



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

ARGEO PAUL CELLUCCI
Governor

JANE SWIFT
Lieutenant Governor

BOB DURAND
Secretary

LAUREN A. LISS
Commissioner

Interim Policy # COMM-94-007

**Interim Policy
for Sampling, Analysis, Handling and
Tracking Requirements for Dredged Sediment
Reused or Disposed at Massachusetts Permitted Landfills**

Approved by Thomas P. Powers, Acting Commissioner on February 15, 1995.

References updated July 2000. Revised document dates are noted where known. References to DSWM have been replaced with BWP (the Bureau of Waste Prevention) in this Policy. Reference to imminent promulgation of comprehensive dredging regulations was removed.

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DREDGED SEDIMENTS Reused or Disposed at
Massachusetts Permitted Landfills**

INTERIM POLICY

1.0 INTRODUCTION

This policy is intended to streamline the review and approval process for dredged sediments proposed to be reused or disposed at Massachusetts permitted landfills. All references to landfills in this policy mean Massachusetts permitted landfills operated in compliance with Department of Environmental Protection (Department, DEP) regulations and policies. Reuse means beneficial use of sediments as daily cover, intermediate cover and pre-cap contouring material. Disposal means burial in a landfill. References to lined landfills mean landfills which have a DEP approved, functioning liner with a leachate collection system.

The DEP updated its former Policy # BWP-94-037 on the requirements for testing, tracking, transporting and reusing or disposing of contaminated soils and dredged sediments at Massachusetts permitted landfills on August of 1997 (COMM-97-001). That Policy exempts certain qualifying soils and sediments from Department review and approval based on contaminant concentrations, provided that they are destined for reuse at lined landfills.

Since the adoption of Policy # BWP-94-037, the Department has recognized that the testing requirements for soils and sediments in that Policy were different from the parameters routinely required for DEP water quality certification (WQC) of dredging projects under 314 CMR 9.00. The different testing parameters resulted in proponents desiring to reuse or dispose of sediments at landfills having to perform a second battery of tests, after obtaining a WQC, thereby adding significant expense and delay to the project. This situation also resulted in Department review regardless of the concentrations of contaminants present. This policy will identify for inclusion in the WQC application package the sediment characteristics of interest to the Department concerning disposal or reuse at landfills. These additional parameters will supplement the parameters routinely assessed in the WQC review. Proponents will be able to perform one set of tests to satisfy the requirements for both the WQC and The Bureau of Waste Prevention (BWP), and further, if sediments do not exceed Table 1 contaminant limits (Section 5.0 below), an applicant need not obtain individual BWP review and approval for sediment reuse at a lined landfill.

Testing for the following additional constituents will now be required of WQC applicants proposing landfill reuse/disposal of sediments: arsenic, total petroleum hydrocarbons (TPHs), volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and in some cases TCLP (see Section 5.0 below). Of these, VOCs and TCLP have not been required by the WQC review. The other parameters have been required for WQC only if the dredging was proposed in urban harbors or other potentially contaminated areas.

2.0 APPLICABILITY

This policy is being issued under the Department's authority granted in MGL c.21, §26-53, MGL c.21A, §14, 314 CMR 9.00 and MGL c.111, §150A, 310 CMR 19.000, and is in accordance with the requirements of MGL c.21E and 310 CMR 40.0000 and MGL c.21C and 310 CMR 30.000.

This policy applies to all dredged sediments evaluated for individual WQC and proposed to be reused or disposed at landfills. In such cases, this policy supersedes Interim Policy BWP-94-037 with respect to sediments.

3.0 PURPOSE AND SCOPE

This interim policy integrates applicable elements of DEP's Interim Policy BWP-94-037 and Water Quality Certification regulations at 314 CMR 9.00. Sediments intended to be reused at lined landfills and which have no contaminants exceeding the limits indicated in Table 1 (see Section 5.0), will not require individual approval from BWP. Sediments will continue to require approval from BWP if a) they exceed the Table 1 contaminant limits, b) if they are intended to be disposed at lined or unlined landfills, or c) if they are intended to be reused at an unlined landfill (see section 9.0 below). This policy does not change the existing information required by the Department to evaluate water quality impacts of dredging or in-water disposal currently determined in the existing WQC application and review process under 314 CMR 9.00.

