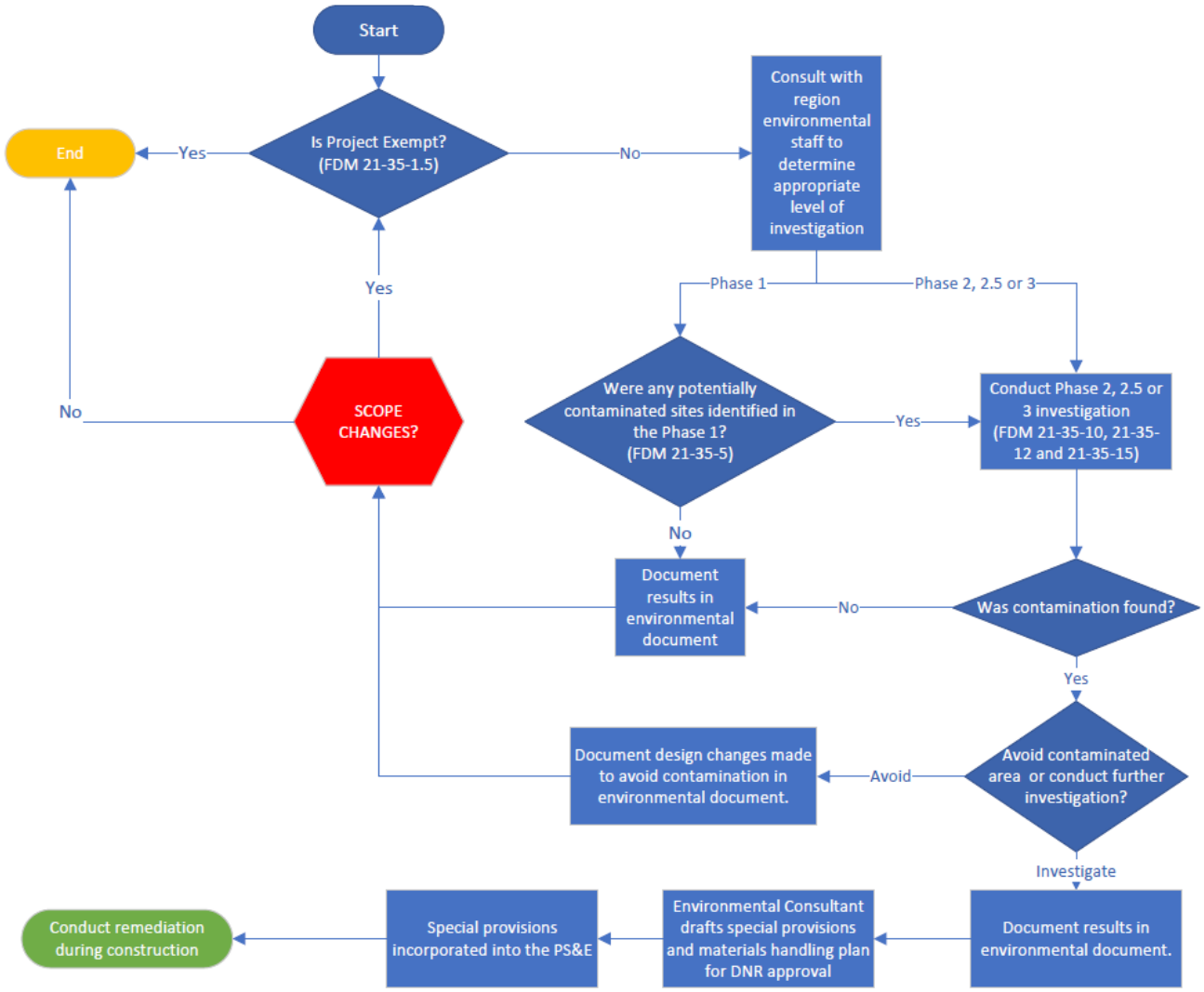

Start
Is Project Exempt? (FDM 21-35-1.5)
Yes
End
No
Consult with region environmental staff to determine appropriate level of investigation
Phase 1
Phase 2, 2.5 or 3
Were any potentially contaminated sites identified in the Phase 1? (FDM 21-35-5)
Yes
Conduct Phase 2, 2.5 or 3 investigation (FDM 21-35-10, 21-35-12 and 21-35-15)
No
Was contamination found?
No
Document results in environmental document
Yes
Avoid contaminated area or conduct further investigation?
Avoid
Document design changes made to avoid contamination in environmental document.
Investigate
Document results in environmental document.
Environmental Consultant drafts special provisions and materials handling plan for DNR approval
Special provisions incorporated into the PS&E
Conduct remediation during construction
SCOPE CHANGES?
Yes
No

Hazardous Materials Assessment Schedule and Relationship to Facilities Development Process

PROJECT DEFINITION	PROJECT DELIVERY			PROJECT PROPOSAL EXECUTION		PROJECT COMPLETE
Project Life Cycle 10 Initial Program Estimate	Project Life Cycle 11 Program Level Scoping	Project Life Cycle 12 Project Management Plan Approved	Project Life Cycle 15 Design Study Report	Project Life Cycle 20 PS&E – non-let document submittal	Project Life Cycle 40 Award Estimate	Project Life Cycle 50 Final Cost
Phase 1 investigation and asbestos inspections conducted	Phase 2, 2.5 and 3 investigations scheduled and conducted	Results of additional hazmat investigations incorporated into environmental document	Materials handling plan and special provisions completed and approved by DNR. Special provisions incorporated into PS&E package, contamination locations identified on plan sheets	Review project for scope changes and submit revised materials handling plan and special provisions to DNR for approval before submitting for letting	Phase 4 remediation during construction, environmental consultant prepares waste profiles and documentation of management of contaminated soil and groundwater during construction. Final report sent to DNR documenting compliance with materials handling plan.	Additional work after construction completion becomes the responsibility of ESS. Ongoing remediation, continuing obligations, annual cap maintenance inspections and reporting.

WisDOT Phase 1 Hazardous Materials Assessment Site Summary

See FDM 21-35 A5.1 File 1 for a working copy of this document.

Instructions: following FDM 21-35-5, perform site assessment, fill in information for each site investigated. Multiple sites with no identified environmental concerns may be summarized on one form.

