



**KEY NOTES:**

**1 INTERLOCK I1:**

- AMBIENT TEMP EXCEEDS 55° F, A STAY PUT OPEN COMMAND IS ISSUED TO VALVE MD-153-1.
- AMBIENT TEMP DROPS BELOW 55° F, SIGNAL GOES TO INTERLOCK I-2.
- WITH SIGNAL FROM INTERLOCK I3, THE COMMAND IS WITHDRAWN.

**2 INTERLOCK I2:**

- WITH VALVE MD-153-1 OPENED FEEDBACK, HIGH SPEED SETPOINT IS ISSUED TO VFD OF FAN EF-153-4.
- WITH AMBIENT TEMP BELOW 55° F, LOW SPEED SETPOINT IS ISSUED TO VFD OF FAN EF-153-4.

**3 INTERLOCK I3:**

- THE STAY PUT "OPEN" COMMAND TO VALVE MD-153-1 WILL BE WITHDRAWN, ONCE THE FAN REACHES THE LOW SPEED.

**4 VALVE MD-153-1, IS MOTORIZED TO OPEN AND STAYS OPEN FOR AS LONG "OPEN COMMAND" IS AVAILABLE. VALVE "SPRING RETURNS" TO CLOSE ONCE "OPEN COMMAND" IS WITHDRAWN.**

**LEGEND:**

- SPB SLUDGE PROCESSING BUILDING
- SDB SOLIDS DRYER BUILDING
- EXISTING EQUIPMENT
- NEW EQUIPMENT

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INSTRUMENTATION AND CONTROL MODIFICATIONS TO ODOR CONTROL FACILITY - 2		FOR FINAL REVIEW/ BUILDING PERMIT		BY APVD	
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2	09/09/06	DR	R. BAKER	CHK	B. GACKSTATTER
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