The information contained in this policy is intended solely for guidance. This policy does not create any substantive or procedural rights, enforceable by any party in any administrative proceeding with the Commonwealth.

4.0 SEDIMENT SAMPLING

A sampling plan should reflect the fact that contaminants generally reach the sediments after being dispersed in and transported through water. In an area with no known particular local sources of contaminants and no known history of release of oil and hazardous materials (OHM), the sampling plan may be based on a grid diagram of the area. At least one core sample shall be obtained for each 1000 cubic yards (cu.yds.) of proposed dredged sediment. The depth of each core should correspond to the dredging depth at the sampling site.

Where local sources of contamination exist, i.e., combined sewer overflows, storm drain outlets, boat repair docks, fuel docks, etc., or where information exists regarding historic release(s) or spill(s) of OHM, project areas which may have been affected by these sources of contaminants

must be specifically targeted in the sampling plan.

Up to three core samples may be composited for analysis of all contaminants except VOCs provided that there is no known source of contaminants specific to the sample location and provided there is some basis for expecting sediments from these sampling locations to be similar, such as water depth or grain size. It is recommended that cores be split with one half used for compositing and one half archived in the event high contaminant values in the composite necessitate further analysis. All portions of the cores should be represented in the resulting composite sample(s).

Where potential sources of contaminants exist close to a portion of the dredging area, the core(s) from that location shall not be composited with cores from locations outside the expected reach of the particular contamination source. If the surface sediments and the deeper (pre-industrial era) sediments will or may go to different disposal sites, core fractions of appropriate core samples should be composited.

Sub-samples for VOC analysis should be obtained from the core sample directly and not from a composite of several cores. A field photo-ionization detector (PID) or similar field VOC monitoring equipment can be used to screen the core for areas where VOCs are present. These areas of the core should then be subsampled for VOC analysis. Where the PID does not detect any VOCs, subsamples should be obtained representing all visually different areas of the core.

A plan showing the sampling locations and a description of any compositing or subsampling must be provided to DEP.

Summary of sampling and analysis frequency requirements:

Number of core samples: 1 core for each 1000 cu. yds;
minimum of 2 cores in all cases

Number of composite samples
to be analyzed: up to 3 cores may be composited for analysis, but a
minimum of two analytical data sets must be presented
representing the sediment volume to be dredged.

5.0 SEDIMENT ANALYSIS

Generally, the Department requires the analyses listed below be performed for sediment which is proposed to be beneficially used or disposed at landfills. However, site-specific factors are important in any sediment sampling and analysis plan. If an applicant wishes to assert that the dredge area may reasonably be assumed not to contain a parameter of interest, the applicant may present information to the Department in support of that position. The WQC application review normally relies on in-house information about the project area as well as on applicant's responses to questions on the WQC application form dealing with chemical and oil spills/discharges, industrial and municipal discharges, chronic pollutants from port and harbor use and other indirect pollutant sources.

The Department requires sediment conductivity to be tested prior to review of proposals for reuse or disposal of the sediments at unlined landfills. (A reference for ASTM G-57, a probe test for soil resistivity, the reciprocal of conductivity, is given in Section 10.0).

The Department may require sampling of additional contaminants or characteristics, or may require specific numbers or locations of samples based on the individual characteristics of the project site.

The DEP has determined that the contaminant levels indicated in Table 1 are acceptable for sediment reuse at lined landfills as daily cover, intermediate cover and pre-cap contouring material provided that all other provisions in this policy are complied with.

The following Table 1 sediment constituents shall be analyzed, in addition to routine testing required for the Water Quality Certification.

Table 1 MAXIMUM ALLOWABLE CONTAMINANT LEVELS FOR SEDIMENT REUSE AT LINED LANDFILLS

CONTAMINANT^a	Reuse Levels
Total Arsenic	40
Total Cadmium	80
Total Chromium	1,000
Total Lead	2,000
Total Mercury	10
Total Petroleum Hydrocarbons (TPH)	5,000
Total PCBs ^b	< 2
Total PAHs ^c	100
Total VOCs ^d	10
Listed or Characteristic Hazardous Waste (TCLP ^e)	none

NOTES:

- a Contaminant concentrations are in mg/kg, dry weight.
- b Total concentrations of polychlorinated biphenyls listed in EPA Method 8080.
- c Total concentrations of polynuclear aromatic hydrocarbons listed in EPA Method 8100.
- d Total concentrations of volatile organic compounds listed in EPA Method 8240 or equivalent.
- e TCLP testing should be performed for metals or organic compounds when the total concentrations in the sediments are above the theoretical levels at which the TCLP criteria may be met or exceeded. For the above metals such levels (mg/kg) are: As > 100, Cd > 20, Cr > 100, Pb > 100, Hg > 4.