Recommendation acceptance/rejection/modification should be completed and signed by the person with the authority to make project decisions (for example: region hazardous materials coordinator, project manager, local road project manager or management consultant)

WisDOT Project ID:
Highway/Street: USH, STH, CTH or Local Road Name
Termini/Limits: From To
County(ies):

Property Information:

Site Name(s): Business name or other name given to site
DOT parcel number (if known):
Property Address: Include complete street address, including city, state, and zip code
Owner's Name:
Owner's Address:
Owner's Phone: Include area code
Current Land Use:
Past Land Use:

Real Estate Requirements:

☐ None ☐ Total take ☐ Strip acquisition of ☐ feet
☐ Temporary Limited Easement (TLE)
☐ Permanent Limited Easement (PLE)
☐ Other (describe)

Construction Requirements:

☐ Excavation within current right of way to a depth of feet
☐ Excavation within proposed right of way to a depth of feet
☐ Excavation within easement to a depth of feet
☐ Public or private utility or sanitary or storm sewer installation or excavation to a depth of feet

Information from database searches and interviews:

Department of Agriculture, Trade, and Consumer Protection (DATCP)

☐ site has __ (number) registered tanks ☐ ASTs __ (number) ☐ USTs __ (number)
☐ tanks are currently in use __ (number)
☐ some __ (number) ☐ all tanks are abandoned. Date(s):
Tank contents and total number of tanks, both in place and abandoned:
☐ Leaded gasoline __ (number) ☐ Unleaded gasoline __ (number)
☐ Fuel Oil __ (number) ☐ Diesel __ (number)
☐ Kerosene __ (number) ☐ Unknown __ (number) ☐ Other (describe)
Comments:

Department of Natural Resources (DNR)

☐ site is a DNR administered LUST site; BRRTS number:
☐ site is a DNR administered ERP site; BRRTS number:
☐ site is a closed ☐ LUST ☐ ERP site; closure date:
☐ site is a landfill
☐ site is an abandoned waste disposal site
☐ site is a hazardous waste generator. EPA Generator ID:
☐ site is a spill site
☐ site has continuing obligations (attach copy of closure letter with continuing obligations)
☐ Other (please describe)

Sanborn Maps: site is a ☐ on map dated ☐ Comments: ☐
WisDOT historic plan sets: site is a ☐ on project ☐ dated ☐ Comments: ☐
Business directories: site is a ☐ in the directory dated ☐ Comments: ☐
A check in a checkbox indicates a positive or "yes" response.
Aerial photos: site is a ☐ on photo dated ☐ Comments: ☐
☐ Contamination discovered at ☐ feet during utility or other excavation in the area. Indicate location on site map.
Interview Information or other comments: ☐

Visual Evidence of Potential Contamination: (include additional information in space provided)

☐ No evidence of tanks
☐ USTs ☐ ASTs Location, number and condition of tanks, contents, comments: ☐
Location in relationship to current right of way: ☐ ☐ map attached
Location in relationship to proposed right of way: ☐ ☐ map attached
☐ Drums ☐ Stained soils ☐ Odor ☐ Sheen on surface water ☐ Areas of excavation
☐ Areas of fill ☐ Stressed vegetation ☐ Pond(s) ☐ Basins/sumps ☐ Monitoring wells
☐ Soil borings
Comments: ☐

Potential for Contaminant Migration: (attach supporting documentation such as plume maps, summaries of site investigation or closure reports).
☐ Property is a potential source of contamination
☐ Adjacent property is a potential source of contamination. Include site name and address or BRRTS number if known, describe location, and include contaminant type and any additional information
☐ Contaminated soil within proposed right of way from ☐ feet to ☐ feet below ground surface
☐ Contaminated groundwater within proposed right of way at ☐ feet below ground surface.
☐ Contaminated soil or groundwater within existing right of way. Attach copy of most recent investigation and plume maps or DNR form 4400-286 and plume maps.

Attachments – required
☐ Site photographs and a site map showing areas of concern
☐ Plat map showing parcel and any proposed areas of acquisition or easement
☐ Historic aerial photos of site - clearly outline site
☐ Historic WisDOT or other as-builts and plat maps - clearly outline site
☐ Plume maps for known contamination. Indicate existing or proposed right of way on plume maps where applicable.

☐ Closure letter with continuing obligations for sites closed with continuing obligations

Recommendations

☐ No additional hazardous materials investigation is required.
☐ If construction or real estate requirements change, evaluation of need for further investigation will be necessary.
☐ Information is sufficient to use Standard Special Provisions. Copy of completed Standard Special Provision is attached.
☐ Conduct additional investigation
- ☐ Phase 2 (determine if contamination is present)
- ☐ Phase 2.5 (determine extent of contamination within existing R/W only)
- ☐ Phase 3 (determine full extent of contamination prior to acquisition)
- ☐ Phase 4 (remediate site)
- ☐ Other (describe) ☐

☐ Site has continuing obligations. Coordination with DNR will be required.

Prepared by: (Name) ☐ on ☐
Recommendations ☐ accepted ☐ modified ☐ rejected by: (Name and title) ☐ on ☐

Modifications: ☐

Signature of person accepting/modifying/rejecting recommendations: _____

A check in a checkbox indicates a positive or "yes" response.

Contaminated Site Investigation Request

Email the completed document and attachments
To: DOT HAZMAT UNIT

See FDM 21-35 A10.1 File 1 for a working copy of this document.

Date:
From:
Email:

Project ID: (please enter the currently open and authorized ID)
Highway:
Termini:
County/Counties:
Project Schedule: Shelf Date:
Real Estate Acquisition:
PS&E
Let:

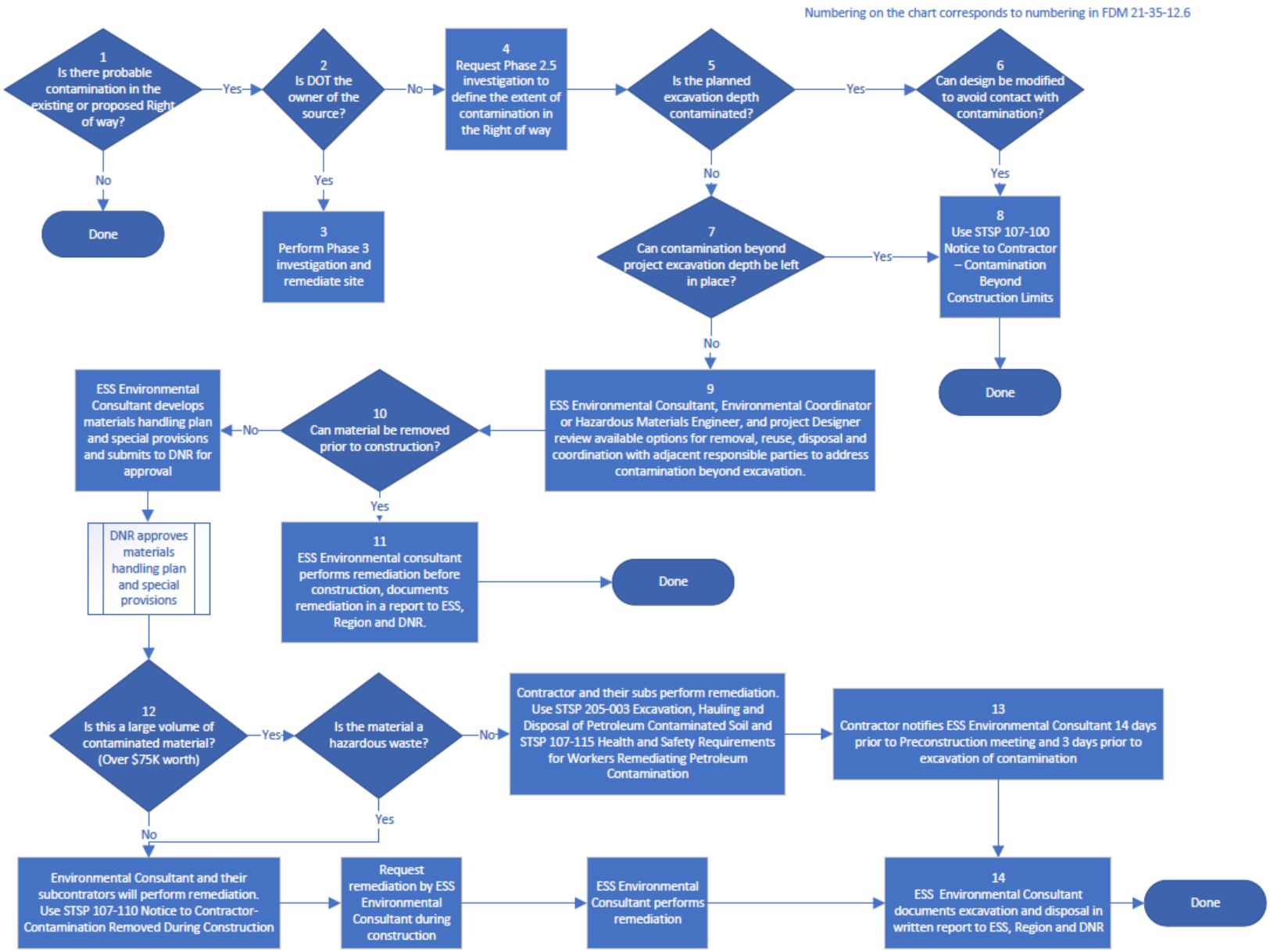
Due Date for Reports:
Region Contact for the project:
Email:
Phone:

