Massachusetts Department of Environmental Protection

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Document:	**Toxics Use Reduction Act (TURA) Reporting**
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Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Form S Cover Sheet

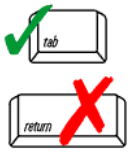
2009
Reporting Year

CLEAN HARBORS ENVI
Facility Name

34839
DEP Facility ID Number

Section 1: General Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Facility Name and Address:

CLEAN HARBORS ENVIRONMENTAL SERVICES INC
a. Name

1 HILL AVE
b. Street Address

BRAINTREE
c. City

MA
d. State

021840000
e. Zip Code

f. Are you making a trade secret claim for any information submitted in this COVER SHEET and/or Form S(s)? Yes ☐ No ☑

g. If YES, attach a statement substantiating the claim. This copy is: Sanitized ☐ Unsanitized ☐

h. Are all chemicals only used to treat wastewater? Yes ☐ No ☑
(if yes, then there are no production units associated with this facility).

i. Taxpayer Identification Number
(Federal Employer Identification Number or FEIN)

02184CLNHR385QU
j. Toxics Release Inventory (TRI) Identification Number

Section 2: Certification Statement

I hereby certify that I have reviewed this and all attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and information in these documents are accurate based on measurements and/or reasonable estimates using data available to the preparers of these documents. I am aware that there are significant penalties for willful or intentional submission of false or incomplete information. I agree on behalf of the filing facility to remit the required Toxics Use Fee (as determined on the Fee Worksheet form) to the Commonwealth of Massachusetts, as required by 301 CMR 40.03. I further certify that the information contained within this filing, as it pertains to TURA billing, is true and correct.

Gerald Podlisny
a. Authorized Signature

6/23/2010
b. Date (MM/DD/YYYY)

GERALD
c. First Name (Print)

PODLISNY
d. Last Name (Print)

ENV COMPLIANCE MANAGER
e. Position/Title

podlisny.gerald@cleanharbors.com
f. Email Address

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Form S Cover Sheet

2009
Reporting Year

CLEAN HARBORS ENVI
Facility Name

34839
DEP Facility ID Number

Section 3: Chemicals Previously Reported That Are Not Reportable This Year

In this section, you may provide information on any chemical reported last year that is not subject to reporting this year. If you substituted a non-listed chemical for a TURA chemical, you may identify the substitution.

The codes to explain why the chemical is not reportable are: [1] Chemical Below Threshold But > 0; [2] No Chemical Use in Reporting Year; [3] Chemical Substitution; [4] Chemical Eliminated (No Substitution); [5] Decline in Business; [6] Other (Explain below in the additional comments section); [7] Chemical no longer reportable under TURA. Check all the codes, up to four, that apply.

a.1 CAS # of chemical not reportable (if applicable) | a.2 Chemical Name

a3. Explanation of why the chemical Is not reportable (check codes): ☐ [1] ☐ [2] ☐ [3] ☐ [4] ☐ [5] ☐ [6] ☐ [7]

a.4 CAS # of chemical substituted for TURA chemical | a.5 Chemical Name

b.1 CAS # of chemical not reportable (if applicable) | b.2 Chemical Name

b.3 Explanation of why the chemical Is not reportable (check codes): ☐ [1] ☐ [2] ☐ [3] ☐ [4] ☐ [5] ☐ [6] ☐ [7]

b.4 CAS # of chemical substituted for TURA chemical | b.5 Chemical Name

c.1 CAS # of chemical not reportable (if applicable) | c.2 Chemical Name

c.3 Explanation of why the chemical Is not reportable (check codes): ☐ [1] ☐ [2] ☐ [3] ☐ [4] ☐ [5] ☐ [6] ☐ [7]

c.4 CAS # of chemical substituted for TURA chemical | c.5 Chemical Name

d.1 CAS # of chemical not reportable (if applicable) | d.2 Chemical Name

d.3 Explanation of why the chemical Is not reportable (check codes): ☐ [1] ☐ [2] ☐ [3] ☐ [4] ☐ [5] ☐ [6] ☐ [7]

d.4 CAS # of chemical substituted for TURA chemical | d.5 Chemical Name

e.1 CAS # of chemical not reportable (if applicable) | e.2 Chemical Name

e.3 Explanation of why the chemical Is not reportable (check codes): ☐ [1] ☐ [2] ☐ [3] ☐ [4] ☐ [5] ☐ [6] ☐ [7]

e.4 CAS # of chemical substituted for TURA chemical | e.5 Chemical Name

f. Do you have more chemicals not subject to reporting this year? Yes ☐ No ☑

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Form S Cover Sheet

2009
Reporting Year

CLEAN HARBORS ENVI
Facility Name

34839
DEP Facility ID Number

Section 4: Facility-Wide Listing of Production Units

A PRODUCTION UNIT is best thought of as the combination of the process (or activities) used to produce a product or service and the product or service. In this section, please identify the PRODUCTION UNITS at the facility, then use the production unit number to report on chemical use in the Form S.

If there has been a substantial change in a PRODUCTION UNIT from the previous reporting year, the PRODUCTION UNIT must be given a new, unique number.

3
a. Production Unit #

Is this production unit IN USE for the reporting year of this submittal?

☑ Yes ☐ No

b. Describe the Process:

STORAGE, HANDLING AND TRANSFER OF WASTE

c. Describe the Product:

POUNDS OF WASTE STORED

Enter up to four (4) six-digit NAICS Codes that best describe the Product from this Production Unit:

d. NAICS Code	e. NAICS Code	f. NAICS Code	g. NAICS Code
562211			

h. Check the appropriate description for the unit of product:

☐ area ☐ dollar ☐ hours ☐ kilowatt ☐ length ☐ N/A ☐ number ☐ volume ☑ weight

Production Process Step Information For This Production Unit

i. Enter the production process codes to identify the process steps that involve TURA-reportable chemicals as an input, output or throughput. (See the reporting guidance document for the list of production process codes and instructions on when a given code needs to be listed.)

1. GG-04 Process Code	2. Process Code	3. Process Code	4. Process Code
5. Process Code	6. Process Code	7. Process Code	8. Process Code
9. Process Code	10. Process Code	11. Process Code	12. Process Code
13. Process Code	14. Process Code	15. Process Code	16. Process Code
17. Process Code	18. Process Code	19. Process Code	20. Process Code
21. Process Code	22. Process Code	23. Process Code	24. Process Code

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Form S Cover Sheet

2009
Reporting Year

CLEAN HARBORS ENVI
Facility Name

34839
DEP Facility ID Number

Section 4: Facility-Wide Listing of Production Units (continued)

List the TURA-reportable chemicals associated with this production unit. If a chemical is associated with ALL the process steps entered in i. above, check ALL. If a chemical is associated with some but not all of the process steps, check the numbers that correspond to the process codes entered in i. above (i.e. box 1 below corresponds to the process code entered in i.1).

j. Production Unit Number: 3 (Prod. Unit #)

k. TURA Chemical — CAS #: 1040 — Chemical Name: POLYCYCLIC AROMATIC COMPO

Check "All" or the numbers that correspond to the process codes entered in i. All. ☐

1. ☑ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ 10. ☐ 11. ☐ 12. ☐

13. ☐ 14. ☐ 15. ☐ 16. ☐ 17. ☐ 18. ☐ 19. ☐ 20. ☐ 21. ☐ 22. ☐ 23. ☐ 24. ☐

l. TURA Chemical — CAS #: 1336363 — Chemical Name: POLYCHLORINATED BIPHENYLS

Check "All" or the numbers that correspond to the process codes entered in i. All. ☐