6.0 TRACKING AND REPORTING

All dredged sediments transported to a landfill must be accompanied by a DEP Material Shipping Record (MSR) completed by a qualified environmental professional. The requirements for a qualified environmental professional are given in the instructions accompanying the Material Shipping Record form. If the sediment is a remediation waste generated from a 21E site, then a Bill of Lading (BOL) signed by a Licensed Site Professional or authorized DEP employee as applicable will be required pursuant to 310 CMR 40.0034, 40.0035.

The landfill permittee using these sediments as cover or grading material shall annually send 21E BOL or MSR summary reports documenting sediment reuse, recycling or disposal activities with the landfill's regular annual operational reports to the Solid Waste Section in the applicable Regional Office as required by 310 CMR 19.130(34)(d). The summary reports shall include the source of the sediments, amounts, dates received and reference the 21E BOL or MSR Tracking Numbers.

A Material Shipping Record form and this policy will be included in the 401 WQC application package.

7.0 HANDLING

Sediments shall be dewatered prior to trucking. Sediments shall contain no free-draining liquids. When there is a question as to whether this standard is met, the paint filter test, EPA Method 9095, shall be used to determine the presence of free-draining liquids in a representative sample.

All sediments shall be covered by a tarpaulin or other means during transport to prevent the material from escaping the vehicle during transport.

These handling provisions will be made conditions of the DEP Water Quality Certificate.

8.0 LANDFILL OPERATION REQUIREMENTS

The following landfill operation procedures are required to prevent unacceptable exposure to humans and the environment from Table 1 contaminants.

- A. Preventative maintenance must be employed to ensure that the sediment, whether stockpiled or applied to the landfill, does not erode into the area between the landfill and the property boundary.
- B. Fugitive dust levels shall be kept to a minimum through the use of Best Management Practices such as chemical addition or other BWP-approved method. Sediments shall be prohibited from use on haul roads or other areas used for vehicle or truck traffic.
- C. Contaminated sediments shall not be applied or placed in direct contact with the landfill liner without prior written approval of the DEP.

- D. Contaminated sediments applied as daily cover shall not exceed 25% of the total volume of solid waste disposed in any single day.
- E. Storage of sediments shall not take place on areas of the landfill which have received final cover unless the landfill receives prior written approval from the DEP.
- F. Stockpiling of sediments shall be limited to portions of the landfill which are lined, or as specified by DEP.
- G. Daily cover or other reuse materials which contain contaminated sediments shall be applied within 90 days of receipt at the facility unless prior written approval by the DEP is obtained.
- H. Sediments received at the landfill shall have no free draining liquids. Visual inspection based on the source of dredge spoils shall be sufficient to determine whether there are free draining liquids in most cases. When there is a question whether this standard is met, EPA method 9095 shall be used to determine the presence of free liquids in a representative sample of the sediment.
- I. The standards for daily cover in 310 CMR 19.130(15) must be met including the requirement that the cover material be substantially odor free.
- J. The sediments shall be substantially free of solid waste (e.g. construction and demolition debris). See 310 CMR 16.05(3)(i) for conditionally exempted rubble processing (crushing) operations.
- K. When sediments are proposed for use as intermediate cover, the standards in 310 CMR 19.130(15)(c) must be met including the requirement that the material meet the following Unified Soil Classification System categories: G.C.; S.C.; C.H.; C.L.; or O.H. Other sediments which are not classified as G.C., S.C., C.H., C.L. or O.H must receive DEP approval prior to use as intermediate cover.
- L. Sediments which are to be used as pre-cap contouring material must be applied in accordance with a DEP approved corrective action design, closure plan, or contouring plan.