Project Description:
Work to be performed:
☐ Phase 1 on:
☐ Phase 2 on:
☐ Phase 2.5 on:
☐ Phase 3 on:
☐ Phase 4 ☐ Tank Pull on
☐ Remediation on
☐ Contaminated material management during construction

COMMENTS:

Attachments:
Include copies of or links* to
☐ Project Plan Set Click here to enter text.
☐ Previous site investigations
☐ Historic Aerial Photos
☐ Asbuilts
☐ Historic RE Plats
☐ Project plat showing parcel numbers and planned acquisitions

* Note: If the link you provide is a BOX link, make sure that the link is Externally shareable and that "anyone with the link" can access the files for download so that our consultant partners can get to the documents. If referencing a LAN drive, use full file path e.g., Mad00FP1\W4BEES\ not drive designations like W: or N: since these are different for each region and bureau.


Numbering on the chart corresponds to numbering in FDM 21-35-12.6
1 Is there probable contamination in the existing or proposed Right of way?
Yes
No
Done
2 Is DOT the owner of the source?
Yes
3 Perform Phase 3 investigation and remediate site
No
4 Request Phase 2.5 investigation to define the extent of contamination in the Right of way
5 Is the planned excavation depth contaminated?
Yes
6 Can design be modified to avoid contact with contamination?
Yes
8 Use STSP 107-100 Notice to Contractor – Contamination Beyond Construction Limits
Done
No
7 Can contamination beyond project excavation depth be left in place?
Yes
No
9 ESS Environmental Consultant, Environmental Coordinator or Hazardous Materials Engineer, and project Designer review available options for removal, reuse, disposal and coordination with adjacent responsible parties to address contamination beyond excavation.
10 Can material be removed prior to construction?
No
ESS Environmental Consultant develops materials handling plan and special provisions and submits to DNR for approval
DNR approves materials handling plan and special provisions
Yes
11 ESS Environmental consultant performs remediation before construction, documents remediation in a report to ESS, Region and DNR.
Done
12 Is this a large volume of contaminated material? (Over $75K worth)
Yes
Is the material a hazardous waste?
No
Contractor and their subs perform remediation. Use STSP 205-003 Excavation, Hauling and Disposal of Petroleum Contaminated Soil and STSP 107-115 Health and Safety Requirements for Workers Remediating Petroleum Contamination
13 Contractor notifies ESS Environmental Consultant 14 days prior to Preconstruction meeting and 3 days prior to excavation of contamination
Yes
No
Environmental Consultant and their subcontrators will perform remediation. Use STSP 107-110 Notice to Contractor-Contamination Removed During Construction
Request remediation by ESS Environmental Consultant during construction
ESS Environmental Consultant performs remediation
14 ESS Environmental Consultant documents excavation and disposal in written report to ESS, Region and DNR
Done

Hazardous Material Management Checklist

Transportation Infrastructure Design and Construction through Areas of Contaminated Soil and Groundwater or Other Hazardous Materials

A. Project Management

1. Get assistance from the region hazardous materials specialist or environmental coordinator. If no region hazmat or environmental staff are available, contact the Bureau of Technical Services, Environmental Services section directly.
2. Request a Phase 2.5 or 3 work order from BTS-ESS a **minimum** of 12 months prior to the PS&E. The Investigative and project planning services typically include:
    a. Contracting for environmental consultant services;
    b. Performing detailed environmental site assessments (field testing);
    c. Developing and negotiating hazardous materials handling plans and excavation management plans;
    d. Obtaining DNR concurrence for hazardous material handling and excavation management plans;
    e. Collecting samples for waste characterization analysis, beneficial reuse evaluation, and obtaining treatment or disposal pre-approvals from the nearest licensed facilities;
    f. Completing standard special provisions and detail drawings, or writing special provisions for notices to contractor, construction means and methods, schedule of operations, basis of payment and any unique detail drawings;
    g. Estimating quantities of contamination to be removed;
    h. Preparing plan sheets showing areas of contamination (plan, profile and cross-section views);
    i. Recommending cost share based on design, source areas of contamination, environmental regulations and DOT policy;
    j. Providing and evaluating bid item estimates for the let contract;
    k. Assigning the Department's Environmental Consultant and providing contact information in the LET contract for coordination and inspection and documentation of waste management or remediation activities conducted during construction;
3. Request a Phase 4 work order from BTS-ESS once the construction ID is open and authorized for charging. These remediation services typically include:
    a. Excavating contamination and managing proper disposal of waste including contaminated groundwater from dewatering operations
    b. Providing services as outlined in the construction special provisions, including documenting and reporting waste management and handling activities and environmental compliance for the Department and DNR.
    c. Responding to construction emergencies (situations where petroleum or other soil and groundwater contamination or underground storage tanks are discovered during construction).
4. All WisDOT Phase 4 work included in the Let contract must be coordinated with BTS-ESS and their environmental consultant. BTS-ESS has contracts in place to provide this service which is billed back to the construction project. For the local roads program, the municipality is responsible for contracting and managing Phase 4 activities, but at the request of the municipality, the local road program management consultant, or the region, BTS-ESS will provide this service and the charges will be billed back to the construction project.
5. A method for Phase 4 hazardous materials management/remediation is to provide a notice to contractor that remediation will be performed by others using STSP 107-110 and allow a specified time window during construction for that work to be performed. A BTS-ESS consultant or the Responsible Party's consultant performs the work. This method requires considerable coordination between the prime, the prime's subcontractors and the remediation consultant.