1. ☑ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ 10. ☐ 11. ☐ 12. ☐

13. ☐ 14. ☐ 15. ☐ 16. ☐ 17. ☐ 18. ☐ 19. ☐ 20. ☐ 21. ☐ 22. ☐ 23. ☐ 24. ☐

m. TURA Chemical — CAS #: 1026 — Chemical Name: LEAD COMPOUNDS

Check "All" or the numbers that correspond to the process codes entered in i. All. ☐

1. ☑ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ 10. ☐ 11. ☐ 12. ☐

13. ☐ 14. ☐ 15. ☐ 16. ☐ 17. ☐ 18. ☐ 19. ☐ 20. ☐ 21. ☐ 22. ☐ 23. ☐ 24. ☐

n. TURA Chemical — CAS #: — Chemical Name:

Check "All" or the numbers that correspond to the process codes entered in i. All. ☐

1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ 10. ☐ 11. ☐ 12. ☐

13. ☐ 14. ☐ 15. ☐ 16. ☐ 17. ☐ 18. ☐ 19. ☐ 20. ☐ 21. ☐ 22. ☐ 23. ☐ 24. ☐

o. Are there more chemicals to report for this production unit? ☐ Yes ☑ No

p. Have additional production units been added to this facility? ☐ Yes ☑ No

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Form S Cover Sheet

2009
Reporting Year

CLEAN HARBORS ENVI
Facility Name

34839
DEP Facility ID Number

Section 4: Facility-Wide Listing of Production Units

A PRODUCTION UNIT is best thought of as the combination of the process (or activities) used to produce a product or service and the product or service. In this section, please identify the PRODUCTION UNITS at the facility, then use the production unit number to report on chemical use in the Form S.

If there has been a substantial change in a PRODUCTION UNIT from the previous reporting year, the PRODUCTION UNIT must be given a new, unique number.

2
a. Production Unit #

Is this production unit IN USE for the reporting year of this submittal?

☑ Yes ☐ No

b. Describe the Process:

STABILIZATION OF LEAD

c. Describe the Product:

DECHARACTERIZED WASTE.

Enter up to four (4) six-digit NAICS Codes that best describe the Product from this Production Unit:

d. NAICS Code	e. NAICS Code	f. NAICS Code	g. NAICS Code
562211			

h. Check the appropriate description for the unit of product:

☐ area ☐ dollar ☐ hours ☐ kilowatt ☐ length ☐ N/A ☐ number ☐ volume ☑ weight

Production Process Step Information For This Production Unit

i. Enter the production process codes to identify the process steps that involve TURA-reportable chemicals as an input, output or throughput. (See the reporting guidance document for the list of production process codes and instructions on when a given code needs to be listed.)

1. GG-01 Process Code	2. Process Code	3. Process Code	4. Process Code
5. Process Code	6. Process Code	7. Process Code	8. Process Code
9. Process Code	10. Process Code	11. Process Code	12. Process Code
13. Process Code	14. Process Code	15. Process Code	16. Process Code
17. Process Code	18. Process Code	19. Process Code	20. Process Code
21. Process Code	22. Process Code	23. Process Code	24. Process Code

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Form S Cover Sheet

2009
Reporting Year

CLEAN HARBORS ENVI
Facility Name

34839
DEP Facility ID Number

Section 4: Facility-Wide Listing of Production Units (continued)

List the TURA-reportable chemicals associated with this production unit. If a chemical is associated with ALL the process steps entered in i. above, check ALL. If a chemical is associated with some but not all of the process steps, check the numbers that correspond to the process codes entered in i. above (i.e. box 1 below corresponds to the process code entered in i.1).

j. Production Unit Number: 2 (Prod. Unit #)

k. TURA Chemical — CAS #: 1026 — Chemical Name: LEAD COMPOUNDS

Check "All" or the numbers that correspond to the process codes entered in i. All. ☐

1. ☑ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ 10. ☐ 11. ☐ 12. ☐

13. ☐ 14. ☐ 15. ☐ 16. ☐ 17. ☐ 18. ☐ 19. ☐ 20. ☐ 21. ☐ 22. ☐ 23. ☐ 24. ☐

l. TURA Chemical — CAS #: 1336363 — Chemical Name: POLYCHLORINATED BIPHENYLS

Check "All" or the numbers that correspond to the process codes entered in i. All. ☐

1. ☑ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ 10. ☐ 11. ☐ 12. ☐

13. ☐ 14. ☐ 15. ☐ 16. ☐ 17. ☐ 18. ☐ 19. ☐ 20. ☐ 21. ☐ 22. ☐ 23. ☐ 24. ☐

m. TURA Chemical — CAS #: — Chemical Name:

Check "All" or the numbers that correspond to the process codes entered in i. All. ☐

1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ 10. ☐ 11. ☐ 12. ☐

13. ☐ 14. ☐ 15. ☐ 16. ☐ 17. ☐ 18. ☐ 19. ☐ 20. ☐ 21. ☐ 22. ☐ 23. ☐ 24. ☐

n. TURA Chemical — CAS #: — Chemical Name:

Check "All" or the numbers that correspond to the process codes entered in i. All. ☐

1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐ 6. ☐ 7. ☐ 8. ☐ 9. ☐ 10. ☐ 11. ☐ 12. ☐

13. ☐ 14. ☐ 15. ☐ 16. ☐ 17. ☐ 18. ☐ 19. ☐ 20. ☐ 21. ☐ 22. ☐ 23. ☐ 24. ☐

o. Are there more chemicals to report for this production unit? ☐ Yes ☑ No

p. Have additional production units been added to this facility? ☐ Yes ☑ No

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – **Toxics Use Reduction Report**

Form S

Chemical Use Facility-Wide and by Production Units

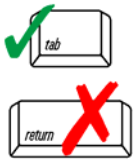
2009
Reporting Year

CLEAN HARBORS ENVIR
Facility Name

34839
DEP Facility ID Number

POLYCHLORINATED BIPH
Chemical Name

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Section 1: Facility-Wide Use of Listed Chemical

1336363
a. MA DEP CAS #

POLYCHLORINATED BIPHENYLS
b. Chemical Name (Dioxin should be in grams, decimal points may be used)

Facility-wide use of chemical identified in a. Enter the total amount (in POUNDS, except for dioxin) for each applicable category. **NOTE:** 'Generated as byproduct' (item f.) means all waste containing the listed chemical before the waste is handled, transferred, treated, recycled or released. Please refer to the reporting instructions before completing this section.

0
c. Manufactured

0
d. Processed

24732
e. Otherwise Used

24732
f. Generated as Byproduct

0
g. Shipped In Or As Product

0.22
h. Production Ratio

Section 2: Materials Balance

When the amounts reported in c, d and e in Section 1 are added together, the sum will in many cases equal the sum of f and g. In other words, lines c, d and e will often form a "materials balance." If lines c, d and e are not in approximate balance, you may use this section to explain why. Indicate all the reasons that apply by entering the number of pounds on the appropriate line below (e.g., 4,000 Chemical was held in inventory).

a. Chemical Was Recycled On Site

b. Chemical Was Consumed Or Transformed

c. Chemical Was Held In Inventory

d. Chemical Is a Compound

e. Other

f. Did anything non-routine occur at your facility during the reporting year that affected the data reported? If there is not a materials balance, and/or if the Prod. Ratio is <0.2 or >10 please check yes.

☐ Yes* ☑ No *If your answer is Yes, you may explain in Section 4.m. on Page 3.

Section 3: Chemicals Used in Waste Treatment Units

a. Is this chemical used to treat waste or control pollution?

