC and RAT staging area over the weekend. See telecopy.

TIME	ACTION/EVENT
1430	Call from Burt Banks of Los Alamos (FTS 843-4526) about water sample analysis.
1435	Crisis Manager notified Steve Guidice of contamination in EOC and RAT staging area over the weekend.
1437	MAT shipping self-contained breathing air system and supply from Savannah.
1438	Placed order for two 220-volt, 110 CFM screw type air supply systems. Shipping from Houston Friday to arrive Saturday.
1522	Trash containers have been staged in 12-42 N-vault for processing at later time.
1525	Faxed Cell 1 entry data to Gene Runkle from G. Johnson.
1558	Unit folders show that _____ was disassembled by DOD to stockpile storage (SS) configuration on 03/27/89. LLCE was last performed in
1644	Telecopied QA activities conducted May 25, 1989, to DOE/AL (attn: S. Guidice).
1816	Received rough draft of packaging plan from AL. Message indicated the draft will be coordinated with AL safety tomorrow.
1822	Telecopied preliminary draft of "Preparation & Packaging of SRO item in shipping container UC 609".
1918	Steve Guidice has gone home for the evening. May reach him there.
1945	Southern Air Transport arranged to fly SCBA Compressor system to Amarillo. ETA: May 26, 1989 at 0900.
2000	Transferred the phones to Security HQ and closed EOC.

R. L. Burke
EOC MANAGER

----------LAST ENTRY FOR MAY 25, 1989----------

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May 26, 1989

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TIME	ACTION/EVENT
0700	Opened the EOC.
0830	Held status review of all ongoing activities. Requested action groups to develop options for: 1. Reservoir removal/packaging (Assigned to: M. Johnson) 2. Plan for making Cell 1 ventilation system operational. (Assigned to: B. Colvin) 3. Plan for parallel (temporary) ventilation system (Cell 1). (Assigned to: B. Colvin and T. Kelly)
0930	Guidice requested that M&H engineering review O&I standards for each weapon system to assure that we are meeting our plant requirements for SSEEC'S (330.7).
0945	Advised E. Poynor of Guidice's request. J. Hood and G. Pool had already started the review process.
1008	Southern Air Lockheed Hercules committed for SRO SCBA system. ETA Amarillo: May 26, 1989 at 10:45 p.m.
1010	Information bulletin which describes current situation and planning status to M&H, Sandia and DOE personnel was distributed.
1040	Contamination survey data summary for 5/24 and 5/25 telecopied to AL/EOC (Attn: Runkle).
1045	Mound Bubble Unit received at Building 16-12.
1129	B. R. Colvin will brief EOC cadre at 1300 hrs.
1135	Burt Banks (LANL) stated that shipment of reservoir/valve did not need to be expedited. TA33 would be ready Tues. May 30.
1227	SRO SCBA system & associated equipment has left SRO enroute to Bush Field, Augusta GA. Aircraft ETA Augusta for loadout 1430 (CDT).
1330	Received LANL fax Re: Venting Tritium cylinder 120c HTD.
1335	Received SNLL program EED.

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TIME	ACTION/EVENTS
1315-1350	Master Mechanic (B. Colvin) briefed EOC cadre. Decision was made to proceed with option A exhaust duct modification procedures. Additional briefing on option B scheduled for 1500 hrs.
1425	S. Guidice authorized option A modifications to Cell 1 venting stack provided Runkle approves the ES&H aspects.
1445	Bubbler moved to 12-81.
1500-1535	Master mechanic briefed EOC cadre. Option A exhaust duct modification procedure approved. Three actions to be accomplished (1 & 2 simultaneously): 1. One crafts & one RAT dressed out (w/o SCBA's or respirator) to enter area to check contaminated exhaust vacuum line. 2. Two crafts & one RAT dressed out (w/o SCBA or respirator) to stage/set-up option A exhaust modification. 3. Upon completion of action #2, one crafts foreman, two crafts & two Rat dressed out (including SCBA) will complete option A exhaust modification.
1509	Telecopied classified draft disassembly and packaging procedures to AL for approval.
1516	Telecopied request to AL to continue & complete assembly of
1530	AAO team B provided transition briefing for AAO team A. Five main activities include: 1. Cell 1 ventilation modifications. 2. Cell 1 entry by RAT. 3. Receipt of compressor from SRO. 4. Briefing to SI's on their concerns expressed to AAO. 5. Reservoir package procedures approval from AL.
1530	Received telecopy approved instructions for packaging contaminated items.
1703	Telecopied an investigation committee guidance regarding shipment configuration of reservoirs to DOE/AL EOC (Attn: S. Guidice).
1711	Team (one craftsman and one RAT) completed investigation of vacuum piping. Exited the area to fabricate parts.
1840	Authorization given for personnel to preassemble equipment on the cell exterior.

