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Fact Sheets and Maps

U.S. EPA Fact Sheet

This document provides important facts regarding tritium as provided by the U.S. Environmental Protection Agency.

Off-Site Tritium Map

The small area marked with a red line on this aerial photo outlines the area of groundwater tritium that is above the U.S. EPA upper limit for safe drinking water (the limit is 20,000 picocuries of tritium per liter of water). There are no drinking water wells in this area, which is mostly on Braidwood plant property. Water drawn from outside the red area poses no health or safety hazard.

The slightly bigger area marked with a blue line indicates the area in which groundwater test wells have shown above one fourth of the limit. There are no drinking water wells in this area. The larger area marked by the green line outlines the area where lower concentrations of tritium were found. There is one private drinking water well in this area, measuring 1,550 picocuries per liter of tritium.

Blowdown Line Map

Here is an aerial photo of the Braidwood area with markings indicating the "blowdown line" that carried the tritium prior to Nov. 23, 2005. The "VB" labels along the line indicate locations and numbers of vacuum breakers, the devices that have malfunctioned in the past causing the leaks. Since Nov. 23, the blowdown line has carried only lake water, which is pumped in and out of the lake to keep it fresh. The outflow from the lake is through this blowdown line.

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0 200 600R

DRAFT

LEGEND

--- BLOW DOWN LINE

----- TRITIUM RESULTS >200

----- TRITIUM RESULTS >5000

----- TRITIUM RESULTS >20000

----- PLANT PROPERTY LINE