☐ Yes ☑ No* *If your answer is No, please skip ahead to Section 4.

b. Please enter the amount of the chemical (in pounds) used to treat waste or control pollution.

Pounds

c. Did the use of this chemical for waste treatment or pollution control increase or decrease by 10 percent or more compared with the previous reporting year?

c.1 ☐ Yes* ☑ No *If your answer is Yes, you may explain in Section 4.m. on Page 3.

c.2 ☐ Yes ☑ No Are there more chemicals to report? (Use ONLY if ALL chemicals are used to treat waste or control pollution).

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Toxics Use Report - Form S

Chemical Use Facility-Wide and by Production Units

2009	Reporting Year
CLEAN HARBORS ENVIR	Facility Name
34839	DEP Facility ID Number
POLYCHLORINATED BIPH	Chemical Name

Section 4: Toxics Use by Production Unit

2
a. Production Unit #

Use

b. Quantity of Chemical Code:

☐ 1. ≤ 5,000 lbs. ☐ 2. > 5,000 ≤ 10,000 lbs. ☑ 3. > 10,000 lbs. ≤ 100,000 lbs.

☐ 4. > 100,000 lbs. ≤ 500,000 lbs. ☐ 5. > 500,000 lbs.

c. Did the use of this chemical in this production unit increase or decrease by 10 percent or more compared with the previous reporting year and/or did you implement toxics use reduction?

☑ Yes ☐ No* *If your answer is No, skip ahead to g. below.

Process code(s) where most significant changes occurred (up to three in descending order)	Type of Change (Enter "I" for Increase, "D" for Decrease)	Technique Code(s) (up to three per process code)		
GG-01 d.1.	D 2.	80 3a.	3b.	3c.
e.1.	2.	3a.	3b.	3c.
f.1.	2.	3a.	3b.	3c.

Byproduct

g. Was byproduct generated for this chemical less than 1 percent of use in this production unit?

☐ Yes* ☑ No *If your answer is Yes, skip ahead to m. on Page 3.

h. Did the byproduct generated for this chemical in this production unit increase or decrease by 10 percent or more compared with the previous reporting year and/or did you implement toxics use reduction?

☐ Yes ☑ No* *If your answer is No, skip ahead to m. on Page 3.

Process code(s) where most significant changes occurred (up to three in descending order)	Type of Change (Enter "I" for Increase, "D" for Decrease)	Technique Code(s) (up to three per process code)		
i.1.	2.	3a.	3b.	3c.
j.1.	2.	3a.	3b.	3c.
k.1.	2.	3a.	3b.	3c.

l. Are there more production units that use this chemical? ☑ Yes ☐ No

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Toxics Use Report - Form S

Chemical Use Facility-Wide and by Production Units

2009	Reporting Year
CLEAN HARBORS ENVIR	Facility Name
34839	DEP Facility ID Number
POLYCHLORINATED BIPH	Chemical Name

Section 4: Toxics Use by Production Unit (continued)

m. You may add any comments or explanations regarding chemical use and/or byproduct generated in this production unit, chemical use in waste treatment (from Section 3), and non-routine occurrences at your facility (from Section 2).

PRODUCTION UNIT 2 -18138 POUNDS WERE SENT TO CWM CHEMICAL SERVICES MODEL CITY NEW YORK FOR LANDFILL DISPOSAL. 323 POUNDS WERE SENT TO BFI NIAGARA LANDFILL, NIAGARA NY FOR LANDFILL DISPOSAL. PRODUCTION UNIT 3 - PCBS RECEIVED INTO PLANT FROM GENERATORS AN DSOLIDIFIED ON SITE. 6271 POUNDS WERE SENT FOR INCINERATION AT CLEAN HARBORS DEER PARK, LAPORTE TEXAS.

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

34839
Facility ID

CLEAN HARBORS ENVIR
Facility Name

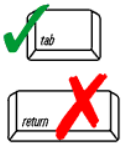
2009
Reporting Year

POLYCHLORINATED BIPH
Chemical Name

Chemical-Specific Information

Section 1 Toxic Chemical Identity

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1336363
1.1 CAS Number

POLYCHLORINATED BIPHENYLS
1.2 Toxic Chemical or Chemical Category Name

Please note that DEP does not accept the US EPA chemical category identifiers ('N###'); please refer to Appendix B of DEP's Toxics Use Reporting Forms and Instructions for the appropriate Massachusetts reporting number for chemical categories).

Are you filing a Form R ☑ yes, continue to Section 4 (note: Sections 2 and 3 are not required for State Only reporting) ☐ no, fill out only the State Only Form A section below.

State Only Form A

☐ This chemical meets the Form A filing eligibility criteria (i.e., the annual reporting amount, did not exceed 5,000 pounds this reporting year, including no more than 2,000 pounds of total disposal or releases to the environment, AND the amount manufactured, processed or otherwise used did not exceed 1 million pounds). Note: under TURA, a FormA may not be filed for PBT chemicals.

Are there additional Form A chemicals to report? ☐ yes (paper filers copy this page as necessary) ☐ no

Section 4

Enter the maximum amount of the toxic chemical onsite at any time during the calendar year

04
4.1 Two-Digit Code From TRI Instruction Package

All quantities should be entered in **pounds**, except for dioxin, which should be entered in grams.

Section 5

Quantity of the Toxic Chemical Entering Each Environmental Medium Onsite

5.1-2 Air Emissions ☑ check if not applicable

5.1 Fugitive or non-point air emissions (pounds/year)

5.2 Stack or point air emissions (pounds/year)

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Program

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

2009	Facility ID
CLEAN HARBORS ENVIR	Facility Name
34839	Reporting Year
POLYCHLORINATED BIPH	Chemical Name

Section 5 (continued)

5.3 Discharges to Receiving Streams or Water Bodies ☑ check if not applicable

Total Release (pounds/year)

5.4 Underground Injection Onsite to Class I or Class II-V wells ☑ check if not applicable

5.4.1 Underground Injection onsite to Class I Wells (pounds/year)

5.4.2 Underground Injection onsite to Class II-V Wells (pounds/year)

5.5 Disposal to Land Onsite ☑ check if not applicable

5.5.1A RCRA Subtitle C landfills (pounds/year)

5.5.1B Other landfills (pounds/year)

5.5.2 Land treatment/application farming (pounds/year)

5.5.3 Surface Impoundment (pounds/year)

5.5.4 Other disposal (pounds/year)

Section 6

Transfers of the toxic chemical in wastes to off-site locations

6.1.A Total Quantity Transferred to POTWs ☑ check if not applicable

6.1.A.1 Total Transfers to POTWs (pounds/year)

6.2 Transfers to Other Off-site Locations ☐ check if not applicable

24731

6.2.A Total Transfers (pounds/year)

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

34839	Facility ID
CLEAN HARBORS ENVIR	Facility Name
2009	Reporting Year
POLYCHLORINATED BIPH	Chemical Name

Section 7A

On-site Waste Treatment Methods and Efficiency: ☑ check if not applicable

1. General Waste Stream Code: 7A.1a

Waste Treatment Method(s) Sequence 4-character codes:

7A.1b.1	7A.1b.2	7A.1b.3	7A.1b.4	7A.1b.5	7A.1b.6	7A.1b.7	7A.1b.8

Waste Treatment Efficiency Estimate: (7A.1c)

☐ greater than 99.9999% ☐ greater than 99.99% to 99.9999% ☐ greater than 99% to 99.99%

☐ greater than 95% to 99% ☐ greater than 50% to 95% ☐ greater than 0% to 50%

2. General Waste Stream Code: 7A.2a

Waste Treatment Method(s) Sequence 4-character codes:

7A.2b.1	7A.2b.2	7A.2b.3	7A.2b.4	7A.2b.5	7A.2b.6	7A.2b.7	7A.2b.8

Waste Treatment Efficiency Estimate: (7A.2c)

☐ greater than 99.9999% ☐ greater than 99.99% to 99.9999% ☐ greater than 99% to 99.99%

☐ greater than 95% to 99% ☐ greater than 50% to 95% ☐ greater than 0% to 50%

3. General Waste Stream Code: 7A.3a

Waste Treatment Method(s) Sequence 4-character codes:

7A.3b.1	7A.3b.2	7A.3b.3	7A.3b.4	7A.3b.5	7A.3b.6	7A.3b.7	7A.3b.8

Waste Treatment Efficiency Estimate: (7A.3c)

☐ greater than 99.9999% ☐ greater than 99.99% to 99.9999% ☐ greater than 99% to 99.99%

☐ greater than 95% to 99% ☐ greater than 50% to 95% ☐ greater than 0% to 50%

Do you have additional Section 7A On-site Waste Treatment Methods information to report?