Variations in weather and project schedule can complicate this coordination. Allow an adequate number of working days in the STSP and ensure that weather delays are covered in the special.

6. Phase 4 tasks can be included as bid items in the Let contract. This usually includes excavation and disposal of contaminated soil, and occasionally there is a need for properly managing contaminated groundwater (could be either an incidental cost or a bid item) constructing contamination migration barriers or protecting groundwater monitoring wells (usually through a notice to contractor).
7. A Pre-bid meeting is recommended for any of the following situations:
    a. The contractor is required to manage contaminated soils on site by construction of an engineered liner or cover;
    b. The contractor will build part of an engineered remediation system;
    c. A large volume of contaminated material will be handled (>5000 cy)
    d. Coordination with a Responsible Party for contamination management during construction is necessary;
    e. The project manager believes that a pre-bid meeting will help inform contractors of unusual conditions.
    f. Hazardous waste is present on the project.
8. Review the State-municipal agreement to determine the cost share for contamination management and complete or revise cost share agreements. This is based on Responsible Party status and who will be on record as the generator of waste. Cost shares will vary depending on the project specifics.
    a. Standard Cost Shares (e.g. 80% federal 20% state or local)
    b. 100% locally funded (e.g. only local work encounters contamination)
    c. 100% state funded (WisDOT is the responsible party)
    d. Other percentage breakdowns depending on the participation of federal, state, local and private party responsibilities.
9. Use STSPs and their associated bid items and add categories to allocate cost shares as necessary.
10. Evaluate the bid item estimate and acceptable price range. Consult with BTS-ESS and recognize price changes in the marketplace over time (consider the time between planning, design, let, bid and construction dates).

B. Design Related Issues

1. Avoid contaminated areas only when it is practical. Weigh the environmental costs and benefits of using a contaminated area vs. involvement in a wetland or an archaeological site.
2. Minimize the disturbance of contaminated soil or water that has been allowed to be left in place (continuing obligation sites).
    a. Reduce cut section
    b. Use geotextile membranes or impermeable liner materials
    c. Use sewer liners instead of sewer replacement
    d. Control contractor operations through contaminated areas (specify narrow trenching equipment at discrete locations) and
    e. Use horizontal boring technology or new methods vs. traditional excavation trenching when the method will not increase the possibility for contamination migration.
3. Beware of last-minute design changes, particularly local and utility work, which may cause the project to encounter contamination which would otherwise have been avoided. Revised waste management plan, drawings, notes to contractor and STSPs will be required.
4. Notify WisDOT utility and R/W permit coordinators of known contaminated areas within project limits. Follow the Highway Maintenance Manual chapter 9.15 (WisDOT Utility Accommodation Policy) and Chapter 9.15.50 Discovery of Environmental Conditions when site assessments are performed as part of the Department's project investigations.
5. Protect or arrange for the proper abandonment of wells and drillholes by a licensed well driller or pump installer per DNR codes NR 812.26 Well and drillhole filling and sealing, or NR 141.25 Abandonment Requirements for boreholes and monitoring wells. WisDOT is not responsible for abandoning wells or remediation systems unless the Department installed them. However, if the Responsible Party does not remove these features in time for construction, it may be necessary for the Department to assume that responsibility. The cost is billed to the project ID. Contact BTS-ESS for help. There is significant liability associated with improper well abandonment. Well

protection should be called out in the construction special provisions. (STSP 640.001 for well protection, Standard Specification 204.3.3.3 for well abandonment).

6. Determine if there is a need for contaminant migration barrier. New construction (sewers, backfill, bedding under-drains, other infrastructure etc.) must not create a conduit for contamination migration to new locations or worsen the existing contaminant conditions (e.g. causing petroleum vapors to migrate to buildings along utility lines). A low permeability controlled low strength material (CLSM or "flowable fill" or some other engineering option may become necessary to use in areas of contamination.
7. It may be necessary to specify anti-seep collars, seal joints, or other special connections for sewers and water mains.
8. DNR may require special piping for water mains constructed through contaminated soils, coordinate with WDNR Drinking Water and Groundwater Staff to ascertain material type for water main work.
9. Standard Special Provisions (STSPs) are available for some Phase 4 work.
    a. 107-100 – Notice to Contractor – Contamination Beyond Construction Limits
    b. 107-105 – Notice to Contractor- Contamination Removed Before Construction
    c. 107-110 – Notice to Contractor – Contamination Removed During Construction
    d. 107-115 – Health and Safety Requirements for workers Remediating Petroleum Contamination
    e. 107-130 creosote contaminated lumber
    f. 205-003 – Excavation, Hauling and Disposal of Petroleum Contaminated Soil with Bid Item 205.0501.s
    g. 205-005 Excavation, Hauling and Disposal of Creosote Contaminated Soil and Management of Contaminated Groundwater with bid item 205.0505.S
    h. 205-006 Excavation, Hauling and Disposal of Creosote Contaminated Soil with bid item 205.0506.S
10. The BTS-ESS consultant should write or review the Special Provisions for the region and ensure that they conform with the DNR approved materials handling plan. Each project is unique and the STSP "canned language" does not apply to all projects and should never be used without review by the region's Environmental or Hazmat Coordinator or BTS-ESS.
11. Show all estimated areas of contamination or special management zones on the plan and profile sheets and cross-sections. As a precaution to design changes during construction, also show areas of contamination adjacent to project limits and beneath expected grading depths. BTS-ESS responds to several construction emergencies each year because of a field decision to move a structure or change a grade into a known zone of contamination. Refer to FDM 21-35-20 figures 20.2, 20.3 and 20.4, or contact BTS-ESS for examples of plan sheets indicating areas of contamination or special management.
12. Prepare notes to the construction engineer as needed.

C. Construction Related Issues

1. Confirm that the proposed waste management tasks and schedule, as specified in the special provisions and shown on the plan and profile sheets are indeed feasible during construction. Think about staged construction, detours, down time for special events, (e.g. festivals), stockpile locations, (odors or nuisance issues), hauling, dewatering flow rates, and coordination with outside contractors and utility companies. Think about the magnitude of the project, scale of construction machinery, and likely construction methods. Some waste management tasks are simple, others are not, and all are a function of complexity, timing and scale.
2. If WisDOT is the generator of waste, there are disposal restrictions and limitations on disposal locations to reduce the risk and liability for the Department. Consult with your region environmental or hazardous waste coordinator, or with BTS-ESS regarding appropriate disposal locations.
3. There are fewer disposal restrictions if the municipality or responsible party accepts generator status for waste disposal. Consult with your region environmental or hazardous waste coordinator or BTS-ESS.
4. Beware of a change in field conditions and check with your region environmental coordinator or hazardous waste coordinator before changing grading depths or locations of subsurface utilities and structures near or in contaminated areas.
5. Do not modify the Hazardous Materials or Excavation Management Plan without consulting with the region environmental or hazardous materials coordinator or BTS- ESS and with DNR. In

particular, if contaminated soil or material is approved to be beneficially reused on a project, do not change the disposal location as specified without concurrence from BTS-ESS and DNR.