9.0 REVIEW AND APPROVAL FOR SEDIMENT REUSE OR DISPOSAL AT MA PERMITTED LANDFILLS

9.1 Sediment **Reuse** at **Lined** Landfills

Sediment proposed for reuse as cover or grading material at a lined landfill will need no additional formal review by the Department's Division of Solid Waste Management provided that:

- (a) the sediment has been sampled and tested in accordance with sections 4.0 and 5.0;
- (b) the sediment does not exceed the contaminant thresholds in Table 1 as determined by

the Department's WQC review; and
 (c) Sections 6.0, 7.0, and 8.0 of this policy are complied with.

Sediments which exceed one or more of the contaminant thresholds in Table I and are proposed for cover or grading material will require a Landfill Minor Modification (BWP SW 22) or other approval from DEP.

9.2 Sediment **Reuse** at **Unlined** Landfills

Sediments may be allowed for cover and/or grading purposes at unlined landfills provided that the landfill owner or operator requests and DEP approves an application for Landfill - Minor Modification (BWP SW 22), or other DEP approval to reuse the sediments at an unlined landfill is granted. Such an application is to be submitted to the applicable DEP Regional Office with analytical sediment data as provided in Sections 4.0 and 5.0, including sediment conductivity data, and with landfill site data sufficient for DEP to make a determination.

9.3 Sediment **Disposal** at Lined or Unlined Landfills

A Special Waste Determination (BWP SW 14 or BWP SW 31) or other approval by DEP to dispose of the sediments at a landfill shall be obtained prior to disposal of any sediments (exceeding or not exceeding Table 1 values) at a lined or unlined landfill.

Sediments shall not be disposed of at landfills if a feasible alternative exists that involves the reuse, recycling, destruction, and/or detoxification of such sediments in accordance with the solid waste management hierarchy established in the Solid Waste Master Plan. Cost shall not be the only reason for deeming such other alternatives infeasible. The applicant must fully assess the feasibility of alternatives to sediment disposal at a landfill.

Feasibility determinations made pursuant to 310 CMR 40.0032(5) for 21E generated sediments shall be considered consistent with this section of the policy.

10.0 REFERENCES

American Society for Testing Materials (ASTM), 1978 Annual of ASTM Standards, Philadelphia.

Massachusetts Department of Environmental Protection (Mass. DEP), 314 CMR 9.00, Certification for Dredging, Dredged Material Disposal and Filling in Waters.

Mass. DEP, 310 CMR 4.00, Timely Action Schedule and Fee Provisions.

Mass. DEP, 310 CMR 16.000, Site Assignment Regulations for Solid Waste Facilities.

Mass. DEP, 310 CMR 19.000, Solid Waste Management Facility Regulations.

Mass. DEP, 310 CMR 30.000, Hazardous Waste Regulations.

Mass. DEP, 310 CMR 40.0000, Massachusetts Contingency Plan.

Mass. DEP, Policy # COMM 97-001, Reuse and Disposal of Contaminated Soils at Massachusetts Landfills

U.S. Environmental Protection Agency (EPA). 1986. SW-846, Test methods for evaluating solid waste. U.S. EPA, Office of Solid Waste and Emergency Response, Washington, D.C.

Material Shipping Record Form and Instructions

Material Shipping Record

Summary Sheet Questions and Answers

1. What is the purpose of the Material Shipping Record?

The Material Shipping Record is to be used as the tracking document for oil contaminated soil, fill, and dredge materials not subject to management requirements of 310 CMR 40.0034 and 40.0035 of the Massachusetts Contingency Plan (MCP) or manifesting as a hazardous waste under 310 CMR 30.000 the Massachusetts Hazardous Waste Regulations.

2. What type of material and levels of contaminant does this include?

This includes materials such as soil, sediment, and dredge materials generated within the Commonwealth that are contaminated with oil below the Reportable Concentrations under the MCP and **any** soil, sediment, and dredge materials with any level of oil contamination that are generated from a state other than Massachusetts and shipped to a facility in Massachusetts for recycling, reuse or disposal. It may also include other materials specifically identified by the Department.

3. May this document be used in lieu of a hazardous waste manifest?

No, it may not be used in lieu of a hazardous waste manifest for the shipment of hazardous wastes subject to management under 310 CMR 30.000 or Federal RCRA.

