

**From:** Steven Orth *RTT*  
**To:** Braidwood Communications Team  
**Date:** 12/19/05 11:14AM  
**Subject:** Fwd: bwd iepa violation

Greetings,

Braidwood received the attached violation from IEPA.

Steve

**CC:** Bruce Burgess; jsr1

E-27

**From:** "NXS@NRC.GOV" <nxs@nrc.gov>  
**To:** "sko@nrc.gov" <sko@nrc.gov>  
**Date:** 12/19/05 10:15AM  
**Subject:** bwd iepa violation

**CC:** "RAS@NRC.GOV" <ras@nrc.gov>

DEC-16-2005 11:14

RECEIVED 12/16/2005 14:49

P.02/05



**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

1011 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 - (317) 782-3397  
JAMES R. THOMPSON CENTER, 100 WEST RUNDOLPH, SUITE 11-300, CHICAGO, IL 60601 - (312) 814-6026

ROD R. BLAGOJEVICH, GOVERNOR      DOUGLAS P. SCOTT, DIRECTOR

217785-0561

December 16, 2005

CERTIFIED MAIL # 7004 2510 0001 8643 9027

RETURN RECEIPT REQUESTED

Exelon Generation - Braidwood  
Attn: John Petro  
RR 1 Box 84  
Braidwood, IL 60407

Re: Violation Notice: EXELON GENERATION - BRAIDWOOD STATION  
Violation Notice No.: W-2005-00537

Dear Mr. John Petro:

This constitutes a Violation Notice pursuant to Section 31(a)(1) of the Illinois Environmental Protection Act, 415 ILCS 5/31(a)(1), and is based upon review of available information and investigation by representatives of the Illinois Environmental Protection Agency ("Illinois EPA").

The Illinois EPA hereby provides notice of violations of environmental statutes, regulations or

performs set forth in Attachment A to this letter. Attachment A includes an explanation of the activities that the Illinois EPA believes may resolve the specified violations, including an estimate of a reasonable time period to complete the necessary activities. However, due to the nature and seriousness of the violations cited, please be advised that resolution of the violations may also require the involvement of a prosecutorial authority for purposes that may include, among others, the imposition of statutory penalties.

A written response, which may include a request for a meeting with representatives of the Illinois EPA, must be submitted via certified mail to the Illinois EPA within 45 days of receipt of this letter. The response must address each violation specified in Attachment A and include for each, an explanation of the activities that will be implemented and the time schedule for the completion of each activity. Also, if a pollution prevention activity will be implemented, indicate that intention in any written response. The written response will constitute a proposed Compliance Commitment Agreement ("CCA") pursuant to Section 31 of the Act. The Illinois EPA will review the proposed CCA and will accept or reject the proposal within 30 days of receipt.

If a timely written response to this Violation Notice is not provided, it shall be considered a waiver of the opportunity to respond and meet, and the Illinois EPA may proceed with a referral to the prosecutorial authority.

ROCKFORD - 4302 North Main Street, Rockford, IL 61103 - (815) 987-7780 • DE PLAINS - 9211 W. Harrison St., Des Plaines, IL 60016 - (847) 294-4000  
ELOW - 599 South Shaw, Egan, IL 60123 - (847) 608-3131 • PEORIA - 3415 N. University St., Peoria, IL 61614 - (309) 693-5463  
BUREAU OF LAND - PEORIA - 2430 N. University St., Peoria, IL 61614 - (309) 693-3482 • CHAMPAIGN - 2725 South First Street, Champaign, IL 61820 - (317) 373-3800  
SPRINGFIELD - 4100 S. Sixth Street Rd., Springfield, IL 62706 - (217) 786-6851 • COLLINGSVILLE - 2009 Madison Street, Collinsville, IL 62334 - (618) 346-5120  
MADISON - 2109 W. Main St., Suite 11A, Madison, IL 62950 - (618) 993-7200

PRINTED ON RECYCLED PAPER

PAGE NO. 1 OF 2

ATTACHMENT A

EXELON GENERATION - BRAIDWOOD STATION, VIOLATION NOTICE NO. W-2005-00537:

Questions regarding the violations identified in this attachment should be referred to Gary Forsee at (217) 785-0561.

A review of information available to the Illinois EPA indicates the following violations of statutes, regulations, or permits. Included with each type of violation is an explanation of the activities that the Illinois EPA believes may resolve the violation including an estimated time period for resolution.

Groundwater Quality

No person shall cause, threaten, or allow the release of any contaminant to a resource groundwater such that treatment or additional treatment is necessary to continue an existing use or to assure a potential use of such groundwater, or such that the existing or potential use of such groundwater is precluded. Exelon Generation - Braidwood Station must cease and desist of any further violations of the Act.

