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From: John House
To: Ryan Alexander
Date: 12/13/05 7:28AM
Subject: Fwd: Update: Recent Braidwood Groundwater Sample Results

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 6
FOIA- 2006-115

G-67

From: Eugenio Bonano
To: House, John; Wayne Slawinski
Date: 12/12/05 12:50PM
Subject: Fwd: Update: Recent Braidwood Groundwater Sample Results

From: Steven Orth
To: Jamnes Cameron
Date: 12/9/05 1:57PM
Subject: Fwd: Update: Recent Braidwood Groundwater Sample Results

As promised.

CC: Eugenio Bonano

From: Steven Orth
To: Braidwood Communications Team
Date: 12/6/05 9:21AM
Subject: Update: Recent Braidwood Groundwater Sample Results

Greetings,

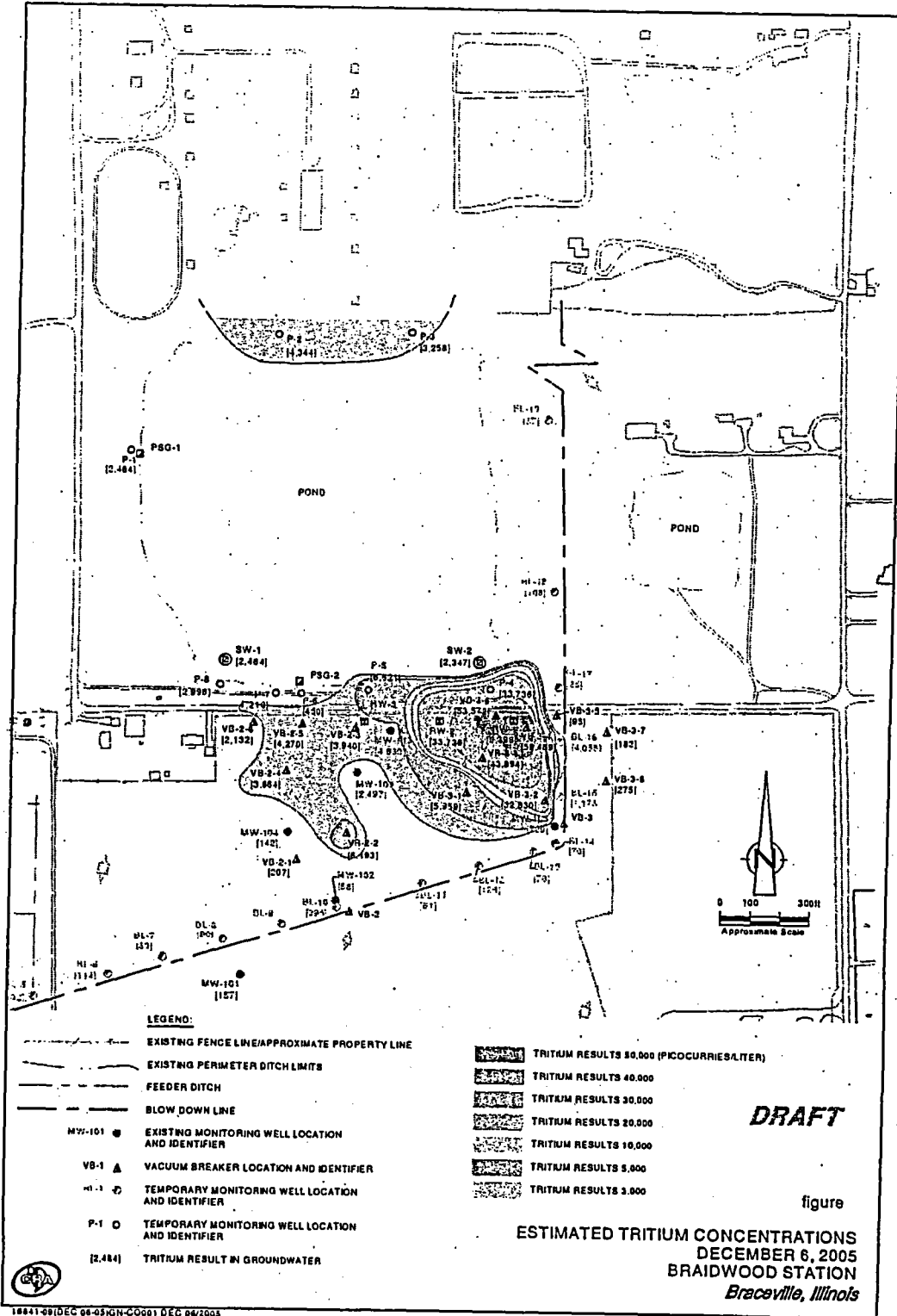
Attached are some current sample results from the licensee.