4. Who must use this form?

Anyone shipping oil contaminated soil, fill or dredge materials from out-of-state to any facility in Massachusetts for recycling, reuse, or disposal must use this form. Any generator in Massachusetts must use this form if it is shipping oil contaminated soils that are not subject to the requirements of 310 CMR 40.0034 and 310 CMR 40.0035, or manifesting under 310 CMR 30.000, to any facility either within or outside of Massachusetts for purposes of recycling, reuse or disposal.

5. Are any other permits or notifications required in addition to this form?

Yes, receiving facilities within Massachusetts may require a Class A Recycling Permit or a permit from the Department's Division of Solid Waste Management (Beneficial Reuse, or Special Waste Determination). The receiving facility should be contacted to assure that the proper additional permits and approvals are obtained.

6. Where may copies of this form be obtained?

Copies of this form may be obtained from the receiving facility in Massachusetts from Infoline in DEP's Boston office and the Regional Service Centers.

Material Shipping Record Instructions

The Material Shipping Record records the transportation and final destination of soil and dredge materials that contain levels of oil and/or hazardous materials (OHMs) or hazardous constituents that **are not** subject to management under the Massachusetts Contingency Plan (MCP) at 310 CMR 40.0034 and 40.0035 or manifesting under the Massachusetts Hazardous Waste Regulations, 310 CMR 30.000. These include, but are not necessarily limited to:

- Soils and dredge materials that are contaminated with OHMs shipped from out-of-state locations to soil recycling facilities and landfills in Massachusetts for recycling or reuse as landfill cover;
- Soils and dredge materials that are contaminated with OHMs generated within Massachusetts shipped to Massachusetts facilities for recycling or reuse as landfill cover; and
- Any other materials identified by the Department for shipment using this document.

These **do not** include such materials as municipal solid waste, process wastes or hazardous waste subject to the requirements of a hazardous waste manifest under 310 CMR 30.000 or the "Bill of Lading" requirements under 310 CMR 40.0034 and 40.0035. **The use of this document by any party for the shipment of hazardous waste subject to manifesting under 310 CMR 30.000 or materials subject to a "Bill of Lading" under 310 CMR 40.0030 can result in significant administrative and/or criminal penalties including fines and imprisonment for the generator, transporter and receiving facility.**

Prior to field use of the document, complete Sections A through H and submit the completed document, with original signatures in Sections G and H to the receiving facility. Either an original copy of Sections A through G or a reproduction must accompany each truck load of waste moved. The truck driver and a receiving facility representative must all sign their acknowledgement of the shipment and delivery of each load on the Material Shipping Log Sheet. The Log can accommodate signatures for up to four loads of material, and there is no limit on the number of Log Sheets that may be attached to a single Material Shipping Record. Upon receipt of the last load a receiving facility representative must sign the Acknowledgement of Receipt in Section I. The receiving facility will then send copies of the signed Material Shipping Record and Log Sheets to the generator maintaining the original facility records.

A separate Material Shipping Record must be used if any of the following parties change:

- The receiving facility;
- The transporter or common carrier; or
- The Qualified Environmental Professional.

A Qualified Environmental Professional must certify the Material Shipping Record, unless the document is approved by the Department. An employee of the receiving facility may sign as the Qualified Environmental Professional provided that the employee fulfills the definition of a Qualified Environmental Professional. A Qualified Environmental Professional is an individual who:

- Is knowledgeable about the procedures and methods for characterizing wastes and contaminated media;
- Is familiar with the receiving state, Massachusetts, and federal regulations applicable to the management of such materials;
- Performs or oversees such activities as an integral part of his or her professional duties; and
- Is professionally licensed or certified in a discipline related to environmental assessment (i.e., engineering, geology, soil science, LSP, or environmental science) by a state or recognized professional organization.

Please complete the Material Shipping Record (first four pages of form) in ink. Note that documents submitted to the facility must include original signatures.

Top of each page, upper right-hand corner:

Tracking Number: Unique Tracking Number assigned by the receiving facility to the location of origin.

A. Location Information

Record the location from which the material is being generated in this section. If the material is being generated from multiple contiguous properties that comprise a single remedial site, use the Material Shipping Record to record the address or location of the single most contaminated property or source location. Append a list of other affected properties to the form.

1.Location Name: May be the company or facility name or the CERCLA or State name for the site. Examples might be ABC Widgets Inc., Double Death Superfund Site, or Skyview Turnpike Mile 78.

