Baffelle
Pacific Northwest Laboratories

Project Number

Internal Distribution

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File/LB

Date February 27, 1979

To D. W. Dragnich

From P. E. Bramson

Subject RESPONSE TO ENVIRONMENTAL EMERGENCY MONITORING REQUESTS

The purpose of this memo is to document agreement that was reached on the above subject in the meeting composed of Gaynor Dawson, Dave Dragnich, John Raymond, Paul Eddy and myself.

First let me express my appreciation of the positive attitude which you all displayed at the meeting. I feel that this was largely contributory to arriving at mutual agreement.

Following are the points of agreement reached:

- Future contacts for emergency response will be initiated through Dave Myers.
- Bramson will clarify the appropriate communication route for emergency response between HEDL and W&LR. HEDL contact should probably be through Paul Eddy rather than directly with W&LR.
- We will mutually pursue a 189 or Service Assessment task funding to improve the Groundwater modeling.
- Additional FTEs will probably be required in W&LR to provide the improved models. We will lend support to W&LR in obtaining this FTE.
- W&LR will give sufficient priority to Groundwater emergencies to provide 24 hour turn around. For the present time, this emergency response will include the following:
    - Streamlines to the nearest point of discharge (steady state)
    - Time interval contaminate can be expected to reach discharge point if moving at ground water flow rates
    - Assuming all contaminates reach the ground water what concentration of the radionuclides will reach the discharge point using conservative ions and estimating for nonconservative ions
    - By using the one dimensional unsaturated model give an estimate as to what portion of the contaminate will reach the ground water (time and Volume)
    - Determine what concentration of radionuclides which will reach discharge point in the saturated flow model using the unsaturated estimates of contaminates to the ground water

PEB/gn