☐ yes (paper filers, please copy this page as necessary) ☐ no - continue to Section 7B.

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

34839
Facility ID

CLEAN HARBORS ENVIR
Facility Name

2009
Reporting Year

POLYCHLORINATED BIPH
Chemical Name

Section 7B

On-Site Energy Recovery Processes: ☑ check if not applicable.

Energy Recovery Methods 3-character code(s): 1 2 3 4

Section 7C

On-Site Recycling Processes: ☑ check if not applicable. Recycling Methods 3-character code(s):

1 2 3 4 5 6 7 8 9 10

Section 8

Enter data as pounds per year.

Source Reduction and Recycling Activities	Column A Prior Year	Column B Current Rpt. Year	Column C Following Year	Column D 2nd Following Year
8.1a Total on-site disposal underground injection & landfills				
8.1b Total on-site disposal or other releases				
8.1c Total off-site disposal underground injection & landfills	119784	18462	25000	30000
8.1d Total off-site disposal or other releases				
8.2 Quantity used for energy recovery onsite				
8.3 Quantity used for energy recovery offsite				
8.4 Quantity recycled onsite				
8.5 Quantity recycled offsite				
8.6 Quantity treated onsite				
8.7 Quantity treated offsite		6270		

8.8 Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes: pounds/year

8.9 Production Ratio or activity index: .22

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? ☐ yes - continue below ☐ no

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes) a	b	c
8.10.1				
8.10. 2				

Are there additional State Only Form R chemicals to report?
☐ yes - continue with additional State Only Form Rs as needed ☐ no

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Toxics Use Report - Form S

Chemical Use Facility-Wide and by Production Units

2009
Reporting Year

CLEAN HARBORS ENVIR
Facility Name

34839
DEP Facility ID Number

POLYCHLORINATED BIPH
Chemical Name

Section 4: Toxics Use by Production Unit

3
a. Production Unit #

Use

b. Quantity of Chemical Code:

☐ 1. ≤ 5,000 lbs. ☑ 2. > 5,000 ≤ 10,000 lbs. ☐ 3. > 10,000 lbs. ≤ 100,000 lbs.

☐ 4. > 100,000 lbs. ≤ 500,000 lbs. ☐ 5. > 500,000 lbs.

c. Did the use of this chemical in this production unit increase or decrease by 10 percent or more compared with the previous reporting year and/or did you implement toxics use reduction?

☑ Yes ☐ No* *If your answer is No, skip ahead to g. below.

Process code(s) where most significant changes occurred (up to three in descending order)	Type of Change (Enter "I" for Increase, "D" for Decrease)	Technique Code(s) (up to three per process code)		
d.1. GG-01	2. D	3a. 80	3b.	3c.
e.1.	2.	3a.	3b.	3c.
f.1.	2.	3a.	3b.	3c.

Byproduct

g. Was byproduct generated for this chemical less than 1 percent of use in this production unit?

☐ Yes* ☑ No *If your answer is Yes, skip ahead to m. on Page 3.

h. Did the byproduct generated for this chemical in this production unit increase or decrease by 10 percent or more compared with the previous reporting year and/or did you implement toxics use reduction?

☐ Yes ☑ No* *If your answer is No, skip ahead to m. on Page 3.

Process code(s) where most significant changes occurred (up to three in descending order)	Type of Change (Enter "I" for Increase, "D" for Decrease)	Technique Code(s) (up to three per process code)		
i.1.	2.	3a.	3b.	3c.
j.1.	2.	3a.	3b.	3c.
k.1.	2.	3a.	3b.	3c.

l. Are there more production units that use this chemical? ☐ Yes ☑ No

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – **Toxics Use Reduction Report**

Form S

Chemical Use Facility-Wide and by Production Units

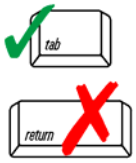
2009
Reporting Year

CLEAN HARBORS ENVIR
Facility Name

34839
DEP Facility ID Number

POLYCYCLIC AROMATIC
Chemical Name

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Section 1: Facility-Wide Use of Listed Chemical

1040
a. MA DEP CAS #

POLYCYCLIC AROMATIC COMPOUNDS
b. Chemical Name (Dioxin should be in grams, decimal points may be used)

Facility-wide use of chemical identified in a. Enter the total amount (in POUNDS, except for dioxin) for each applicable category. **NOTE:** 'Generated as byproduct' (item f.) means all waste containing the listed chemical before the waste is handled, transferred, treated, recycled or released. Please refer to the reporting instructions before completing this section.

0
c. Manufactured

0
d. Processed

1356
e. Otherwise Used

1360
f. Generated as Byproduct

4
g. Shipped In Or As Product

10.1
h. Production Ratio

Section 2: Materials Balance

When the amounts reported in c, d and e in Section 1 are added together, the sum will in many cases equal the sum of f and g. In other words, lines c, d and e will often form a "materials balance." If lines c, d and e are not in approximate balance, you may use this section to explain why. Indicate all the reasons that apply by entering the number of pounds on the appropriate line below (e.g., 4,000 Chemical was held in inventory).

a. Chemical Was Recycled On Site

b. Chemical Was Consumed Or Transformed

c. Chemical Was Held In Inventory

d. Chemical Is a Compound

e. Other

f. Did anything non-routine occur at your facility during the reporting year that affected the data reported? If there is not a materials balance, and/or if the Prod. Ratio is <0.2 or >10 please check yes.

☐ Yes* ☑ No *If your answer is Yes, you may explain in Section 4.m. on Page 3.

Section 3: Chemicals Used in Waste Treatment Units

a. Is this chemical used to treat waste or control pollution?

☐ Yes ☑ No* *If your answer is No, please skip ahead to Section 4.

b. Please enter the amount of the chemical (in pounds) used to treat waste or control pollution.

Pounds

c. Did the use of this chemical for waste treatment or pollution control increase or decrease by 10 percent or more compared with the previous reporting year?

c.1 ☐ Yes* ☑ No *If your answer is Yes, you may explain in Section 4.m. on Page 3.

c.2 ☐ Yes ☑ No Are there more chemicals to report? (Use ONLY if ALL chemicals are used to treat waste or control pollution).

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Toxics Use Report - Form S

Chemical Use Facility-Wide and by Production Units

2009	Reporting Year
CLEAN HARBORS ENVIR	Facility Name
34839	DEP Facility ID Number
POLYCYCLIC AROMATIC	Chemical Name

Section 4: Toxics Use by Production Unit

3
a. Production Unit #

Use

b. Quantity of Chemical Code:

☑ 1. ≤ 5,000 lbs. ☐ 2. > 5,000 ≤ 10,000 lbs. ☐ 3. > 10,000 lbs. ≤ 100,000 lbs.

