JOB KEY POINTS

SAFETY EQUIPMENT: Cotton Gloves, Hard Hat, Chemical Goggles, Respirator

Dowtherm System - Checking and Filling Seal Pots

Frequency: 1/week

KEY POINTS	SAFETY PRECAUTIONS.
A. General: The seals being used on the Dowtherm pumps are tandem Chempro seals. That is, two seals are installed in the pump back-to-front so that they act in series. When the first seal fails, the second seal sees the pressure and causes an alarm to go off in the control room. At this point, the pumps should be switched so that the failed seal can be repaired. The second seal can hold the pump pressure without leaking <u>if it has not been run dry</u>. To keep the second seal cool and lubricated, a surge pot is mounted by each pump that contains a level of Dowtherm which circulates through the second seal.	
B. Checking the Seal Pot Level	
1. You may check the level of a running pump as well as an off pump.	
2. Close <u>both</u> block valves to the 1" level dip pipe on the side of the pots.	2. Failure to close these valves first could result in severe thermal burns if the pot is under pressure.
3. Unscrew the dip pipe bull plug and observe the level on the dip stick. The level should be somewhere on the dipstick.	
4. If the level is OK, replace the bull plug using the silver-colored Anti-Sieze and screw down firmly.	
5. Open both block valves to the dip pipe.	
6. If there is no level, obtain a gallon of fresh clean Dowtherm from the drum station.	CAUTION: YOU MAY ADD DOWTHERM TO AN "OFF" PUMP ONLY!

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PLAINTIFF'S EXHIBIT
DOW-2114

JOB KEY POINTS

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KEY POINTS	SAFETY PRECAUTIONS
7. Check for pressure on the pot by venting at the top of the pot. When you have determined there is no pressure, open both dip pipe valves and fill the pot through the dip pipe.	7. Pump discharge and suction should be closed.
8. Repeat Step #4.	
9. Close the vent on top of the pot.	

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