<u>Violation Date</u>	<u>Violation Description</u>									
12/12/05	<p>Sampling results indicate violations of Section 12 of the Act, the General Prohibition Against Use Impairment of Resource Groundwater, and the causing of the groundwater quality standard of tritium (20,000 pCi/L) to be exceeded during the time period and at the location(s) designated below:</p> <table border="1"> <tr> <td>RW-2</td> <td>10.5 ft. depth</td> <td>58,621 pCi/L</td> </tr> <tr> <td>RW-2</td> <td>20.5 ft. depth</td> <td>170,024 pCi/L</td> </tr> <tr> <td>RW-2</td> <td>25 ft. depth</td> <td>223,888 pCi/L</td> </tr> </table> <p>Rule/Reg. Section 12(a), and (d) of the Act, 415 ILCS 5/12, 35 Ill. Adm. Code 620.115, 35 Ill. Adm. Code 620.301(a)(1) and (2); and 35 Ill. Adm. Code 620.410(e)(3).</p>	RW-2	10.5 ft. depth	58,621 pCi/L	RW-2	20.5 ft. depth	170,024 pCi/L	RW-2	25 ft. depth	223,888 pCi/L
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12/07/05	<p>Sampling results indicate violations of Section 12 of the Act, the General Prohibition Against Use Impairment of Resource Groundwater during the time period and at the location(s) designated below:</p> <p>Private well located at horse barn North of pond 1,151 pCi/L</p> <p>Rule/Reg. Section 12(a), and (d) of the Act, 415 ILCS 5/12, 35 Ill. Adm. Code 620.115, and 35 Ill. Adm. Code 620.301(a)(1) and (2).</p>									

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P.05/05

PAGE NO. 2 OF 2

ATTACHMENT A

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12/06/05	<p>Sampling results indicate violations of Section 12 of the Act, the General Prohibition Against Use Impairment of Resource Groundwater, and the causing of the groundwater quality standard of tritium (20,000 pCi/L) to be exceeded during the time period and at the location(s) designated below:</p> <p>VB-3-4 58,489 pCi/L            VB-3-3 43,894 pCi/L            VB-3-2 32,830 pCi/L            VB-3-6 53,572 pCi/L            P-4 33,736 pCi/L            RW-2 33,736 pCi/L</p>
	<p>Rule/Reg. Section 12(a), and (d) of the Act, 415 ILCS 5/12, 35 Ill. Adm. Code 620.115, 35 Ill. Adm. Code 620.301(a)(1) and (2), and 35 Ill. Adm. Code 620.410(e)(3).</p>
12/01/05	<p>Sampling results indicate violations of Section 12 of the Act, the General Prohibition Against Use Impairment of Resource Groundwater during the time period and at the location(s) designated below:</p> <p>Pond located just north of Smiley Rd. and west of the blow-down line. 2,347 pCi/L            2,464 pCi/L</p>
	<p>Rule/Reg. Section 12(a), (d), and (f) of the Act, 415 ILCS 5/12.</p>

TOTAL P.05



## ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 - (217) 782-3397  
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ROD R. BLAGOJEVICH, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

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 Attn: John Petro  
 RR 1 Box 84  
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The Illinois EPA hereby provides notice of violations of environmental statutes, regulations or permits as set forth in Attachment A to this letter. Attachment A includes an explanation of the activities that the Illinois EPA believes may resolve the specified violations, including an estimate of a reasonable time period to complete the necessary activities. However, due to the nature and seriousness of the violations cited, please be advised that resolution of the violations may also require the involvement of a prosecutorial authority for purposes that may include, among others, the imposition of statutory penalties.

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 MANTON - 2309 W. Main St., Suite 116, Mazon, IL 62959 - (618) 993-7200

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Page 2 of 2  
EXELON GENERATION - BRAIDWOOD STATION  
VN W-2005-00537

Written communications should be directed to BEVERLY BOOKER at the ILLINOIS EPA,  
BUREAU OF WATER, CAS #19, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276. All  
communications must include reference to this Violation Notice number, W-2005-00537.

Questions regarding this Violation Notice should be directed to Gary Forsee at 217/785-0561.

Sincerely,

*Michael S. Garretson /rc*

Michael S. Garretson, Manager  
Compliance Assurance Section  
Bureau of Water

Attachment

cc: Melburg, Peg

bcc: Gary Forsee/02 File  
Beverly Booker  
Dave McMillan, PWS  
Elgin Region, PWS  
Connie Tonsor, DLC  
Chuck Gunnarson, DLC  
Terri LeMasters, PWS  
Marcia Willhite



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