As was likely expected, tritium was detected in the vacant development north of the Owner Controlled area. Based on discussions with the licensee, they intend to provide additional monitoring wells further north to continue to characterize the plume. Additionally, they are working with Illinois EPA to gain approval of the remediation plan — i.e., pumping groundwater from the four remediation wells.

Region III has provided samples to the NRC laboratory (ORISE) and is expecting results late this week or early next week. Unfortunately, these samples do not include the residential wells, which will be forwarded to the lab today or tomorrow.

Thank you,

Steve Orth
Region III



LEGEND:

- EXISTING FENCE LINE/APPROXIMATE PROPERTY LINE
- EXISTING PERIMETER DITCH LIMITS
- FEEDER DITCH
- BLOW DOWN LINE
- MW-101 ● EXISTING MONITORING WELL LOCATION AND IDENTIFIER
- VB-1 ▲ VACUUM BREAKER LOCATION AND IDENTIFIER
- HI-1 ○ TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER
- P-1 ○ TEMPORARY MONITORING WELL LOCATION AND IDENTIFIER
- [2,484] TRITIUM RESULT IN GROUNDWATER

- [Pattern] TRITIUM RESULTS 80,000 (PICOCURRIES/LITER)
- [Pattern] TRITIUM RESULTS 40,000
- [Pattern] TRITIUM RESULTS 30,000
- [Pattern] TRITIUM RESULTS 20,000
- [Pattern] TRITIUM RESULTS 10,000
- [Pattern] TRITIUM RESULTS 5,000
- [Pattern] TRITIUM RESULTS 3,000

DRAFT

figure

**ESTIMATED TRITIUM CONCENTRATIONS
DECEMBER 6, 2005
BRAIDWOOD STATION
Braceville, Illinois**

Homeowner Well Sampling - NRC

Home/Property Owner	Address	Phone	Sample Drawn or Date to be Drawn	Notes
[REDACTED]	Braidwood, IL 60408	[REDACTED]	Samples of the well were taken Dec. 1 -- no tritium above background was detected. Communicated Results back to resident on Dec. 2.	
[REDACTED]	Braidwood, IL 60408	[REDACTED]	Samples of the well were taken Dec. 1 -- no tritium above background was detected. Communicated Results back to resident on Dec. 2.	
[REDACTED]	Braidwood, IL 60408	[REDACTED]	Samples of the well were taken Dec. 1 -- no tritium above background was detected. Communicated Results back to resident on Dec. 2.	
[REDACTED]	Braidwood, IL 60408	[REDACTED]	Samples of the well were taken Dec. 2 -- no tritium above background was detected. Communicated Results back to resident on Dec. 4.	Exemption on 6
[REDACTED]	Braidwood, IL 60408	[REDACTED]	Samples of the well were taken on Dec 3 -- tritium levels were 1150 pCi/L. Communicated Results back to resident on Dec. 5.	
[REDACTED]	Braidwood, IL 60408	[REDACTED]	Samples of well taken on Dec. 5. No tritium above background was detected. Communicated Results back to resident on Dec. 6.	
[REDACTED]	Braidwood, IL 60408	[REDACTED]	Samples of well taken on Dec. 5. Received permission for sampling wells if needed. Communicated Results back to resident on Dec. 6.	

Ex 6

Offsite sample results as of 12/3/05.

pond 1800' west of undeveloped pond is at background tritium levels

