

Interim Remediation – Equipment Fact Sheet

What will the pump and other equipment do?

The pump is a 95 horsepower submersible, wide base pump attached to a pipe that runs from the pond to the blowdown pipe. Other facts about the pump:

- It can pump up to 1,000 gallons of water a minute.
- It will likely take 42 days to pump out about seven feet of pond, or about half the water at its deepest point.
- The fully submersible pump is attached to a pipe that leads out of the pond and under Smiley Road.



A new pipe has been installed that feeds into the discharge pipe (blowdown line) that takes effluent away from the Braidwood Generating Station. Other facts about the pipe:

- About 800 feet of new pipe was installed.
- Most of the new pipe is underground and protected from the elements. But a portion of the pipe is above ground, and that section is insulated with heat trace.
- The new pipe will attach to one of the vacuum breakers of the blowdown line.
- The new pipe is 8 inches in diameter in the pond, then 10 inches in diameter from the pond to the blowdown line.
- A monitoring system will alert Braidwood operators if there is any leakage of the vacuum breakers.
- The blowdown line is 48 inches in diameter and will carry over 20,000 gallons per minute of clean dilution water.
- The resultant tritium concentration of the water after mixing will be less than 1% of the safe drinking water limit.