~~Cotton~~

File

IA6

TASK CLOSE OUT DOCUMENT

Task Scope: Determine Method of Sealing Leaks in Header Vent

To: M. Levenson
S. Levy
E. Zebroski

Task No. 1

Date Complete 4/26/79

Reason felt task is complete:

Evaluation of potential leakage points indicate as many as 50 possible points. The ventilation system does never balance nor is it well characterized. The releases in the Aux Bldg are basically following an I-131 decay and are now well below the 1% of Tech specs leaving the Stack. There is a sampling system being installed before and after the filters of the Aux Bldg. Both filter trains of the Aux Bldg were replaced.

Members of Committee

H. [illegible]

N. Schultz

Harry [illegible]
Signed
Committee Leader

To: M. Levenson

Date: April 19, 1979

From: H. Lawroski HL

Subject: Cleanup of Aux Building and Containment

There is a high priority to obtain breathing room for water storage capacity in the Aux Building. Obviously we must avoid becoming completely constipated. However, the physical activity for ion exchange resin systems should be installed and operated in a separate outside building. This should be basically a hot cell with remote capability to uncouple and recouple ion exchange resin tanks. An evaporator system should also be outside the Aux Building and the Reactor containment. This may sound far fetched but it is highly certain that if the cleanup is done inside the Aux Building it will be permanently contaminated to a level which may well preclude reactor operations in the future due to "Alara."

As a strong recommendation, the highly contaminated water should be first passed through filters and ion exchange to remove the majority of the activity. This will allow subsequent operation to be performed by essentially "hands on". The concentrated activity can then be implaced in concrete shielding and sent off site.

It is imperative that in the rush "to do something" that a terrible long term problem is not created for Met-Ed operations of the plant in the future.

April 11, 1979
2:00 P.M.

To: S. Levy

From: N. Lawrosk.

Subject: Task I - Qualifications of Vent Header System
(Qualifications of Make-up Tank System)

NP 222 was just put into service. This instrument samples the exhaust from the auxiliary building ahead of the filters. A strip chart recorder is also hooked up in the control room. Based on HPR 3240 the background maybe about 20 mn/hr. Any signal unless quite high may be masked by background.

The new stack monitor is also now functional. This unit is in a low background area and is probably a better instrument even though the samples are diluted by a factor of 2 as compared to the total flow rates of air from the auxiliary building and the stack.

The make-up tank as of 12 Noon 4/14/79 was at 6 psi. It had been raised from 4 psi since 8:00 A.M. There was no indication of change on HPR 3240.

We will continue to collect data.

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TO: S. LEVY

April 11, 1979
8:00 a.m.

FROM: H. LAWROSKI

SUBJECT: LEAK FROM VENT HEADER OR SOMEPLACE AND POTENTIAL PROBLEM WITH ACCESS HOLE TO MAKE-UP TANK

Problem - Monitor HPR 3240 indicates gas evolution from the Auxiliary Building. Since there is no hot fuel or activity in the Fuel Storage Building.

Information - HPR 3240 is located on elevation 328' between the air handling equipment of the fuel handling area. HPR 3240 is approximately 20 ft. from the air handling equipment from the Auxiliary Building. Area monitors and background survey indicate high levels (>10 R) in a major part of the Auxiliary Building. This limits severely the ability to get direct data.

Effort - HPR 3240 data are being plotted against plant manipulation, i.e., level in the make-up tank, pressure in the make-up tank, valve position of MU V13, (the outlet valve from MT to vent header). Suggestion of other comparison would be desired from other.

Drawings of the MT are being obtained to review details in anticipation of reducing leak.

It is possible that degassing of liquid in the Auxiliary Building could cause some of the release. (Seals, etc.)

Need - Background survey (update) and monitor equipment on the Auxiliary Building exhaust system.

TO: SOL LEVY

April 12, 1979
1:00 P.M.

FROM: H. LAWROSKI

SUBJECT: TENTATIVE QUALIFICATION OF MAKEUP TANK SYSTEM UP TO MU V13

1. Place a qualified monitor at or in the air exhaust from Auxiliary Building. Calibrate with Range 0-100 mr reading of gas stream.
2. Close MU V13 and all inlet and outlet from makeup tank.
3. Read pressure and level.
4. Pressurize with N_2 up to 5 or 10 psi and secure.
5. Maintain isolation for 2 hours, if possible.
6. Record pressure and radiation readings every 10 minutes.
7. Open MU V13 to vent header and return to normal op.