

From: "Jones, T. R." <tjones2@entergy.com>
To: "James Noggle" <JDN@nrc.gov>
Date: 10/25/05 1:58PM
Subject: FW: Summary_PAB_51_Floor.doc

From: Lavera, Ron
Sent: Wednesday, October 19, 2005 6:51 AM
To: Axelson, William L; Croulet, Donald; English, Christopher; Hinrichs, Gary; Jones, T. R.; Lavera, Ron; Mayer, Don; Nuta, Dragos A; Peters, James; Quinn, Dennis; Skonieczny, John; Smith, David
Subject: Summary_PAB_51_Floor.doc

Summary of Analysis of Results from Water Sample Taken on the 51' PAB Floor at the FSB West Wall

On Thursday October 13th, during a tour with NRC Regional and site personnel, water was noted on the floor at the 51' Elevation, adjacent to the exterior portion of the FSB west wall contained within the PAB. The water appeared to be originating from the vicinity of the junction of the floor and wall mats at the FSB West wall. A sample of the water was obtained by wiping the floor with paper towels. The water was analyzed by gamma spectroscopy with the following results:

Description

Co-60 uCi/mLi

Cs-134 uCi/mLi

Cs-137 uCi/mLi

IP-2 51' PAB by FSB West Wall - Water collected from floor by wiping floor with paper towels

1.29E-06

ND

1.11E-05

Tritium analysis is still pending.

A/10

Since the area is known to have been contaminated by RCS water in the past, and in fact has only recently been decontaminated to allow access without protective clothing, the presence of Co-60 and Cs-137 would be expected.

The results of the scrapping sample taken at the boron deposits observed on the exterior portion of the FSB west wall contained within the PAB were:

Location

Type of Sample

Co-60 uCi/gm

Cs-134 uCi/gm

Cs-137 uCi/gm

Cs-137/Cs-134 Ratio

IP-2 Pipe Penn Mezzanine to Section 1 - Wall Crack

Scraping - Dry powder 1.42 gm

1.16E-04

1.47E-05

2.95E-04

20

These sample results were consistent with the activity ratios observed in the FSB.

Based on the absence of Cs-134 and the much higher Cs-134 to Co-60 ratio, it is difficult to attribute the source of the water on the floor to the FSB wall leak.