

**From:** "Condra, Dale" <CondraD@orau.gov>  
**To:** "Eugenio Bonano" <GAB1@nrc.gov>  
**Date:** 12/13/05 11:56AM  
**Subject:** Second Submission of Preliminary Tritium Data for selected water samples from Braidwood NGS 12-13-05

Gene,

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. Please note that the count time used for these results was 60 minutes which gave a MDC of approximately 440 pCi/L. We are currently counting this sample set for 300 minutes to reach a MDC below 200 pCi/L.

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

Dale Condra  
Laboratory Manager  
ORISE/ESSAP

<<Preliminary H-3 results 12-13-05.xls>>

**CC:** <JLC@NRC.Gov>, "Condra, Dale" <CondraD@orau.gov>

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in accordance with the Freedom of Information  
Act, exemption 6  
FOIA- 2006-115

6-69

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12/13/05

### Selected Water Samples

Braidwood Nuclear Generating Station

| ESSAP ID  | NRC Region III ID | Concentration, pCi/L | Uncertainty, pCi/L | MDC, pCi/L |
|-----------|-------------------|----------------------|--------------------|------------|
| 1682W0052 | NRC-52-R3         | 300                  | 260                | 440        |
| 1682W0053 | NRC-53-R3         | 320                  | 270                | 440        |
| 1682W0054 | NRC-54-R3         | 140                  | 260                | 440        |
| 1682W0055 | NRC-55-R3         | 600                  | 270                | 440        |
| 1682W0056 | NRC-56-R3         | 50                   | 260                | 440        |
| 1682W0057 | NRC-57-R4         | 340                  | 270                | 440        |
| 1682W0058 | NRC-58-R5         | 340                  | 270                | 440        |
| 1682W0059 | NRC-59-R6         | 410                  | 270                | 440        |

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.

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