TIME	ACTION/EVENTS
1845	Southern Air loading SRO SCBA at Bush Field new ETA Amarillo 27 May 86, 0045 hours.
1910	Southern Air transport with SRO SCBA system on board is airborne.
1936	G. Runkle concurred with reservoir recovery and packaging procedures. Exemptions still required. S. Guidice also concurred.
2000	Off-load team briefed on flight status of Southern Air flight number 290. SCBA compressor will be brought to 16-1 and serviced. Unit will be held at 16-1 until instructions on positioning are received from the EOC.
2025	G. Runkle given tour around the cordoned area, including a trip to the blockade located between cells 12-44-3 and 12-44-4 and observations of the area through binoculars from guard towers Blue 3 and Blue 4.
2042	Crafts team (with one RAT escort) processing through the CCS at the 12-26 straddle ramp. TRITON 111 reading at the lower out tube on the Cell 1 exhaust stack is now 49 uCi/m³.
2148	Gene Runkle concurs with HP procedures 1,2, & 3.
2202	Gene concurred on HP5.
2221	Gene concurred on HP4.
2245	Call forwarded the EOC telephones to Security Headquarters and closed the EOC for the remainder of the night.

R. L. Burke
EOC MANAGER

----------LAST ENTRY FOR MAY 26, 1989----------

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May 27, 1989

TIME	ACTION/EVENT
0650	Opened the EOC.
0710	Crisis Manager gathered EOC Cadre for briefing/instructions.
0713	E. Howry, J. Judkins, C. Cannon going on roof of Cell 6 to evaluate how to turn on ventilation system (dry run for Cell 1).
0720	D. Carathers tasked with the job of getting approval on installation procedure for Crafts to install TRITON 111 monitor in the Cell 1 vacuum line.
0724	Confirmed SRO SCBA system is on board (at 16-1).
0724	Proportional instruments (5 racks) to be moved to 12-42 (estimate 0800 hrs).
0742	DOE/AL Manager requested a paper on "Radiological Issues" (Runkle/P. M. Ramey) 7-27-89. (Lesser priority than Cell 1 material recovery activities).
0815	RAT Leader, (J. McAvey) and RAD Safety Staff (TJK and RLR) were provided copies and discussion of HP 1-5 procedures.
0830	M&H disassembly team will receive bubble suit training today commencing at 1300 in E&TC (12-15).
0830	Pantex Crisis Manager briefed AL/Crisis Manager on status and projected activities for the day.
0836	RAT leader identified CCS personnel and personnel to support entry by Crafts. Names provided to EOC Security Director.
0836	Bill Purchase, AL home phone 505-881-4640 Mary Lee Toole, SRO EOC FTS 239-1911 Beeper 3112
0900	Three TRITON 111 monitors being shipped in overnight on American Airlines from Overhoff Technology (Ohio).
0910	SRO SCBA and associated equipment located at 12-15 E&TC (Jack Lane).
0910	Personnel authorized to enter cordoned area. (See Master List)
0920	Training Bay in Bldg. 12-15 is open. (Jack Lane).

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DATE	ACTION/EVENT
1210	Cell 1 Ventilation Crew - Air monitor reading 2 uCi/m³.
1253	Cell 1 Ventilation crew went on air - prior to going on air readings were 2 uCi/m³.
1322	Original procedure #3 and Rev. 1 faxed to S. Guidice.
1340	Cell 1 rams 72 uCi/m³.
1343	Cell 1 ventilation crew reading: * When ventilation seal broken a reading of 60 uCi/m³. * Reading on outside of bag 10 uCi/m³. * Reading after cutting bag 25 uCi/m³.
1344	Specifications for clothing worn in cordoned area faxed to S. Guidice.
1345	Training started on SCBA equipment in 12-15 (Training).
1413	Griffis memo: Additional QC for operation of Tricarb Minaxi 4000 series liquid scintillation counter faxed to Guidice.
1420	Crew is off of Cell 1 - Fan operation is to be verified. Vent stack on ground.
1435	B. Colvin confirmed that Cell 1 exhaust fan is working. Flow is approximately 275 cfm. Estimate that amount to double when the option A modification fan is turned on.
1442	Last 2 persons on Cell 1 exhaust modification team are through the CCS at the 12-26 straddle ramp.
1445	Training on use of the SRO SCBA system for the packaging/disassembly team is complete.
1449	Prior to fan turn-on alpha reading on top of cell was 0 dpm.
1500	Second shift arrived. Commenced change-of-shift briefing.
1549	Cell 1 entry made for cleanup of oil.
1550	Running auxiliary fan & exhaust fan together; flow out vent is 550 SCFM. Auxiliary fan has been turned off.
1627	RAT team out of Cell 1.
1700	Steve Guidice approved procedures for: (1) Moving assembly from press to stand. (2) Disassembly of
1707	Authorized initiation of bottle recovery.