Street: Note the street address of the location, or indicate a mile marker or similar highway designation.

Location Aid: Provide additional geographical or descriptive information to identify the location (e.g., cross-street, transformer or pole number, business name, landmark or geographical feature).

City/Town/State/Zip Code: Identify the location's municipality. Include the state and zip code.

2.Date/Period of generation: State the date or period during which material shipment using the Material Shipping Record was generated at the disposal site.

3.U.S. EPA Identification Number: If available, state the EPA or State Hazardous Waste Identification Number for the location of generation.

4.21E Site: If this material is being generated at a location which has had a release subject to 310 CMR 40.0000, check the yes box; if not, check no. Do not check this box if the response to the release has been completed and the location has achieved a permanent solution pursuant to 310 CMR 40.0000, and the material is unrelated to that solution. If this box is checked, the Site History attached to this record should describe the relationship of the material to the release, including the reason the material is not subject to management under 310 CMR 40.0034 and 40.0035.

5.Additional Tracking Documents: List any other tracking documents required for the shipment of this material, such as DOT documents or those required by the State within which the material was generated.

B. Generator Information

1.Name of Organization: If an organization is the generator of the material state the name (e.g., company, municipal department, public authority, etc.).

Contact Name/Title: Provide the name and title of a representative of the organization who has knowledge of the Material Shipping Record and whom may be contacted for further information. The person listed must be the highest ranking individual having day-to-day responsibility for submittal of the Material Shipping Record. If an individual is assuming responsibility for the Material Shipping Record, state his or her name.

Street Address: Provide the street address of the generator, which may differ from the location of generation.

City/Town/State/Zip Code/Telephone: Provide the remainder of the mailing address for the generator. State a telephone number, including area code and any extension, where the generator contact may be reached.

C. Owner and/or Operator Information

1.Owner and/or Operator: Check all that apply.

Name of Organization: If an organization is the owner/operator state the name (e.g., company, municipal department, public authority, etc.). If the owner/operator is the same as the generator enter "**Same as Generator Section B**" and go to Section D.

Contact Name: Provide the name and title of a representative of the organization who may be contacted for further information.

Street: Provide the street address of the contact named above.

City/Town/State/Zip Code: Provide the remainder of the owner/operator's mailing address.

Telephone: State a telephone number, including area code and any extension, where the contact named above may be reached.

D. Transporter/Common Carrier Information

1.Transporter/Common Carrier Name: Record the name of the individual or organization who will transport the material. Note that only one such individual or organization may use a particular Material Shipping Record.

License Number & State: If the transporter is a licensed hazardous waste transporter the transporter's hazardous waste license number and licensing state.

Contact Person: Provide the name and title of a transporter representative who may be contacted for further information.

Street: Provide the street address of the transporter.

City/Town/State/Zip Code: Provide the remainder of the transporter mailing address.

Telephone: State a telephone number, including area code and any extension, for the transporter.

E. Receiving Facility

1.Operator/Facility Name: Record the name of the operator of the facility planned to receive the material tracked by the Material Shipping Record. Also record the name of the receiving facility, if different.

Contact Person: Provide the name and title of a representative of the receiving facility who may be contacted for further information.

Street: Provide the street address of the individual named above. This may not be the actual address of the receiving facility.

City/Town/State/Zip Code: Provide the remainder of the mailing address of the receiving facility contact.

Telephone: State a telephone number, including area code and any extension, where the receiving facility contact may be reached.

2.Type of Facility: Indicate the type of facility receiving the material based on the type of management planned for those materials. If selecting "other", specify the facility type.

3.Permit Number: If applicable, state the DEP Division of Hazardous Materials Hazardous Waste Class A Recycling Permit or Division of Solid Waste Management Facility number for the receiving facility.

F. Description of Material

1. a. Soil/Dredge Material/Fill: If the material is soil, dredge material or fill check the appropriate box(s).

1. b. Description: Describe the physical characteristics of the material with regards to size, type, and composition. If the contaminated media is soil, indicate the soil type.

1. c. Classification: If soil indicate the classification method(s): MIT = M.I.T and British Standards Institute, AASHO = American Association of State Highway Officials, USDA = U.S. Dept. of Agriculture, USAEC = Unified Soil Classification System, ASEE = American Society for Engineering Education (Burmeister).

