Internal Letter

Date: October 29, 1979

TO: 
- Radiation & Nuclear Safety
- Energy Systems Group
- 779, 071-NB13

FROM: 
- D. E. Owens
- 779, 071-T034
- 6541

Subject: Radiological Safety Incident Report

Incident Location: RMDF
Date: 10/23/79
Time: 14:00 hrs

Nature of Hazard and Quantity of Hazardous Material: Approximately one gallon of R/A contaminated liquid representing waste material from both the SRE and RIHL.

Summary of Incident: A one-inch Tygon hose split, releasing water to the metal lined catch basin under the flaculating tower. By using the electrical switch on the pump and a valve nearby, the total amount released was kept quite low. By using both a standard foam cleaning technique and suction pump, the catch basin has been cleaned to about the same contamination level as usual, i.e., <1000 dpm/100 cm² 3ßγ. It does not appear practical to remove more activity at this time due to the deteriorated condition of the metal floor.

Personnel Involved in Incident

<table>
<thead>
<tr>
<th>Personnel</th>
<th>First Aid</th>
<th>Survey Meter Smears</th>
<th>Nasal Smears</th>
<th>Bioassay</th>
<th>Additional</th>
</tr>
</thead>
<tbody>
<tr>
<td>N. A. Smith</td>
<td>X</td>
<td>25 mr/hr*</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Comments and Recommendations: * Represents the general radiation field present from the 3000 gallon storage tank. No personnel contamination was involved.

Distribution:
- R. S. Frazier 731-T143
- R. J. Tuttle 779-NB13

Health, Safety & Radiation Services
D. E. Owens

BNA00653221
HDMSP001812088