

ATTACHMENT 1 (PAGE 1 OF 2)
SURRY POWER STATION, UNIT 1
DOCKET NO: 50-280
REPORT NO: 80-052/03X-1
EVENT DATE: 08-12-80

TITLE OF REPORT: PROCESS VENT SAMPLER FLOODED

1. DESCRIPTION OF EVENT:

With Unit 1 operating at a steady state power of 88%, a low flow alarm sounded on RM-GW-101 and 102. The Process Vent System was immediately secured and the cause of the low flow investigated. Tech. Spec. 3.11.B.4 and 4.9.1 applies; thus, this event is reportable in accordance with Tech. Spec. 6.6.2.b.(2).

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT SYSTEMS:

The Process Vent System is monitored by RM-GW-101 and 102 plus Health Physics Accountability Sampler. RM-101 and 102 provide a continuous readout while the H.P. Accountability Sampler provides a cumulative sample over the period of time the filters are left in. Due to moisture damage, the H.P. Accountability Sample covering period 8/8/80 through 8/12/80 was destroyed before it could be recorded. Since RM-GW-101 and 102 was functioning properly until the accident, all releases during this period were within specs.

After repair of system and replacement of vacuum pump, a low flow indication persisted. This indicated the possibility existed for a low indication via RM-GW-101 and 102, thus a high (out of specs) release could occur without an alarm and the resulting automatic isolation of the system. However, the manufacturer indicates the current 5 cfm flow is more than sufficient for accurate operations of RM-GW-101/102. Thus, the health and safety of the public were not affected.

3. CAUSE OF THE EVENT:

The gas stripper overflowed and filled the Process Vent System.

4. IMMEDIATE CORRECTIVE ACTION:

Flushed, dried, and oiled system, replaced filters and vacuum pump. System was returned to service.

5. SUBSEQUENT CORRECTIVE ACTION:

The low flow alarm indicated low flow. Upon investigation, a flow of 5 cfm was found. Performance Test 26.1 indicates a required flow of 6 cfm. Manufacturer indicates the current 5 cfm flow is more than sufficient for accurate operation of RM-GW-101 and 102. Written confirmation from the manufacturer that a flow rate of 5 cfm is acceptable has been received.

6. ACTION TAKEN TO PREVENT RECURRENCE:

A design change is being prepared which will address the prevention of water entering the Process Vent System and will provide a knock-out drain and filter housing drains. The Engineering Review has been reviewed by the SNSOC and the final design should be completed mid 1981.

ATTACHMENT 1 (continued)

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7. GENERIC IMPLICATIONS:

None.