☐ 4. > 100,000 lbs. ≤ 500,000 lbs. ☐ 5. > 500,000 lbs.

c. Did the use of this chemical in this production unit increase or decrease by 10 percent or more compared with the previous reporting year and/or did you implement toxics use reduction?

☐ Yes ☑ No* *If your answer is No, skip ahead to g. below.

Process code(s) where most significant changes occurred (up to three in descending order)	Type of Change (Enter "I" for Increase, "D" for Decrease)	Technique Code(s) (up to three per process code)		
d.1.	2.	3a.	3b.	3c.
e.1.	2.	3a.	3b.	3c.
f.1.	2.	3a.	3b.	3c.

Byproduct

g. Was byproduct generated for this chemical less than 1 percent of use in this production unit?

☐ Yes* ☑ No *If your answer is Yes, skip ahead to m. on Page 3.

h. Did the byproduct generated for this chemical in this production unit increase or decrease by 10 percent or more compared with the previous reporting year and/or did you implement toxics use reduction?

☐ Yes ☑ No* *If your answer is No, skip ahead to m. on Page 3.

Process code(s) where most significant changes occurred (up to three in descending order)	Type of Change (Enter "I" for Increase, "D" for Decrease)	Technique Code(s) (up to three per process code)		
i.1.	2.	3a.	3b.	3c.
j.1.	2.	3a.	3b.	3c.
k.1.	2.	3a.	3b.	3c.

l. Are there more production units that use this chemical? ☐ Yes ☑ No

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Toxics Use Report - Form S

Chemical Use Facility-Wide and by Production Units

2009	Reporting Year
CLEAN HARBORS ENVIR	Facility Name
34839	DEP Facility ID Number
POLYCYCLIC AROMATIC	Chemical Name

Section 4: Toxics Use by Production Unit (continued)

m. You may add any comments or explanations regarding chemical use and/or byproduct generated in this production unit, chemical use in waste treatment (from Section 3), and non-routine occurrences at your facility (from Section 2).

4.0 POUNDS OF PACS IN OIL WERE SENT TO CLEAN HARBORS ENVIRONMENTAL SERVICES FOR RECLAIM AND RETURN TO COMMERCE.1333 POUNDS OF PACS WERE SENT FOR LANDFILL DISPOSAL AT BFI NIAGARA LANDFILL INC. 6 POUNDS OF PACS WERE SENT FOR LANDFILL DISPOSAL AT CWM CHEMICAL SERVICES. 16 POUNDS PACS WERE RELEASED AS FUGITIVE EMISSIONS DURING THE APPLICATION OF 3775 SUARE FEET OF ASPHALT PAVING AT THE CHBI FACILITY

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

34839
Facility ID

CLEAN HARBORS ENVIR
Facility Name

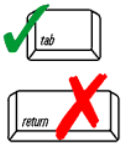
2009
Reporting Year

POLYCYCLIC AROMATIC
Chemical Name

Chemical-Specific Information

Section 1 Toxic Chemical Identity

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1040
1.1 CAS Number

POLYCYCLIC AROMATIC COMPOUNDS
1.2 Toxic Chemical or Chemical Category Name

Please note that DEP does not accept the US EPA chemical category identifiers ('N###'); please refer to Appendix B of DEP's Toxics Use Reporting Forms and Instructions for the appropriate Massachusetts reporting number for chemical categories).

Are you filing a Form R ☑ yes, continue to Section 4 (note: Sections 2 and 3 are not required for State Only reporting) ☐ no, fill out only the State Only Form A section below.

State Only Form A

☐ This chemical meets the Form A filing eligibility criteria (i.e., the annual reporting amount, did not exceed 5,000 pounds this reporting year, including no more than 2,000 pounds of total disposal or releases to the environment, AND the amount manufactured, processed or otherwise used did not exceed 1 million pounds). Note: under TURA, a FormA may not be filed for PBT chemicals.

Are there additional Form A chemicals to report? ☐ yes (paper filers copy this page as necessary) ☐ no

Section 4

Enter the maximum amount of the toxic chemical onsite at any time during the calendar year

03
4.1 Two-Digit Code From TRI Instruction Package

All quantities should be entered in **pounds**, except for dioxin, which should be entered in grams.

Section 5

Quantity of the Toxic Chemical Entering Each Environmental Medium Onsite

5.1-2 Air Emissions ☐ check if not applicable

16.0
5.1 Fugitive or non-point air emissions (pounds/year)

0
5.2 Stack or point air emissions (pounds/year)

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

2009
Facility ID

CLEAN HARBORS ENVIR
Facility Name

34839
Reporting Year

POLYCYCLIC AROMATIC
Chemical Name

Section 5 (continued)

5.3 Discharges to Receiving Streams or Water Bodies ☑ check if not applicable

Total Release (pounds/year)

5.4 Underground Injection Onsite to Class I or Class II-V wells ☑ check if not applicable

5.4.1 Underground Injection onsite to Class I Wells (pounds/year)

5.4.2 Underground Injection onsite to Class II-V Wells (pounds/year)

5.5 Disposal to Land Onsite ☑ check if not applicable

5.5.1A RCRA Subtitle C landfills (pounds/year)

5.5.1B Other landfills (pounds/year)

5.5.2 Land treatment/application farming (pounds/year)

5.5.3 Surface Impoundment (pounds/year)

5.5.4 Other disposal (pounds/year)

Section 6

Transfers of the toxic chemical in wastes to off-site locations

6.1.A Total Quantity Transferred to POTWs ☑ check if not applicable

6.1.A.1 Total Transfers to POTWs (pounds/year)

6.2 Transfers to Other Off-site Locations ☐ check if not applicable

1344
6.2.A Total Transfers (pounds/year)

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

34839	Facility ID
CLEAN HARBORS ENVIR	Facility Name
2009	Reporting Year
POLYCYCLIC AROMATIC	Chemical Name

Section 7A

On-site Waste Treatment Methods and Efficiency: ☑ check if not applicable

1. General Waste Stream Code: _____ 7A.1a

Waste Treatment Method(s) Sequence 4-character codes:

7A.1b.1	7A.1b.2	7A.1b.3	7A.1b.4	7A.1b.5	7A.1b.6	7A.1b.7	7A.1b.8

Waste Treatment Efficiency Estimate: (7A.1c)

☐ greater than 99.9999% ☐ greater than 99.99% to 99.9999% ☐ greater than 99% to 99.99%

☐ greater than 95% to 99% ☐ greater than 50% to 95% ☐ greater than 0% to 50%

2. General Waste Stream Code: _____ 7A.2a

Waste Treatment Method(s) Sequence 4-character codes:

7A.2b.1	7A.2b.2	7A.2b.3	7A.2b.4	7A.2b.5	7A.2b.6	7A.2b.7	7A.2b.8

Waste Treatment Efficiency Estimate: (7A.2c)

☐ greater than 99.9999% ☐ greater than 99.99% to 99.9999% ☐ greater than 99% to 99.99%

☐ greater than 95% to 99% ☐ greater than 50% to 95% ☐ greater than 0% to 50%

3. General Waste Stream Code: _____ 7A.3a

Waste Treatment Method(s) Sequence 4-character codes:

7A.3b.1	7A.3b.2	7A.3b.3	7A.3b.4	7A.3b.5	7A.3b.6	7A.3b.7	7A.3b.8

Waste Treatment Efficiency Estimate: (7A.3c)

☐ greater than 99.9999% ☐ greater than 99.99% to 99.9999% ☐ greater than 99% to 99.99%

☐ greater than 95% to 99% ☐ greater than 50% to 95% ☐ greater than 0% to 50%

Do you have additional Section 7A On-site Waste Treatment Methods information to report?