6. Beware of geotechnical limitations when planning the re-use of contaminated or treated material. It is common to try and re-use low level contaminated soils or treated waste material on projects, but it is equally common that this material is unsuitable for roadbed material or drainage swales.
7. Select stockpile locations prior to construction and have a contingency to store extra material or USTs. It is important to note that hazardous material or contaminated soil stockpiles must be covered and maintained, and they are often controversial to the local public (concerns regarding odors, perceived environmental threats, aesthetics etc.). Stockpiles **must** be placed on base material impervious to the contaminant and to water, such as concrete, asphalt, plastic sheeting or an impervious construction fabric.
8. DNR stockpile requirements for contaminated materials are specified in NR 718.05 Storage of excavated contaminated soils. Additional volume limitations (<2500 cy), transportation requirements, treatment requirements, storage duration requirements and other key items are described entirely in chapter NR 718, Management of Solid Wastes Excavated During Response Actions. Usually the location criteria are critical for WisDOT. Per NR 718.05 **the following locations are off limits** for contaminated material storage: (NOTE: in unique circumstances WisDOT may be able to obtain an exemption from these location criteria from DNR. Contact BTS-ESS for assistance).
    a. Within a floodplain
    b. Within 300 feet of any wetland or critical habitat
    c. Within 300 feet of any navigable river, stream, lake, pond or flowage
    d. Within 100 feet of any water supply well for on-site storage, or within 300 feet of any water supply well for off-site storage.
9. In addition to the DNR requirements described above, WisDOT has its own risk management requirements for contaminated material stockpiles:
    a. Stockpiles should be located within the project limits
        1. If a stockpile cannot be located within project limits it should be on WisDOT or local county/municipality owned property (fee title ownership, not easement).
    b. No storage of contaminated materials on private property or any property on which WisDOT holds only an easement (PLE or TLE).
    c. These restrictions do not apply when the municipality is generator of waste or accepts generator of waste status and is willing to place stockpiles on their property.
    d. Directly loading, hauling and disposing of contaminated material is preferred.
10. All unknown contamination discovered during construction must be reported to the region environmental coordinator and to BTS-ESS immediately for emergency response. See CMM 130.2 Hazardous Substance Found During Construction.

D. PS&E Review and Completion of Summary of Review Documentation

1. Check the notice to contractor, means and methods, quantities and coordination with BTS-ESS consultant
2. Confirm DNR letter of approval of the hazardous materials handling plan or excavation management plan is reference in the special provision and that a copy of the letter is in the hazmat file for the project at the region office.
3. Verify that areas of waste management are shown and labeled on plan and profile sheets and cross sections.
4. Request a hazmat consultant from BTS-ESS once the construction ID is authorized for charging. Ensure that the environmental consultant contact information in the PS&E package is correct.
5. Verify that contaminated soil disposal methods conform to Department policy. Confirm that disposal locations will be open during the construction season. Ensure waste characterization analysis for disposal or reuse within project limits is complete. Confirm that the selected disposal facility has approved the waste for acceptance.
6. If applicable, verify that the treatment and disposal of contaminated water are acceptable to DNR and the necessary permit process was followed, A WPDES permit may be required. Local permits may also be required. Confirm that the water quality and quantity requirements are specified in the special provisions for various disposal options. These options may include direct surface water discharge, discharge into the storm sewer, discharge into the sanitary

sewer (with approval from the utility), upland or ditch discharge, and onsite storage with disposal at an off-site treatment facility.

E. Other References and Resource Material

1. Contact BTS-ESS for example sets of special provisions, plan sheets and bid item estimates.
2. WisDOT Construction and Materials Manual (CMM) chapter 1.30
3. WisDOT Standard Specifications
    - **a.** 105.5.2 Cooperation Between Contractors
    - **b.** 105.8 Authority and Duties of Inspectors
    - **c.** 107.1 Laws to be Observed
    - **d.** 107.18 Environmental Protection
    - **e.** 107.24 Hazardous Substances
4. WisDOT Real Estate Manual Chapter 9 Contamination Guide
5. WisDOT Highway Maintenance Manual Chapter 09-15-50 Environmental Conditions
6. WisDOT Facilities Development Manual Chapter 21-35
7. DNR Publication RR-664 Negotiated Agreements: Contracts for Non-Emergency Remediation of Contaminated Properties
8. DNR Publication RR-649 Guidance for Documenting the Investigation of Human-Made Preferential Pathways Including Utility Corridors
9. DNR Vapor intrusion resources for environmental professionals
10. US EPA Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air

NON-REGULATED WASTE
HANDLE WITH CARE

DT1208 6/2001
For use with DT 1229

Generator: Wisconsin Department of Transportation
District: 3 **Project ID:** 1643-09-57
County: WINNEBAGO **Highway and Termini:** USH 41 (FOND DU LAC - OSHKOSH)
Site Name: DULUTH - SUPERIOR OIL AND TANKER
Consultant Company: XMT CONSULTANTS, LLC.
Contact: WENDELL I. GOHOM
Phone: 619-253-1434
Generation Date: AUGUST 8, 2002
Contents: Soil / Water / Other (describe)_____
Container # 1 **of** 3 **containers for this site. (e.g. 1 of 6)**
Phase of investigation: 2 2.5 (3) 4

All information above MUST BE COMPLETED AT TIME OF WASTE GENERATION.

WARNING!
Unauthorized re-use, refilling, or removal from these premises may result in personal injury or liability under S.292.11 and 166.22 Wis. Stats.

NON-HAZARDOUS WASTE INVENTORY RECORD

Wisconsin Department of Transportation
DT1229 8/2023 (For use with DT1208)

DTSD Region or Office: Northwest - Eau Claire		
WisDOT Project ID: 0656-50-31	County: Eau Claire	Highway and Termini if applicable: NA, sign shop wastel
Site Name and address: Eau Claire Sign Shop, 5009 US Highway 53 Eau Claire, WI		Phase of Investigation if applicable: 3
Consultant Company, if applicable: AECOM		
Consultant or Site Contact: Kyle Wagoner		
Contact (Area Code) Telephone Number: 715-342-3038		
Contact Email Address: kyle.wagoner@aecom.com		
Consultant ID for this Site, if applicable: 60582565 b		
Generation Date (m/d/yyyy): 9/16/2023		
Comments, special instructions for pickup or site access: Six plastic buckets containing soil cuttings, 31 55-gallon drums containing soil cuttings, 14 55-gallon drums containng water, and 18 55-gallon drums containing a soil/water mix. Stored within the fenced lot at the Eau Claire Sign Shop. See map and photo attached. Prior to picking up drums, contact Brent Markert, between the hours of 6 am and 3 pm 715-577-3854 to arrange for access to fenced area.		

Waste Description – describe containers of similar size and contents in one row. Insert additional rows as needed.
Number and Label Each Container.