2. Other: If a material other than soil, dredge material, or fill describe here.

3. Type of Contamination: Check all that apply to the material.

4. Constituents of Concern: Specify the type of oil and/or hazardous material contaminating the material intended for transport by checking the applicable blocks. The abbreviations correspond to the following: As = Arsenic; Cd = Cadmium; Cr = Total Chromium; Pb = Lead; Hg = Mercury; Na = Sodium; PCBs = polychlorinated biphenyls; HVOCS = chlorinated compounds (eg. chlorinated solvents); PATH = pathogens; VOCs = Volatile organic compounds other than chlorinated compounds this includes benzene, ethylbenzenes, toluene, and xylenes; PAHs = polyaromatic hydrocarbons; BNAs = Acid/Base/Neutral extractables; and TPH = Total Petroleum Hydrocarbons.

5. Analyses Performed: Specify the analytical tests that were performed on the material by checking the applicable box(es).

6. Screening Performed: Indicate any screening tests that were performed in characterizing the material, the type of instrument used, and constituents screened.

7. Estimated Volume of Materials: State the estimated volume in cubic yards and weight in tons of the material intended for transport. If providing another measure of volume, state the unit of measurement.

8. Contaminant Source: Indicate the source of contamination found in the material.

9. Supporting Documentation: Indicate the type of supporting documentation included with the Shipping Record.

G. Qualified Environmental Professional Opinion

Name of Qualified Environmental Professional Organization: Provide the name of the employer of the Qualified Environmental Professional who prepared the Material Shipping Record, if applicable.

Qualified Environmental Professional Name/Title/Telephone: Provide the name, title and telephone number, including area code and any extension, of the Qualified Environmental Professional who prepared the Material Shipping Record.

Signature/Date: The Qualified Environmental Professional who prepared the Material Shipping Record must sign and date the Material Shipping Record.

License Number: Record the license or certification number of the Qualified Environmental Professional (eg. Professional Engineer, Professional Geologist).

Seal: The Qualified Environmental Professional who prepared the Material Shipping Record must stamp the Material Shipping Record with his or her official seal.

H. Generator Certification

Signature/Date/Name: The individual who is named in Section B as the contact must legibly sign and print his or her name, state a title, if any, and date the Material Shipping Record. The Qualified Environmental Professional who prepared the Material Shipping Record may sign only when authorized in writing by the individual or organization assuming responsibility. A copy of the written authorization must be attached to the Material Shipping Record.

I. Acknowledgement of Receipt by Receiving Facility

Receiving Facility Representative: The highest ranking official at the receiving facility having day-to-day responsibility for receipt of the material must sign and date the Summary Sheet to certify the delivery to the facility of all contaminated material recorded on the Log Sheet(s).

Material Shipping Record Log (Page 5 of form)

Make additional copies of this page if you have more than 4 loads.

Release Tracking Number: Repeat the Release Tracking Number from the first page of the Material Shipping Record.

J. Load Information: Each Log Sheet can record the movement of up to four truck loads of contaminated materials.

Transporter: The driver of the truck transporting the material must sign the Log Sheet for the appropriate Load and record the license number of the trailer, date and time of shipment.

Receiving Facility Representative: A representative of the receiving facility must sign and date the Log Sheet for the appropriate Load and record the load size of the material in cubic yards or another pertinent measure.

K. Log Sheet Volume Information

Total Loads This Page: State the total volume of material whose delivery to the receiving facility is recorded on the Log Sheet. If you have more than 4 loads, make additional copies of this page.

Total Carried Forward: State the total volume of material whose delivery is recorded on prior Log Sheets, i.e., if the current sheet is the third of four, state the combined totals for the first two Log Sheets.

Material Shipping Record Total: State the total volume of material transported using the Material Shipping Record, i.e., using the example in Item 60, state the total for all four Log Sheets. This quantity will likely differ from the estimated amount recorded at Item 43.

Page Number: Indicate the sheet number and the total number of Log Sheets attached to the Material Shipping Record.



Tracking Number

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials **not** subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

IMPORTANT:

This form is *NOT* to be used for the shipment of remediation wastes subject to management under section 310 CMR 40.0035 of the Massachusetts Contingency Plan nor is it to be used in lieu of a hazardous waste manifest for hazardous waste or recyclable materials subject to the Massachusetts Hazardous Waste Regulations 310 CMR 30.000.