☐ yes (paper filers, please copy this page as necessary) ☑ no - continue to Section 7B.

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

34839	Facility ID
CLEAN HARBORS ENVIR	Facility Name
2009	Reporting Year
POLYCYCLIC AROMATIC	Chemical Name

Section 7B

On-Site Energy Recovery Processes: ☑ check if not applicable.

Energy Recovery Methods 3-character code(s): 1 2 3 4

Section 7C

On-Site Recycling Processes: ☑ check if not applicable. Recycling Methods 3-character code(s):

1 2 3 4 5 6 7 8 9 10

Section 8

Enter data as pounds per year.

Source Reduction and Recycling Activities	Column A Prior Year	Column B Current Rpt. Year	Column C Following Year	Column D 2nd Following Year
8.1a Total on-site disposal underground injection & landfills				
8.1b Total on-site disposal or other releases		16	20	20
8.1c Total off-site disposal underground injection & landfills	94	1340		
8.1d Total off-site disposal or other releases				
8.2 Quantity used for energy recovery onsite				
8.3 Quantity used for energy recovery offsite				
8.4 Quantity recycled onsite				
8.5 Quantity recycled offsite	41	4.0	15	20
8.6 Quantity treated onsite				
8.7 Quantity treated offsite				

8.8 Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes: _____ pounds/year

8.9 Production Ratio or activity index: 10.1

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? ☐ yes - continue below ☑ no

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes) a	b	c
8.10.1				
8.10. 2				

Are there additional State Only Form R chemicals to report?
☐ yes - continue with additional State Only Form Rs as needed ☐ no

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – **Toxics Use Reduction Report**

Form S

Chemical Use Facility-Wide and by Production Units

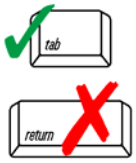
2009
Reporting Year

CLEAN HARBORS ENVIR
Facility Name

34839
DEP Facility ID Number

LEAD COMPOUNDS
Chemical Name

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Section 1: Facility-Wide Use of Listed Chemical

1026
a. MA DEP CAS #

LEAD COMPOUNDS
b. Chemical Name (Dioxin should be in grams, decimal points may be used)

Facility-wide use of chemical identified in a. Enter the total amount (in POUNDS, except for dioxin) for each applicable category. **NOTE:** 'Generated as byproduct' (item f.) means all waste containing the listed chemical before the waste is handled, transferred, treated, recycled or released. Please refer to the reporting instructions before completing this section.

0
c. Manufactured

0
d. Processed

116620
e. Otherwise Used

116620
f. Generated as Byproduct

0
g. Shipped In Or As Product

1.13
h. Production Ratio

Section 2: Materials Balance

When the amounts reported in c, d and e in Section 1 are added together, the sum will in many cases equal the sum of f and g. In other words, lines c, d and e will often form a "materials balance." If lines c, d and e are not in approximate balance, you may use this section to explain why. Indicate all the reasons that apply by entering the number of pounds on the appropriate line below (e.g., 4,000 Chemical was held in inventory).

a. Chemical Was Recycled On Site

b. Chemical Was Consumed Or Transformed

c. Chemical Was Held In Inventory

d. Chemical Is a Compound

e. Other

f. Did anything non-routine occur at your facility during the reporting year that affected the data reported? If there is not a materials balance, and/or if the Prod. Ratio is <0.2 or >10 please check yes.

☐ Yes* ☑ No *If your answer is Yes, you may explain in Section 4.m. on Page 3.

Section 3: Chemicals Used in Waste Treatment Units

a. Is this chemical used to treat waste or control pollution?

☐ Yes ☑ No* *If your answer is No, please skip ahead to Section 4.

b. Please enter the amount of the chemical (in pounds) used to treat waste or control pollution.

Pounds

c. Did the use of this chemical for waste treatment or pollution control increase or decrease by 10 percent or more compared with the previous reporting year?

c.1 ☐ Yes* ☑ No *If your answer is Yes, you may explain in Section 4.m. on Page 3.

c.2 ☐ Yes ☑ No Are there more chemicals to report? (Use ONLY if ALL chemicals are used to treat waste or control pollution).

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Toxics Use Report - Form S

Chemical Use Facility-Wide and by Production Units

2009	Reporting Year
CLEAN HARBORS ENVIR	Facility Name
34839	DEP Facility ID Number
LEAD COMPOUNDS	Chemical Name

Section 4: Toxics Use by Production Unit

2
a. Production Unit #

Use

b. Quantity of Chemical Code:

☐ 1. ≤ 5,000 lbs. ☐ 2. > 5,000 ≤ 10,000 lbs. ☑ 3. > 10,000 lbs. ≤ 100,000 lbs.

☐ 4. > 100,000 lbs. ≤ 500,000 lbs. ☐ 5. > 500,000 lbs.

c. Did the use of this chemical in this production unit increase or decrease by 10 percent or more compared with the previous reporting year and/or did you implement toxics use reduction?

☑ Yes ☐ No* *If your answer is No, skip ahead to g. below.

Process code(s) where most significant changes occurred (up to three in descending order)	Type of Change (Enter "I" for Increase, "D" for Decrease)	Technique Code(s) (up to three per process code)		
GG-01 d.1.	I 2.	80 3a.	3b.	3c.
e.1.	2.	3a.	3b.	3c.
f.1.	2.	3a.	3b.	3c.

Byproduct

g. Was byproduct generated for this chemical less than 1 percent of use in this production unit?

☐ Yes* ☑ No *If your answer is Yes, skip ahead to m. on Page 3.

h. Did the byproduct generated for this chemical in this production unit increase or decrease by 10 percent or more compared with the previous reporting year and/or did you implement toxics use reduction?

☐ Yes ☑ No* *If your answer is No, skip ahead to m. on Page 3.

Process code(s) where most significant changes occurred (up to three in descending order)	Type of Change (Enter "I" for Increase, "D" for Decrease)	Technique Code(s) (up to three per process code)		
i.1.	2.	3a.	3b.	3c.
j.1.	2.	3a.	3b.	3c.
k.1.	2.	3a.	3b.	3c.

l. Are there more production units that use this chemical? ☑ Yes ☐ No

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

34839
Facility ID

CLEAN HARBORS ENVIR
Facility Name

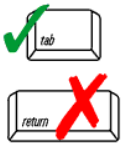
2009
Reporting Year

LEAD COMPOUNDS
Chemical Name

Chemical-Specific Information

Section 1 Toxic Chemical Identity

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1026
1.1 CAS Number

LEAD COMPOUNDS
1.2 Toxic Chemical or Chemical Category Name

Please note that DEP does not accept the US EPA chemical category identifiers ('N###'); please refer to Appendix B of DEP's Toxics Use Reporting Forms and Instructions for the appropriate Massachusetts reporting number for chemical categories).

Are you filing a Form R ☑ yes, continue to Section 4 (note: Sections 2 and 3 are not required for State Only reporting) ☐ no, fill out only the State Only Form A section below.

State Only Form A

☐ This chemical meets the Form A filing eligibility criteria (i.e., the annual reporting amount, did not exceed 5,000 pounds this reporting year, including no more than 2,000 pounds of total disposal or releases to the environment, AND the amount manufactured, processed or otherwise used did not exceed 1 million pounds). Note: under TURA, a FormA may not be filed for PBT chemicals.

