EXHIBIT H

PLAN FOR NON-NORMAL OPERATING CONDITIONS
DFS-011-01

CSGPO-453/0004
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CHEMICAL STOCKPILE DISPOSAL PROGRAM

TOOELE CHEMICAL AGENT DISPOSAL PROGRAM
CONTRACT DACA87-89-C-0076

Title: DFS Feed Chute Line A Explosives Cleanout

PLAN FOR NON-NORMAL OPERATING CONDITIONS

Plan No: DFS-011-01

Prepared by:

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Approved by: _____ Date: 4-27-00
(Initiator)

Approved by: _____ Date: 4-27-00
(Safety)

Approved by: _____ Date: 27 APR 00
(Operations)

Approved by: C Scott W _____ Date: 4/27/00
(Engineering)

Approved by: _____ Date: 27 Apr 00
(Environmental)

Approved by: _____ Date: 27 Apr 00
(Quality)

Approved by: _____ Date: 4/27/00
(TOCDF Site Project Manager)

PLAN FOR NON-NORMAL OPERATING CONDITIONS

TITLE: DFS Feed Chute Line A Explosives Cleanout

Step/ condition	DESCRIPTION	BY/DAT
INSPECTION PREPARATION		
1	Have the CON Engineer **CLEAR INTERLOCKS** to allow the slide gate (MMS-GATE-103) and the ECR A doors to be open at the same time.	
2	**REDUCE** the DFS kiln pressure in accordance with Operations Management Memorandum (OMM) 00-05.	
NOTE: Any entry into the ECR must comply with OMM 00-05.		
3	**PERFORM** an entry into ECR A. The Shift Safety Representative will determine the level of PPE. Entrants and associated personnel must comply with the appropriate SOPs.	
4	**REMOVE** the birdcage from around the feed gate housing and set it aside.	
5	**OPEN** the slide gate (MMS-GATE-103).	
6	Visually **INSPECT** around the slide gate and inside the feed chute for build-up of explosive debris.	
CHUTE CLEANOUT		
7	**CONNECT** the hose and lance to a Process Water line. Using the lance, **WASH** the explosive debris from around the slide gate and the feed chute down the chute.	
8	Entrants **EXIT** the ECR, **CLOSE** the blast doors, and **OPEN** the dampers.	
9	**CLOSE** the slide gate (MMS-GATE-103) and **CYCLE** the tipping gate (DFS-GATE-101).	
10	**OPEN** the slide gate (MMS-GATE-103).	
11	Entrants **REENTER** the ECR. **REPEAT** the visual inspection (step 6).	

PLAN FOR NON-NORMAL OPERATING CONDITIONS

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Step/ condition	DESCRIPTION	BY/DATE
12	**REPEAT** the chute cleanout (steps 9-11) if necessary.	
13	**DISCONNECT** the process water lance before terminating the entry.	
NOTE: If the entrants are not able to remove the explosive debris from the feed chute by following the steps of this procedure, then the procedure will have to be modified and reviewed by each of the approving organizations.		

Non Normal Procedure: Safety Evaluation

Related document is NNOP for Clearing DFS Feed Chute Using Water/Air Lance, DFS-010

Procedure # DFS-011 Date of Analysis:3/232/2000 Analyst: Ducie Chads

Key Steps:	Tools/Materials Used:	Potential Hazards:	Recommended Actions:	Comments:
Note	Follow OMM-00—05, ECR Entrants to follow attached Additional Protective Measure for ECR Entrants	Flammable gases or residue between feed chutes could catch on fire.	Document calls for a minimum 10-minute period of stop feed before entrants enter the ECR.	1. Flash fire (deflagration) of 3/16/00 occurred about 2 minutes after entrants left room.
2 & 3.	Reduce DFS Kiln pressure to –1.5" H20.	Back flow of gases into ECR-A while entrants are in room.	1. Adjusting pressure of kiln will pull gases into kiln from the ECR-A. 2. Tipping Gate will be closed during the entire operation.	1. When entrants open the ECR door and latch it to stay open the HVAC dampers to the room close. 2. Kiln will preferentially pull gases through the open ECR Room door from the UMC.
2.	Raise TIC-182 to set point of 182 °F (?)	Residence time drops and HDC looses temperature. A RCRA violation could occur	Action has known effect of heating up kiln more than normal and preventing violation.	Temperature in memo states "980 degrees". Plant operates based on fahrenheit scale. This should be clearly stated so not to confuse outside observer
5.	Open slide gate MMS-Gate 103, also known as DFS Feed Gate	Back flow or gases into ECR-A with entrants in room, entrants will eventually hold wand above this gate.	1. Temperature exposure of Level 8 TAP above flammable temperatures. 2. Tipping gate will be closed.	1. Need to confirm by demonstration that airflow from ECR into Kiln can be maintained under prescribed conditions.

Non Normal Procedure: Safety Evaluation

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Procedure # DFS-011 Date of Analysis:3/232/2000 Analyst: Ducie Chads

Key Steps:	Tools/Materials Used:	Potential Hazards:	Recommended Actions:	Comments:
6 & 13.	Insert CCTV Camera into feed chute to verify how much material is in chute	Heat Exposure to entrants and poor TV picture	1. Tipping Gate will be closed. 2. Previous TV pictures using this method were poor, camera swung around making picture poor	1. During previous chute cleaning efforts with water highest temperature in room was 78 °F. 2. Airflow will be with insertion direction of camera, may not swing around.
9	Connect hose and lance to Process Water line and wash debris and explosives from chute	Violation of Two Man Rule	Valve is connected directly to wand, can be opened and closed in ECR. Water connection is in UMC.	
	Flush chute with water	Explosion or detonation	None- unlikely force of water impacting explosive debris will cause explosion.	Has not done it in previous cleanings, not concentrated force.