



Storage Tank Inspections

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 WISCONSIN DEPARTMENT OF AGRICULTURE, TRADE AND CONSUMER PROTECTION
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1

OVERVIEW

- What is inspected and why?
- Plan review
- Install process
- Registration
- Routine inspection
- Investigations
- Closure process

Aboveground



Underground





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2

ATCP 93 - FLAMMABLE, COMBUSTIBLE, OR HAZARDOUS LIQUIDS

- Focus on groundwater protection and fire safety
 - Installation, maintenance, inspection requirements
- Underground storage tanks greater than 60 gallons
- Aboveground storage tanks greater than 5,000 gallons
- DATCP partners with WIDNR when there is a release of flammable, combustible, or hazardous liquid



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3

EPA

- Much of ATCP 93 rule is influenced by federal EPA rules regarding flammable, combustible, or hazardous liquids
- The EPA provides grant funding to DATCP to conduct preventative maintenance inspections on underground storage tank systems
- EPA conducts limited storage tank inspections within Wisconsin
 - EPA has citation authority for violations of federal law



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4

PLAN REVIEW

- Department review of storage tank system before installation
- Ensures storage tank system meets adopted standards
 - Fire safety
- Ensures storage tank system components meet material approvals
 - Fuel compatibility, equipment meets leak detection requirements
- Assists inspection staff at installation
 - Inspection staff have reference to what is being constructed
 - Inspection staff know what to verify



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5

INSTALLATION

- Three inspections after plan approval
 - Pre-construction meeting
 - The site has been prepped for underground storage tank placement
 - “Air” and “hydro” of piping and containment sumps
 - Ensuring connections are liquid tight
- Pre-commissioning start up
 - Final inspection where inspector reviews all construction and documentation
 - Inspector signs off that the site is ready for operation
 - Registration documentation is submitted to the DATCP office



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6

INSTALLATION PHOTOS



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7

INSTALLATION PHOTOS



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8

TESTING OF PRODUCT LINES “AIR AND HYDRO”



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9

REGISTRATION

- Per Wis. Stat. ch. 168.28 DATCP has a historical record of all applicable underground and aboveground storage tanks
 - Lists the status of each tank and location
 - Assists fire departments when responding to fires or investigations
 - Real estate transactions
 - Location for inspection to prevent land and water contamination



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10

ROUTINE INSPECTIONS

- Per EPA grant agreement, DATCP inspects federally classified underground storage tanks at least once every 36 months
- DATCP maintains a 12–24 month inspection frequency, as the Bureau of Weights and Measures deems these inspections the highest priority
- Inspections verify:
 - Ongoing owner/operator maintenance
 - Records associated with leak detection, inventory, and storage tank integrity
 - Safety equipment is functioning



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11

INVESTIGATIONS

- Fuel quality
 - Consumer complaint
 - Broken down vehicle
 - Routine inspection
- Equipment failure
 - Identified at routine inspection
 - Identified by service companies at annual functionality testing
 - Compliant – Collaborate with WIDNR, fire departments, consumers, employees



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12

CLOSURE

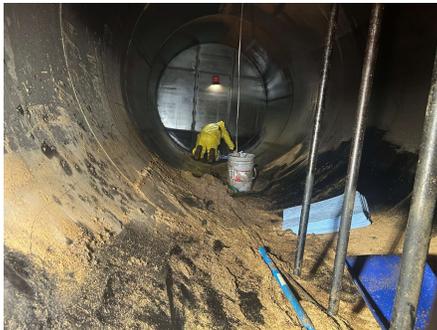
- Owner/operator submits closure documents to DATCP with 5-day notification
- Inspector assigned to witness closure taking place
 - Verifies:
 - Safely completed by credentialed staff
 - Storage tank site does not have a release
 - Storage tank removed and cleaned
- Update the storage tank database
 - Closed storage tanks remain in the database



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13

CLOSURE PHOTO



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14



Questions?

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