TIME	ACTION/EVENT
1708	Briefing from Dennis Carathers covering general contamination control and MAA access along with logistics for bottle recovery from Cell 1 into 12-81 then to Cell 4.
1800	Disassembly crew started training in full dress & SCBA to verify capability to work safely.
1815	Reservoir packaging team backed out to 12-81 to check on status of exhaust fan in ramp area (not running). Command group made decision that exhaust fan was not critical and authorized team to proceed with reservoir packaging.
1817	Decision made by CM that the disassembly team will not report until 9:00 a.m. Sunday so that they can get good nights rest.
1818	Ed Kopiak (Packard Instruments) at 12-2 to install monitors upon receipt. (Tricarb Monitors).
1820	Progress report on urine test results (per Carl M. Lang): < 1 uCi/l - 109 >1 uCi/l but < 4 uCi/l - 17 >4 uCi/l but <25 uCi/l - 25 (includes those in Cell 1)
1916	Tritium bottle team goes into Cell 1.
1928	Packaging team out of Cell 1.
1944	Personnel of Station C now proceeding to 12-81. Disassembly crew will proceed to suit out.
2000	Making leak check prior to packaging in UC-609 container.
2040	RAT team at 12-49 straddle ramp released to turn on fan on top of Cell 1.
2043	Disassembly crew going into Cell 1. Moved unit from disassembly press to stand.
2047	7 TRITON 111's, in bldg. 12-2. Three new monitors need calibration.
	Ed Kopiak came out of 12-2 and drove to motel for the night.
2101	RAT team on the way up on top of Cell 1 to start exhaust stack fan.
2104	Disassembly team out at hot line.
2110	Reading from RAMS in Cell 1 - 119 uCi/m³.
2111	Fan on, RAT off top of Cell.

TIME	ACTION/EVENT
1740	Trailer 22182 secure on Pad 4, Zone 4. Seal #24962.
1756	"A" keys for Cell 1 & Cell 4 locked in EOC safe.
1856	Telecopied Request for Deviations from SARP for the Model 2030-1 Rocky Flats container to S. Guidice. *Note: EOC needs a Classification Guide*
1945	Steve Guidice notified PX/EOC that shipment to LANL should not leave until Tuesday a.m.
1950	Don Mulryan notified that shipment to LANL should not leave Pantex before Tuesday, May 30, 1989.
2008	Faxed documents to Steve Guidice: 1. Requirements for packaging contaminated items. 2. Hot Line Protocol Incident.
2046	Crisis Manager authorized rough contamination survey by RAT of bubble area.
2050	Cletus Lovelady notified shipment to LANL has been cancelled for Monday. He will notify LANL contact.
2335	RAT team completed rough survey of controlled area.
2340	EOC shut down.

R. L. Burke

EOC MANAGER

----------LAST ENTRY FOR MAY 28, 1989----------

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May 29, 1989

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TIME	ACTION/EVENT
0500	Duty Security Captain briefed the oncoming Duty section regarding location of CCS's and their purpose. Verified that CCS's had been properly marked by physical barriers.
0645	Opened the EOC.
0715-0740	Crisis Manager briefed cadre on current status and discussed plans/projects for the day:

Priority #1 - Disassembly, packaging and movement of remaining cell 1 units (J. Hood/D. Carathers).

Priority #2 - Repackaging of remaining pits in Cell 1 (J. Hood/D. Carathers).

Priority #3 - Discuss with N. Hacker the "other" reservoir/valve assembly in Cell 1 (B. Gage/T. Ladino).

Priority #4 - Continue follow-up on obtaining AL approval on the deviations requested for the 2030-1 and UC-609 container packaging (B. Gage).

Other briefing/discussion topics (Priorities not assigned):

* Access for yesterday's roster approved -- concentrate on getting changes/additions.

* First draft of decontamination plan for area available for management review. D. Carathers will meet with SRO and Mound personnel to continue refining the plan.

* It was agreed that the primary CCS for Cell 1 access would be the 12-42 CCS. RAT team will operate the 12-42 CCS and HP technicians will provide HP support inside the Cell.

* Results of latest (last night) RAT survey of cordoned area are needed in the EOC.

* Final surface water analysis are available from Mound. After Pantex HP review, it will be telecopied to AL to obtain release authority to the State.

