Project Number RL

Battelle
Pacific Northwest Laboratories

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To PE Bramson

From WD McCormack

Subject Monthly Report - August 1982

Final revisions were made to PNL-3777 (Overview Program Report) during August to reflect comments received during contractor and DOE review. The report will be published on schedule by September 30. The 1983 Dose Overview Program Plan was prepared during August.

W. D. McCormack attended several UDAC training sessions during August and is compiling additional UDAC resource data that was identified during the training sessions.

W. D. McCormack assisted in revision of the 303-C SAR following review by the PNL Safety Review Council. This involved development of additional accident scenarios.

The 100-B reactor area was inspected in an attempt to identify potential sources of elevated ^{90}Sr concentrations in the 100-B cumulative raw river water sampler. The sample location and river water piping (which are part of the Hanford water supply system) appeared to be isolated from sources of direct contamination. A potential source of ^{90}Sr seen in this sample may be seepage of contaminated ground water into the river near the 100-B river pump house (181B). Concentrations of ^{90}Sr in samples of ground water collected from 100-B wells during May, 1982, were on the order of 20 to 50 pCi/ℓ, as compared to approximately .25 pCi/ℓ measured in the raw river water samples. Special sampling was performed during August in an attempt to investigate this possibility.

WDM:sc