Are there additional Form A chemicals to report? ☐ yes (paper filers copy this page as necessary) ☐ no

Section 4

Enter the maximum amount of the toxic chemical onsite at any time during the calendar year

04
4.1 Two-Digit Code From TRI Instruction Package

All quantities should be entered in **pounds**, except for dioxin, which should be entered in grams.

Section 5

Quantity of the Toxic Chemical Entering Each Environmental Medium Onsite

5.1-2 Air Emissions ☑ check if not applicable

5.1 Fugitive or non-point air emissions (pounds/year)

5.2 Stack or point air emissions (pounds/year)

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Program

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

2009	Facility ID
CLEAN HARBORS ENVIR	Facility Name
34839	Reporting Year
LEAD COMPOUNDS	Chemical Name

Section 5 (continued)

5.3 Discharges to Receiving Streams or Water Bodies ☑ check if not applicable

Total Release (pounds/year)

5.4 Underground Injection Onsite to Class I or Class II-V wells ☑ check if not applicable

5.4.1 Underground Injection onsite to Class I Wells (pounds/year)

5.4.2 Underground Injection onsite to Class II-V Wells (pounds/year)

5.5 Disposal to Land Onsite ☑ check if not applicable

5.5.1A RCRA Subtitle C landfills (pounds/year)

5.5.1B Other landfills (pounds/year)

5.5.2 Land treatment/application farming (pounds/year)

5.5.3 Surface Impoundment (pounds/year)

5.5.4 Other disposal (pounds/year)

Section 6

Transfers of the toxic chemical in wastes to off-site locations

6.1.A Total Quantity Transferred to POTWs ☑ check if not applicable

6.1.A.1 Total Transfers to POTWs (pounds/year)

6.2 Transfers to Other Off-site Locations ☐ check if not applicable

116620

6.2.A Total Transfers (pounds/year)

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

34839	Facility ID
CLEAN HARBORS ENVIR	Facility Name
2009	Reporting Year
LEAD COMPOUNDS	Chemical Name

Section 7A

On-site Waste Treatment Methods and Efficiency: ☑ check if not applicable

1. General Waste Stream Code: 7A.1a

Waste Treatment Method(s) Sequence 4-character codes:

7A.1b.1	7A.1b.2	7A.1b.3	7A.1b.4	7A.1b.5	7A.1b.6	7A.1b.7	7A.1b.8

Waste Treatment Efficiency Estimate: (7A.1c)

☐ greater than 99.9999% ☐ greater than 99.99% to 99.9999% ☐ greater than 99% to 99.99%

☐ greater than 95% to 99% ☐ greater than 50% to 95% ☐ greater than 0% to 50%

2. General Waste Stream Code: 7A.2a

Waste Treatment Method(s) Sequence 4-character codes:

7A.2b.1	7A.2b.2	7A.2b.3	7A.2b.4	7A.2b.5	7A.2b.6	7A.2b.7	7A.2b.8

Waste Treatment Efficiency Estimate: (7A.2c)

☐ greater than 99.9999% ☐ greater than 99.99% to 99.9999% ☐ greater than 99% to 99.99%

☐ greater than 95% to 99% ☐ greater than 50% to 95% ☐ greater than 0% to 50%

3. General Waste Stream Code: 7A.3a

Waste Treatment Method(s) Sequence 4-character codes:

7A.3b.1	7A.3b.2	7A.3b.3	7A.3b.4	7A.3b.5	7A.3b.6	7A.3b.7	7A.3b.8

Waste Treatment Efficiency Estimate: (7A.3c)

☐ greater than 99.9999% ☐ greater than 99.99% to 99.9999% ☐ greater than 99% to 99.99%

☐ greater than 95% to 99% ☐ greater than 50% to 95% ☐ greater than 0% to 50%

Do you have additional Section 7A On-site Waste Treatment Methods information to report?

☐ yes (paper filers, please copy this page as necessary) ☐ no - continue to Section 7B.

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction

State Only Form R/Form A

To be completed for State only reportable chemicals and State only required Standard Industrial Classification (SIC) Code filers. This form contains a portion of the fields used in the US EPA Form R and Form A. When filling out this form, please refer to instructions in US EPA's Toxic Chemical Release Inventory Reporting Forms and Instructions.

34839	Facility ID
CLEAN HARBORS ENVIR	Facility Name
2009	Reporting Year
LEAD COMPOUNDS	Chemical Name

Section 7B

On-Site Energy Recovery Processes: ☑ check if not applicable.

Energy Recovery Methods 3-character code(s): 1 2 3 4

Section 7C

On-Site Recycling Processes: ☑ check if not applicable. Recycling Methods 3-character code(s):

1 2 3 4 5 6 7 8 9 10

Section 8

Enter data as pounds per year.

Source Reduction and Recycling Activities	Column A Prior Year	Column B Current Rpt. Year	Column C Following Year	Column D 2nd Following Year
8.1a Total on-site disposal underground injection & landfills				
8.1b Total on-site disposal or other releases				
8.1c Total off-site disposal underground injection & landfills	103315.3	116620	135000	135000
8.1d Total off-site disposal or other releases				
8.2 Quantity used for energy recovery onsite				
8.3 Quantity used for energy recovery offsite				
8.4 Quantity recycled onsite				
8.5 Quantity recycled offsite				
8.6 Quantity treated onsite				
8.7 Quantity treated offsite				

8.8 Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes: pounds/year

8.9 Production Ratio or activity index: 1.13

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? ☐ yes - continue below ☑ no

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes) a	b	c
8.10.1				
8.10. 2				

Are there additional State Only Form R chemicals to report?
☐ yes - continue with additional State Only Form Rs as needed ☐ no

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Toxics Use Report - Form S

Chemical Use Facility-Wide and by Production Units

2009	Reporting Year
CLEAN HARBORS ENVIR	Facility Name
34839	DEP Facility ID Number
LEAD COMPOUNDS	Chemical Name

Section 4: Toxics Use by Production Unit

3
a. Production Unit #

Use

b. Quantity of Chemical Code:

☐ 1. ≤ 5,000 lbs. ☑ 2. > 5,000 ≤ 10,000 lbs. ☐ 3. > 10,000 lbs. ≤ 100,000 lbs.

☐ 4. > 100,000 lbs. ≤ 500,000 lbs. ☐ 5. > 500,000 lbs.

c. Did the use of this chemical in this production unit increase or decrease by 10 percent or more compared with the previous reporting year and/or did you implement toxics use reduction?

☑ Yes ☐ No* *If your answer is No, skip ahead to g. below.

Process code(s) where most significant changes occurred (up to three in descending order)	Type of Change (Enter "I" for Increase, "D" for Decrease)	Technique Code(s) (up to three per process code)		
GG-01 d.1.	I 2.	80 3a.	3b.	3c.
e.1.	2.	3a.	3b.	3c.
f.1.	2.	3a.	3b.	3c.

Byproduct

g. Was byproduct generated for this chemical less than 1 percent of use in this production unit?

☐ Yes* ☑ No *If your answer is Yes, skip ahead to m. on Page 3.

h. Did the byproduct generated for this chemical in this production unit increase or decrease by 10 percent or more compared with the previous reporting year and/or did you implement toxics use reduction?

☐ Yes ☑ No* *If your answer is No, skip ahead to m. on Page 3.