0830 Packaged reservoir/valve assembly in Cell 1 should be verified to have protective shorting cap installed (per Neil Harker). Pantex Crisis Manager wants this on hold for time being. Remain focused on disassembly/packaging of remaining two (2) units.

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TIME	ACTION/EVENT
1445	Crew at Vehicle Maintenance Facility preparing SST for shipment. Trailer #20065.
1602	Telecopied General Decontamination Plan to Steve Guidice.
1638	Telecopied current reservoir status to Steve Guidice.
1703	Entering Cell 1.
1728	M. Keller has LANL authorization to ship items and has coordinated with Bob Walton, TSD/AL. Documentation will be faxed to LANL Tuesday morning, May 30, 1989.
1730	Received packaging approvals for contaminated items from D.C. Krenz.
1818	Two pallets of HE through 12-42 hot line. One pallet of HE with can of DETS nearing hot line.
1836	All items out of Cell 1.
1848	HE and DETS on the way to the Burning Grounds.
1914	Employee handouts released to 12-75.
2009	Reservoir placed in South Vault, Building 12-42.
2049	RAT Team reentered Cell 1 to locate additional four center items.
2052	HE and DET burning started. Wind was South to Southeast, 21-30 mph.
2101	Verified four center items in cubicle of Cell 1.
2126	DETS burned, relit HE.
2132	All clear at the burning ground.
2137	Four center items at hot line 12-42.
2140	Cell 1 Secure.
2147	Decision made to leave forklift in recess area of Cell 1.
2241	Lightning Warning received, no change in operations.

2246 The nine (9) pit readings are as follows:

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Top	Side	Bottom
56	369	200
169	Background	109
Background	179	190
10	119	80
96	249	96
292	226	130
130	150	Background
160	210	270
110	110	261

2248 Sweeping crew started to 12-81 to commence sweeping ramps.

2258 Trailer loaded with nine (9) pits, headed for Zone 4.

2308 Trailer #20065 with seal #24963 is located at Pad 5 Zone 4.

2347 Completed one sweep of restricted area with industrial sweeper. Recommend additional sweeps on 5-30-89 prior to swiping.

2355 EOC stood down for the evening.

R. L. Burke

EOC MANAGER

----------LAST ENTRY FOR MAY 29, 1989----------

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TIME	ACTION/EVENT
1100	Information pertaining to shipment of incident unit components telecopied to Beth Plassman, LANL.
1103	Released SST, Safeguards Measurements completed (R. Phillips) - new departure time 1200.
1107	Telecopied current reservoir status (replacement pages for yesterday's transmittal) to S. Guidice.
1108	Stations action #3: - J. Flores running sweeper supported by RATs: Munkres and Salter. - E. Howrey is building barricade at Cell 1 12-R-44 and 12-58.
1131	Release data to TDH (Bureau of Radiation Control) with memo emphasizing pico curriers - K. Hamrick.
1145	Action status report for item 6 - program review/start-up formalized by C. D. Alley, 5/30/89.
1202	From Steve Guidice: - Okay to release final QA data to State. - LANL has agreed to accept remaining 9 ea. pits.
1233	Ed Kopiak (technician for Packard Instruments) approved for access into 12-42 tomorrow at 1500 for work/installation of scintillation counters. Work expected to require approximately four hours.
1300	Resolution required for decontamination of nine (9) pits to be shipped to LANL (how, when, where, etc.). Assigned to Dennis Carathers.
1310	D. L. Carathers authorized dumping of sweeper water. Count was 1.4 uCi/l.
1330	Recovery Plan for Restricted Area approved by Pantex Crisis Manager.
1400	Memo complete to transmit data to (TDH) Bureau of Radiation Control.
1432	SST with incident pit and reservoir/valve assembly on board departed for LANL.
1500	Notified Beth Plassman (by secure telephone) of TSD departure and estimated time enroute.

TIME	ACTION/EVENT
1530	Crisis Manager called EOC personnel together for status briefing. Status based on tasks listed at end of 0815 to 0920 EOC this am. (1) Incomplete, but in progress. Several personnel notified. (2) In progress. (3) Plan approved. In progress. (4) In progress. (5) In progress. (6) In progress. (7) EOC to be deactivated at 1630 today. Reactivate at 0800 on 05/31/89. Dr. Ally raised the question of removal of materials/components to support production. Following discussion it was determined the parts could be removed from inside the cordoned area so long as the plan for task 3 (above) is complied with.
1625	D. Phillips advised D. Mulryan of the situation with the nine (9) pits, cancelled the scheduled movement, and advised that we would be in touch to reschedule.
1630	Closed the EOC for the day.