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To: <JLC@nrc.gov>, "Eugenio Bonano" <GAB1@nrc.gov>
Date: 12/9/05 1:23PM
Subject: Preliminary tritium results for selected water samples from Braidwood NGS

Mr. Cameron and Mr. Bonano,

Attached is an excel spreadsheet with preliminary tritium results for selected water samples from the Braidwood Nuclear Generating Station. The data has not been processed through our complete quality control routine and is presented for informational purposes only. It appears that the two samples which are clearly above the MDC are from the same well from differing sampling dates (same well). Please note that the count time used for these results was 60 minutes which gave a MDC of approximately 430 pCi/L. We are currently counting the samples for 300 minutes to reach a MDC below 200 pCi/L.

Exemption 6

If you have any questions, please feel free to call me at 865-576-9184 or Dale Condra at 865-241-3242.

Regards,
Wade Ivey
ORISE/ESSAP

<<Prelimniary H-3 results 12-9-05.xls>>

CC: "Condra, Dale" <CondraD@orau.gov>

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Act, exemptions 6
FOIA- 2006-125

6-58

12/9/05

Preliminary Tritium Concentrations and Uncertainties in Selected Water Sample

Braidwood Nuclear Generating Station

ESSAP ID	NRC Region III ID	Concentration, pCi/L	Uncertainty, pCi/L	MDC, pCi/L
1682W0009	NRC-9	468	263	431
1682W0010	NRC-10	563	266	431
1682W0011	NRC-11	446	263	431
1682W0012	NRC-12-R3	-199	245	431
1682W0013	NRC-13-R3	347	260	431
1682W0014	NRC-14-R3	472	263	431
1682W0015	NRC-15-R3	453	263	431
1682W0016	NRC-16-R3	2046	303	431
1682W0024	NRC-24-R3	506	264	431
1682W0025	NRC-25-R3	475	264	431
1682W0026	NRC-26-R3	-29	250	431
1682W0027	NRC-27-R3	1230	283	431

Note: These are preliminary results from a 60 minute count time. The data has not gone through ESSAP's complete quality control routine. The data is presented for informational purposes only.