




**COMPARISON OF ASTM E1527-13,  
STANDARD PRACTICE FOR ESAs vs. WIS.  
STATS. CH. 292.21, ENVIRONMENTAL  
ASSESSMENT REQUIREMENTS**

Proactive By Design.  
Our Company Commitment.

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**SITE RECONNAISSANCE**

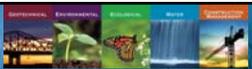
**ASTM E1527-13**

- Interior and Exterior site features must be observed

**Wis. Stat. Ch. 292.21**

- Visual inspection of the real property and visual inspection/description of personal property that may constitute hazardous waste or hazardous substance or that has a significant risk of discharge

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**RECORDS REVIEW**

**ASTM E1527-13**

- **Standard Federal, State and Tribal Record Sources**
  - i.e., Federal NPL list, RCRA CORRACTS facilities list, leaking storage tank list, etc.
- **Additional Federal, State, Tribal and Local Record Sources**
  - i.e., Fire Department records, Building Permit records, Department of Health records

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**RECORDS REVIEW**

**ASTM E1527-13 (Cont.)**

- **Physical Setting Sources**
  - i.e., USGS Topo Map (required), USGS Geological Survey Maps, SCS Soil Maps, etc. (discretionary)
- **Standard Historical Sources**
  - i.e., aerial photos, Fire Insurance Maps, city directories, Building Department records, land title records, etc.
  - Uses must be identified back to first developed use or 1940, whichever is earlier
  - Not all sources listed above must be consulted, but if land title records reviewed, at least one additional Standard Historical Source must be reviewed

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### RECORDS REVIEW

Wis. Stat. Ch. 292.21

- Ownership and Use History, Including Search of Title Records for Period of 80 Years
- Historic and Recent Aerial Photos, if Available
- Environmental Licenses, Permits, or Orders Issued With Respect to the Property
- Evaluation of the Results of Any Environmental Sampling and Analysis That has Been Conducted

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### RECORDS REVIEW

Wis. Stat. Ch. 292.21 (Cont.)

- Federal/State Database Listings to Determine if the Property is Listed in any Written Compilations Considered to Pose a Threat to Human Health/Environment, Including:
  - NPL list
  - USEPA's CERCLIS list
  - WDNR's database of environmentally contaminated sites

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### INTERVIEWS

ASTM E1527-13

- Key Site Manager
- Occupants of the Property
- Past Owners, Operators, Occupants (if information is not duplicative)
- State and/or Local Government Officials
  - Reasonable attempt to interview at least one official from any one of the following:
    - Local Fire Department
    - State/local Health Agency
    - Local Agency responsible for building permits or groundwater use permits

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### INTERVIEWS

Wis. Stat. Ch. 292.21

- No Specific Requirement

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### ON-SITE SAMPLING/ANALYSIS

ASTM E1527-13

- **No Specific Requirement**

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### ON-SITE SAMPLING/ANALYSIS

Wis. Stat. Ch. 292.21

- **Collection/Analysis of Soil/Other Materials in the Ground Suspected of Being Contaminated Based on Visual Inspection of the Property, Aerial Photos, or Other Information**
  - e.g., stained soil, stressed vegetation
  - Shall identify contaminants in the soil or other materials in the ground
  - Shall quantify concentrations
- **Collection/Analysis of Unknown Wastes/Potentially Hazardous Substances and Determination of Concentrations of Hazardous Wastes/Hazardous Substances Found in Tanks/Drums/Other Containers or in Piles/Lagoons**

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### MISCELLANEOUS

ASTM E1527-13

- **Requires User Questionnaire**
  - Submission of questionnaire to "User" regarding knowledge of property

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