

216-S-10 Pond and Ditch

Closing Unit #14

- Wastewater was sent to the ditch beginning in 1951. Workers added the pond in 1954 for more disposal capacity.
- Just outside the SW corner of Hanford's 200 West Area, the pond covered about 5 acres, being about 8 feet deep at its deepest point.
- The ditch is 2,250 feet long, at least 6 feet deep, and 4 feet wide at the base.
- Both were decommissioned in 1991.

Where did the waste come from?

The pond and ditch received wastewater from REDOX's chemical sewer. ("REDOX" was a plutonium-processing plant used from 1951 until 1967.) The water either evaporated or infiltrated into the ground. Most chemical discharges were acidic and caustic effluents from backwashing to regenerate the demineralizer columns.

What will happen to the site?

Tri-Party Agreement milestone M-037-03 requires a closure plan for the 216-S-10 Pond and Ditch by April 30, 2014. Milestone M-037-11 requires the pond's and ditch's closure by 2016. Cleanup will meet CERCLA and RCRA Corrective Action requirements.

How does this part of the permit differ from the usual?

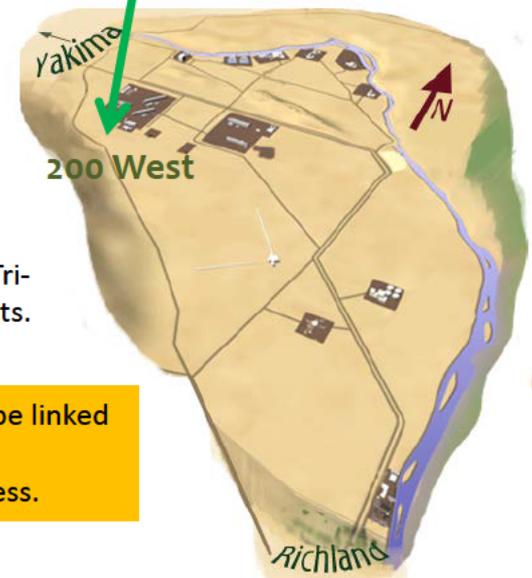
Like many at Hanford, this site has radioactive discharges the permit doesn't regulate. With the Tri-Party Agreement, we will make sure all the waste is addressed, not just the dangerous waste parts.

Decommissioned pond



Final cleanup plan due in April 2014

216-S-10 Ditch



What's the risk?

The groundwater below this site is contaminated, but it can't be linked conclusively to the pond and ditch (other sources are nearby). Groundwater cleanup will address the contamination, regardless.