Container ID Number	Container Size and Type	Estimated Volume of Waste	Source: Tank, Well, Boring	Contents: Soil, Water, Other (Describe)
Example: 1, 4, 5, 6, 7, 18, 22, 23	Example: 30 gallon metal drum	Example: 8 drums x 30 gal = 240 gallons	Example: monitoring wells # MW3, MW4, and MW7	Example: wash water, alconox
Example: 2, 3	Example: Five gallon pail	Example: 2 pails x 5 gallons = 10 gallons	Example: machine oil spill	Example: Floor dry and machine oil
1-8, 11, 12, 14, 15, 16, 20-25, 41, 44, 45, 47, 48, 44,45, 47-54, 62	55 gallon metal drum	1705 gallons	Soil borings, monitoring well borings	Soil
64-69	5 gallon plastic pail	30 gallons	Soil borings	Soil
9,10,13, 17-19, 39, 55-59, 61, 63	55 gallon metal drum	770 gallons	Monitoring well development water, wash water	Water, Alconox
26-38, 40, 42, 43, 46, 60	55 Gallon metal drum	990 gallons	Piezometer borings	Soil/water mix.

Total Number of Containers to be picked up: 69

NON-HAZARDOUS WASTE INVENTORY RECORD

Wisconsin Department of Transportation
DT1229 8/2023 (For use with DT1208)

Container Location: Attach map or site sketch to Email

Analytical Results: Attach analytical results to Email (if applicable)

Email one copy of this form to each of the following:

- DOT Hazardous Materials Unit
- Regional Environmental or Hazardous Materials Coordinator
- Hazardous Waste Contractor

Include a copy of this form as the final appendix in the report for this site (when applicable).


US Highway 53
94
53
Eau Claire Sign Shop, 5009 U.S. Hwy 53, Eau Claire, WI
US Highway 53
94
94
53
Google


Sign
Location of 63 55-gallon drums and 6 five-gallon buckets
Wisconsin State Patrol - Northwest Region

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

WISDOT PHASE 3 SI
EAU CLAIRE SIGN SHOP -
WASTE CHARACTERIZATIONS
SOIL CUTTINGS & WASTE WATER
WISDOT #0656-50-31
AECOM #60582565-02

May 17, 2019

Kyle Wagoner
AECOM, Inc. - Stevens Point
200 INDIANA AVE
Stevens Point, WI 54481

RE: Project: 60582565 EAU CLAIRE SIGN SHOP
Pace Project No.: 40187167

Dear Kyle Wagoner:
Enclosed are the analytical results for sample(s) received by the laboratory on May 08, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christopher Hyska

Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical
www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60582565 EAU CLAIRE SIGN SHOP
Pace Project No.: 40187167

Sample: SOILD WASTE CHARACTERIZATION Lab ID: **40187167010** Collected: 05/07/19 13:40 Received: 05/08/19 07:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3541								
PCB-1016 (Aroclor 1016)	**<27.1**	ug/kg	54.3	27.1	1	05/13/19 13:07	05/14/19 19:30	12674-11-2	
PCB-1221 (Aroclor 1221)	**<27.1**	ug/kg	54.3	27.1	1	05/13/19 13:07	05/14/19 19:30	11104-28-2	
PCB-1232 (Aroclor 1232)	**<27.1**	ug/kg	54.3	27.1	1	05/13/19 13:07	05/14/19 19:30	11141-16-5	
PCB-1242 (Aroclor 1242)	**<27.1**	ug/kg	54.3	27.1	1	05/13/19 13:07	05/14/19 19:30	53469-21-9	
PCB-1248 (Aroclor 1248)	**<27.1**	ug/kg	54.3	27.1	1	05/13/19 13:07	05/14/19 19:30	12672-29-6	
PCB-1254 (Aroclor 1254)	**<27.1**	ug/kg	54.3	27.1	1	05/13/19 13:07	05/14/19 19:30	11097-69-1	
PCB-1260 (Aroclor 1260)	**<27.1**	ug/kg	54.3	27.1	1	05/13/19 13:07	05/14/19 19:30	11096-82-5	
PCB, Total	**<27.1**	ug/kg	54.3	27.1	1	05/13/19 13:07	05/14/19 19:30	1336-36-3	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	57-115		1	05/13/19 13:07	05/14/19 19:30	877-09-8	
Decachlorobiphenyl (S)	76	%	47-97		1	05/13/19 13:07	05/14/19 19:30	2051-24-3	
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**7.9**	mg/kg	3.6	1.1	1	05/10/19 09:15	05/15/19 13:18		DC
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Gasoline Range Organics	**<2.7**	mg/kg	5.4	2.7	1	05/14/19 08:15	05/14/19 20:35		
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Cadmium	**<0.14**	mg/kg	0.53	0.14	1	05/10/19 08:26	05/13/19 12:39	7440-43-9	
Lead	**1.6J**	mg/kg	2.1	0.63	1	05/10/19 08:26	05/13/19 12:39	7439-92-1	
8270 MSSV FULL LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
1,4-Dichlorobenzene	**<25.2**	ug/kg	84.0	25.2	1	05/15/19 12:26	05/15/19 16:48	106-46-7	
2,4-Dinitrotoluene	**<25.9**	ug/kg	86.3	25.9	1	05/15/19 12:26	05/15/19 16:48	121-14-2	
Hexachloro-1,3-butadiene	**<46.1**	ug/kg	154	46.1	1	05/15/19 12:26	05/15/19 16:48	87-68-3	
Hexachlorobenzene	**<30.4**	ug/kg	101	30.4	1	05/15/19 12:26	05/15/19 16:48	118-74-1	
Hexachloroethane	**<29.0**	ug/kg	96.5	29.0	1	05/15/19 12:26	05/15/19 16:48	67-72-1	
2-Methylphenol(o-Cresol)	**<32.9**	ug/kg	110	32.9	1	05/15/19 12:26	05/15/19 16:48	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<33.2**	ug/kg	111	33.2	1	05/15/19 12:26	05/15/19 16:48		
Nitrobenzene	**<36.7**	ug/kg	122	36.7	1	05/15/19 12:26	05/15/19 16:48	98-95-3	
Pentachlorophenol	**<39.8**	ug/kg	133	39.8	1	05/15/19 12:26	05/15/19 16:48	87-86-5	
Pyridine	**<29.1**	ug/kg	97.1	29.1	1	05/15/19 12:26	05/15/19 16:48	110-86-1	
2,4,5-Trichlorophenol	**<32.0**	ug/kg	107	32.0	1	05/15/19 12:26	05/15/19 16:48	95-95-4	
2,4,6-Trichlorophenol	**<27.6**	ug/kg	92.0	27.6	1	05/15/19 12:26	05/15/19 16:48	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	59	%	20-104		1	05/15/19 12:26	05/15/19 16:48	4165-60-0	
2-Fluorobiphenyl (S)	59	%	30-97		1	05/15/19 12:26	05/15/19 16:48	321-60-8	
Terphenyl-d14 (S)	68	%	47-123		1	05/15/19 12:26	05/15/19 16:48	1718-51-0	
Phenol-d6 (S)	61	%	10-111		1	05/15/19 12:26	05/15/19 16:48	13127-88-3	
2-Fluorophenol (S)	67	%	10-126		1	05/15/19 12:26	05/15/19 16:48	367-12-4	
2,4,6-Tribromophenol (S)	70	%	10-135		1	05/15/19 12:26	05/15/19 16:48	118-79-6	