A Location Information

1. Provide the following information on the location where the waste was generated:

Release name (optional)

Street

Location aid

City/Town

State

Zip code

2. Date/Period of generation:

____ / ____ / ____
From To

5. List additional tracking documents associated with this document:

3. U.S. EPA ID number:

4. 21E release:

yes no

B Generator Information

1. Provide the following generator information:

Name of organization

Contact name

Title

Street address

City/Town

State

Zip code

Telephone number and extension

C Owner and/or Operator Information

1. If the owner and/or operator is different from the generator as indicated in Section B, provide the following information:

Check applicable: owner operator

Name of organization

Contact name

Title

Street address

City/Town

State

Zip code

Telephone number and extension



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D Transporter/Common Carrier Information

1. Provide the following information:

<hr/> <i>Transporter/Common carrier name</i>		<hr/> <i>Hazardous waste license number (if applicable)</i>	<hr/> <i>Licensing state (if applicable)</i>
<hr/> <i>Contact person</i>		<hr/> <i>Title</i>	
<hr/> <i>Street</i>			
<hr/> <i>City/Town</i>	<hr/> <i>State</i>	<hr/> <i>Zip code</i>	
<hr/> <i>Telephone number and extension</i>			

E Receiving Facility Information

1. Provide the following information on the receiving facility:

<hr/> <i>Operator/Facility name</i>		
<hr/> <i>Contact person</i>		<hr/> <i>Title</i>
<hr/> <i>Street</i>	<hr/> <i>State</i>	<hr/> <i>Zip code</i>
<hr/> <i>Telephone number and extension</i>		

2. Type of facility:

- | | | |
|---|---|---|
| <input type="checkbox"/> asphalt batch/cold mix | <input type="checkbox"/> landfill/disposal | <input type="checkbox"/> thermal processing |
| <input type="checkbox"/> asphalt batch/hot Mix | <input type="checkbox"/> landfill/daily cover | <input type="checkbox"/> landfill/structural fill |
| <input type="checkbox"/> other: _____ | | |

3. Permit number: _____

F Description of Material

Check all that apply:

1. a. soil dredge material fill

b. Description: _____

c. Classification: MIT USDA
 USAEC ASEE

2. Other: _____
describe _____

3. Type of contamination:

a. gasoline diesel fuel #2 oil #4 oil
 #6 oil waste oil kerosene jet fuel

b. Debris:
 demolition vegetative inorganic

c. Other: _____
describe _____



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F Description of Material (cont.)

4. Constituents of concern (check all that apply):

- As Cd Cr Pb Hg Na PCBs
- HVOCs PATH VOCs PAHs BNAs
- TPH Other:

describe

7. Estimated volume of materials:

Cubic Yards

Tons

Other

5. Analyses performed (check all that apply):

- As Cd Cr Pb Hg Na PCBs
- HVOCs PATH VOCs PAHs BNAs
- TPH TCLP (inorganic) TCLP (organic)
- Other:

describe

8. Contaminant source (check one/specify):

- transportation accident ust other:

describe

6. Screening performed:

Type

Instrument Used

Constituents

9. Indicate which waste characterization support documentation is attached:

- site history information
- sampling and analytical methods/procedure
- laboratory data field screening data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to the facility.

G Qualified Environmental Professional Opinion

Name of organization

Name of professional

Title

Telephone number and extension

"I have personally examined and am familiar with the information contained on and submitted with this form. Based on this information, it is my opinion that the testing and assessment actions undertaken were adequate to characterize the waste, and that the facility or location can accept wastes with the characteristics described in this submittal. I am aware that significant penalties including, but not limited to, possible fines and imprisonment may result if I willfully submit information which I know to be false, inaccurate, or materially incomplete."

Signature

Date

License number

Seal:



Tracking Number

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H Certification of Generator

"I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information contained herein is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information."

Signature

Date

Name (print)

I Acknowledgment of Receipt by Receiving Facility

Receiving Facility

Representative (print)

Title

Signature

Date



Tracking Number

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J Load Information

Note:
Make additional copies of this page as necessary.

LOAD #: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

LOAD #: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page _____ of _____