REPORT OF LABORATORY ANALYSIS

Date: 05/17/2019 03:45 PM

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60582565 EAU CLAIRE SIGN SHOP
Pace Project No.: 40187167

Sample: SOILD WASTE CHARACTERIZATION **Lab ID: 40187167010** Collected: 05/07/19 13:40 Received: 05/08/19 07:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	05/09/19 07:30	05/09/19 17:48	74-83-9	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	104-51-8	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	98-06-6	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	05/09/19 07:30	05/09/19 17:48	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	05/09/19 07:30	05/09/19 17:48	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	74-87-3	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	106-43-4	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	05/09/19 07:30	05/09/19 17:48	96-12-8	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	124-48-1	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	106-93-4	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	74-95-3	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	95-50-1	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	541-73-1	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	106-46-7	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	75-71-8	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	75-34-3	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	107-06-2	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	75-35-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	156-59-2	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	156-60-5	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	78-87-5	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	142-28-9	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	594-20-7	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	563-58-6	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	10061-01-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	10061-02-6	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	98-82-8	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	99-87-6	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	75-09-2	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	05/09/19 07:30	05/09/19 17:48	91-20-3	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	103-65-1	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 60582565 EAU CLAIRE SIGN SHOP
Pace Project No.: 40187167

Sample: SOILD WASTE CHARACTERIZATION **Lab ID: 40187167010** Collected: 05/07/19 13:40 Received: 05/08/19 07:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Styrene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	100-42-5	W
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	630-20-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	79-34-5	W
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	108-88-3	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	87-61-6	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	05/09/19 07:30	05/09/19 17:48	120-82-1	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	71-55-6	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	79-00-5	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	75-69-4	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	96-18-4	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	108-67-8	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	75-01-4	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	05/09/19 07:30	05/09/19 17:48	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	05/09/19 07:30	05/09/19 17:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	114	%	57-146		1	05/09/19 07:30	05/09/19 17:48	1868-53-7	
Toluene-d8 (S)	102	%	64-134		1	05/09/19 07:30	05/09/19 17:48	2037-26-5	
4-Bromofluorobenzene (S)	110	%	54-126		1	05/09/19 07:30	05/09/19 17:48	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.8**	%	0.10	0.10	1		05/08/19 16:47		
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>200**	deg F			1		05/10/19 11:54		1q
2310B Acidity, Total	Analytical Method: SM 2310B								
Acidity, Total	**<50.0**	mg/kg	100	50.0	1		05/17/19 09:37		N2
2320B Alkalinity	Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	**330**	mg/kg	108	54.2	1		05/17/19 14:12		N2
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**7.47**	Std. Units	0.100	0.0100	1		05/13/19 12:30		H6
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095								
Free Liquids	**Pass**	no units			1		05/10/19 13:41		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60582565 EAU CLAIRE SIGN SHOP
Pace Project No.: 40187167

Sample: WATER WASTE CHARACTERIZATION **Lab ID: 40187167011** Collected: 05/07/19 14:00 Received: 05/08/19 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**21.6**	ug/L	1.0	0.25	1		05/09/19 12:33	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/09/19 12:33	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/09/19 12:33	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/09/19 12:33	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/09/19 12:33	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/09/19 12:33	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/09/19 12:33	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/09/19 12:33	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/09/19 12:33	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/09/19 12:33	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/09/19 12:33	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/09/19 12:33	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/09/19 12:33	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/09/19 12:33	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/09/19 12:33	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/09/19 12:33	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/09/19 12:33	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/09/19 12:33	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/09/19 12:33	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/09/19 12:33	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/09/19 12:33	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/09/19 12:33	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/09/19 12:33	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/09/19 12:33	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/09/19 12:33	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/09/19 12:33	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/09/19 12:33	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/09/19 12:33	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/09/19 12:33	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/09/19 12:33	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/09/19 12:33	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/09/19 12:33	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/09/19 12:33	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/09/19 12:33	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/09/19 12:33	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/09/19 12:33	108-20-3	
Ethylbenzene	**0.57J**	ug/L	1.0	0.22	1		05/09/19 12:33	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/09/19 12:33	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/09/19 12:33	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/09/19 12:33	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/09/19 12:33	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/09/19 12:33	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/09/19 12:33	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/09/19 12:33	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/09/19 12:33	100-42-5	

REPORT OF LABORATORY ANALYSIS

Date: 05/17/2019 03:45 PM

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 60582565 EAU CLAIRE SIGN SHOP
Pace Project No.: 40187167

Sample: WATER WASTE CHARACTERIZATION **Lab ID: 40187167011** Collected: 05/07/19 14:00 Received: 05/08/19 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/09/19 12:33	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/09/19 12:33	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/09/19 12:33	127-18-4	
Toluene	**4.7J**	ug/L	5.0	0.17	1		05/09/19 12:33	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/09/19 12:33	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/09/19 12:33	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/09/19 12:33	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/09/19 12:33	79-00-5	
Trichloroethene	**0.41J**	ug/L	1.0	0.26	1		05/09/19 12:33	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/09/19 12:33	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/09/19 12:33	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/09/19 12:33	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/09/19 12:33	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/09/19 12:33	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/09/19 12:33	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/09/19 12:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		05/09/19 12:33	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		05/09/19 12:33	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		05/09/19 12:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Date: 05/17/2019 03:45 PM

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 60582565 EAU CLAIRE SIGN SHOP
Pace Project No.: 40187167

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1q	Use of method EPA 1010A for flash point analysis on solid samples is for informational purposes only. It is the user's responsibility to verify the acceptance of this data for intended use.
DC	Chromatographic pattern inconsistent with typical Diesel Fuel.
H6	Analysis initiated outside of the 15 minute EPA required holding time.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
N2	The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.
W	Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

Pace Analytical
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 2 of 2

CHAIN OF CUSTODY

60187167

(Please Print Clearly)	
Company Name:	AECOM
Branch/Location:	Stevens Point
Project Contact:	Kyle Wagner
Phone:	715-342-3038
Project Number:	60582565
Project Name:	Eau Claire Sign Shop Pole 3 - Waste Characterization
Project State:	WI
Sampled By (Print):	Dan Barton
Sampled By (Sign):	
PO #:	Regulatory Program:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Kyle Wagner
Mail To Company:	AECOM
Mail To Address:	200 Indiana Ave Stevens Point, WI
Invoice To Contact:	same
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: Free Liq, Flashpnt, pH, % total solids	Analyses Requested: SVOCs, Pb, Cd, PCBs, % Ash/Acidity	Analyses Requested: GRO by WIGRO	Analyses Requested: VOC by 8260	Analyses Requested: DRO by WIDRO	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	A								
010	Soil waste characterization	5/7/19	1340	S			X	X	X	X	X			
011	Water waste characterization	5/7/19	1400	W						X				
012	Trip blank	5/7/19		W						X				
	~~Trip blank~~ Trip blank	5/7/19		S						X				

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	Relinquished By:	Date/Time:	Received By:	Date/Time:	PACE Project No.
Transmit Prelim Rush Results by (complete what you want):		1530 5/7/19			60187167
Email #1:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Receipt Temp = °C
Email #2:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Sample Receipt pH OK / Adjusted
Telephone:	Relinquished By:	Date/Time:	Received By:	Date/Time:	Cooler Custody Seal Present / Not Present Intact / Not Intact
Fax:	Relinquished By:	Date/Time:	Received By:	Date/Time:	
Samples on HOLD are subject to special pricing and release of liability					

Version 6.0 08/14/08

C019e(07-Jun-2006)

ORIGINAL

Generic Profiles

Profile ID	Constituents	Potentially Applicable EPA Waste Codes*
Category 2 Fuels Mixed solvents/oils for fuels blending	Non-halogenated solvents/petroleum oils 96-100% Solids 5 to 12 inches Water 0%	D001, D04-D011, D018, D019, D021-D030, D032-D036, D038-D040, D042
Category 3 - Fuels	Non-halogenated solvents/petroleum oils 90-100% Solids 5 to 12 inches Water <5%	D001, D004-D011 D018, D019, D021-D030, D032-D036, D038-D040 D042
Category 4 - Fuels Mixed solvents/oils/paints for fuels blending	Non-halogenated solvents/petroleum oils 96-100% Solids >12 inches Water <5%	D001, D004-D011, D018, D019, D021-D030, D032-D036, D038-D040, D042
RCRA Landfill Mixed solvents/oils/paints for landfill-material does not have required BTUs for fuels blending	Non-halogenated solvents/petroleum oils <96% Solids >12 inches Water > 5%	D001, D004-D011, D018, D019, D021-D030, D032-D036, D038-D040, D042

* EPA Waste codes must match the material being shipped. Choose the appropriate codes based on analysis or generator knowledge.

Container size should match waste quantity as closely as possible.

For cost information contact the BTS-ESS dothazmatunit@dot.wi.gov or 608-266-1476.

HAZARDOUS WASTE INVENTORY RECORD

Wisconsin Department of Transportation
DT1231 8/2023

DTSD Region and Office, or shop or lab [Select]		
WisDOT Project ID for charging	County	Highway and Termini if applicable
Site Name and address, if applicable		
Is an EPA ID required for this Site? ☐ Yes ☐ No, VSQG ☐ Other:		EPA ID Number ♦:
Consultant Company, if applicable		
Consultant or Site Contact		
Contact (Area Code) Telephone		
Contact Email Address		
Consultant ID for this Site, if applicable		
Generation Date (m/d/yyyy)		
Comments, special instructions for pickup or site access		

♦ If an EPA ID number is required for this site, contact the DOT hazardous materials unit to obtain an ID prior to requesting disposal.

Waste Description – describe containers of similar size and contents in one row. Insert additional rows as needed.
Number and label each container. Mark each container with contents.

Container ID Number	Container Size and Type	Estimated Volume of Waste	Waste Source	Contents	Waste Codes
Example: MW1-1 and MW 1-2	Example: 55 Gallon Metal Drum	Example: 55 Gal + 35 Gal = 90 Gallons	Example: Monitoring Well 1	Example: purge water and free product (leaded gasoline)	Example: D001, D008
Example: 1, 2, and 3	1 gallon glass bottle	3 gallons	Lab testing	hydrochloric acid	D002

Total number of containers to be picked up:

Container Location: Attach map or site sketch to Email

Analytical Results, if applicable: Attach analytical results to Email

Email one copy of this form and its attachments to each of the following:

- DOT Hazardous Materials Unit
- Regional Environmental or Hazardous Materials Coordinator.
- Hazardous Waste Contractor

Include a copy of this form as the final appendix in the report for this site, if applicable.

Page 1 of 1

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
WIR000051334	1	877-818-0087	001852946VES

GENERATOR

5. Generator's Name and Mailing Address
WI DOT Bridge B-70-91
PO Box 7965, Room 5 South S513.12
Madison WI, 54901
Generator's Phone: 727-272-4673

Generator's Site Address (if different than mailing address)
STH 21 OVER FOX RIVER
Oshkosh WI, 54901

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS — U.S. EPA ID Number: NJD080631369

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS LLC
W124 N9451 BOUNDARY RD
MENOMONEE FALLS WI, 53051
Facility's Phone: 262-255-6655
U.S. EPA ID Number: WID003967148

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, HAZARDOUS WASTE, SOLID, n.o.s., (STEEL GRIT, LEAD), 9, III, RQ (D008)	12	DM	4120	P	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Line 1: ER Service Contracted by VESTS -|- OU36190 WI Field Services -|- Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf. "STATE WASTE"
ERG:171 W:811720 A:CWDSGRHAZ;

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name — Signature — Month: 04 — Day: 24 — Year: 2020

INTL

16. International Shipments ☐ Import to U.S ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month: 04 — Day: 24 — Year: 2020

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☒ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H110			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

Printed/Typed Name: Charles Elliott — Signature: Charles Elliott — Month: 04 — Day: 24 — Year: 2020

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Manifest Signing Checklist for WisDOT Projects

LINE/FIELD NUMBER ON MANIFEST

☐ 1. Generator's US EPA ID number – make sure this matches the EPA number assigned by DNR.

☐ 4. Manifest Document number – this should be filled in.

☐ 5. Generator's Name and Mailing Address:
For all region projects, this should read:
XXXX-XX-XX (project ID) ___ Site Name___
WisDOT BTS-ESS Attn: Hazardous Materials Specialist
PO Box 7986
Floor 5 South, S513.12
Madison WI 53707-7986

Generator's Site address should be the actual location – e.g., Bridge B-70-91, STH 21 over the Fox River

Generator's Phone: 608-266-1476

☐ 6. Be sure that the transporter company's name and EPA ID number are filled in. (This should always be the current statewide hazardous waste disposal contractor's name) The EPA number in this box should NOT be the same as the number in Box 1

☐ Items 9-13 are filled in by the hazardous waste contractor. Review the quantity of waste being shipped and make sure that the number and types of containers and their contents match the number and type on this list.
DM = Metal Drum
CM = Metal Cartons or roll-off boxes
There is a complete list of container types on the back of the form.
☐ Make sure the containers are all labeled and that the labels match the information on the form.

☐ 14. If these are containers of sludge from a tank removal note it in this section. "One-time disposal of sludge from tank removal."

☐ 15. The transporter will sign this section on behalf of WisDOT.

16. This section should be blank.

☐ 17. Make sure the Transporter signs and dates this section.

☐ The top copy will go to the Emanifest system. The transporter will email a completed copy to DOTHAZMATUNIT@DOT.WI.GOV