Process code(s) where most significant changes occurred (up to three in descending order)	Type of Change (Enter "I" for Increase, "D" for Decrease)	Technique Code(s) (up to three per process code)		
i.1.	2.	3a.	3b.	3c.
j.1.	2.	3a.	3b.	3c.
k.1.	2.	3a.	3b.	3c.

l. Are there more production units that use this chemical? ☐ Yes ☑ No

Toxics Use Report - Form S

Chemical Use Facility-Wide and by Production Units

2009	Reporting Year
CLEAN HARBORS ENVIR	Facility Name
34839	DEP Facility ID Number
LEAD COMPOUNDS	Chemical Name

Section 4: Toxics Use by Production Unit (continued)

m. You may add any comments or explanations regarding chemical use and/or byproduct generated in this production unit, chemical use in waste treatment (from Section 3), and non-routine occurrences at your facility (from Section 2).

93042 POUND OF LEAD COMPOUNDS WERE STABILIZED AND SENT OFF SITE FOR LANDFILL DISPOSAL IN PRODUCTION UNIT 2 5144 WERE SENT OFF SITE FOR LANDFILL DISPOSAL WITHOUT STABILIZATION IN PRODUCTION UNIT 3

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Toxics Use Reduction Report

Toxics Use Fee Worksheet

2009
Reporting Year

CLEAN HARBORS ENVI
Facility Name

34839
DEP Facility ID Number

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.

CLEAN HARBORS ENVIRONMENTAL SERVICES INC
a. Facility Name

1 HILL AVE
b. Facility Site Address

BRAINTREE
c. City

MA
d. State

021840000
e. Zip Code

The amount of your fee depends on the number of "full time employee equivalents" (2,000 work hours per year) at your facility, and the number of toxic substances for which reporting is required (i.e., the number of Form Ss you submit).

Use the following schedule to determine your fee for the **2009** reporting year.

# Full Time Employee Equivalents	Base Fee	Maximum Fee
≥ 10 and < 50	$1,850	$5,550
≥ 50 and < 100	$2,775	$7,400
≥ 100 and < 500	$4,625	$14,800
≥ 500	$9,250	$31,450

f. Determine your base fee by referring to the 2nd column above.	1850
g. Enter # of Form Ss you are filing that are not high hazard or low hazard chemicals:	3
h. Enter # of Form Ss you are filing for high hazard chemicals:	0
i. Enter # of Form Ss you are filing for low hazard chemicals:	0
j. ADD LINES g and h and multiply the result by $1,100.	3300
k. Add LINES f and LINE j.	5150
l. Enter the amount from LINE i or from the 3rd column of the schedule (Maximum Fee) WHICHEVER IS LESS	5150

Your fee is the amount entered in LINE l. Payment of the fee will be processed electronically later in the eDEP filing process. If the Check option is selected, print the Fee Worksheet as documentation and send a copy with your check to MassDEP PO Box 4062, Boston MA 02211 (no certified mail or overnight delivery requiring a signature). Payment is due by September 1st.

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

Plan Summary Submittal Selection Form

2009	Planning Year
CLEAN HARBORS EN	Facility Name
34839	DEP Facility ID Number

I certify under penalty of law that to the best of my knowledge and belief the following is true:

Select either 1, 2 (a-e) , 3 (a-c) or 4 as allowed per 310 CMR 50.40, 50.80 and 50.90.

1 ☐ This facility is submitting an Environmental Management Systems Progress Report.

2 ☐ This facility is submitting a Resource Conservation Plan Summary Form(s) for the following asset(s):

SELECT 1 or MORE

2a ☐ Energy
2b ☐ Water
2c ☐ Materials that contribute to solid waste
2d ☐ Toxic substances on the TURA list used below threshold amounts
2e ☐ Chemical substances exempt from TURA reporting

3 ☑ This facility is submitting Toxics Use Reduction Plan Summary Form(s). (If all chemicals used and reported at the facility have either been eliminated or reduced below reporting thresholds, please select this option as well as 3b, and indicate the chemicals below).

SELECT 3a or 3b

3a ☑ This facility has no exceptions to Toxics Use Reduction planning requirements.
3b ☐ This facility has eliminated or reduced below threshold the following chemicals – indicate CAS# Chemical Name, Method, and Steps taken. (below)

Toxics Use Reduction Plan Summary Exceptions:

1 CAS#	2 Chemical Name	3 Method* E R	4 By taking the following steps:
3b.a.1	3b.a.2	☐ ☐	3b.a.4
3b.b.1	3b.b.2	☐ ☐	3b.b.4
3b.c.1	3b.c.2	☐ ☐	3b.c.4
3b.d.1	3b.d.2	☐ ☐	3b.d.4
3b.e.1	3b.e.2	☐ ☐	3b.e.4
3b.f.1	3b.f.2	☐ ☐	3b.f.4

3b.h Do you have additional chemicals to list? Yes ☐ No ☑
If filing on paper, please attach an additonal sheet to continue.

4 ☐ This facility is scheduled to close: _____ Date (mm/dd/yyyy)

I am aware that there are penalties for submitting false information, including possible fines.

a Signature of Senior Management Official	b Date (mm/dd/yyyy): 6/23/2010
c Print Name of Senior Management Official: GERALD PODLISNY	d E-Mail Address: PODLISNY.GERALD@CLEANHARBORS.COM

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Toxics Use Reduction Report

Plan Summary Form

A separate form for each covered toxic is required.

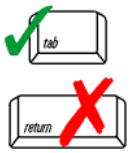
2009
Planning Year

CLEAN HARBORS ENVI
Facility Name

34839
MassDEP Facility ID Number

A. Facility-Wide Data

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



POLYCHLORINATED BIPHENYLS
A.1 Chemical Name

1336363
A.2 CAS #

Two Year Projected Changes (Total lbs.):

Use: 0
A.3 Use

Byproduct: 0
A.4 Byproduct

A.5 Is this chemical used only in wastewater treatment?
- ☐ Yes – skip to Section C.
- ☐ No – go to Section B.

B. Options Considered & Selected to Implement

B.1 Options Considered

THE TUR TEAM RECOGNIZED THAT MASS REDUCTIONS COULD ONLY BE EFFECTED BY A LIGHTER MORE ABSORBENT BINDING AGENT. THE SUGGESTION WAS MADE TO IMPROVE THE TARP COVERING THE STORAGE AREA TO MINIMIZE STORMWATER ABSORBTION, AS WELL AS ORDERING SMALLER LOADS THAT WOULD REMAIN UNDER THE COVERED AREA,

B.2 Options Selected to Implement

BETTER BINDER MANAGEMENT WILL BE ATTEMPTED, PARTICULARLY WITH THE NEW MIX TUB AVAILABLE.

Section C is optional.

C. Additional Information

You may use the following section to provide more information about your TUR Plans and/or progress.

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Toxics Use Reduction Report

Plan Summary Form

A separate form for each covered toxic is required.

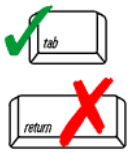
2009
Planning Year

CLEAN HARBORS ENVI
Facility Name

34839
MassDEP Facility ID Number

A. Facility-Wide Data

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



POLYCYCLIC AROMATIC COMPOUNDS
A.1 Chemical Name

1040
A.2 CAS #

Two Year Projected Changes (Total lbs.):

Use: **0**
A.3 Use

Byproduct: **0**
A.4 Byproduct

A.5 Is this chemical used only in wastewater treatment?

- ☐ Yes – skip to Section C.
- ☑ No – go to Section B.

B. Options Considered & Selected to Implement

B.1 Options Considered

PACS ARE RECEIVED INTO THE PLANT BOTH AS PRIMARY WASTE CONSTITUENTS AND AS A COMPONENT OF VARIOUS WASTE OILS THAT MAY BE SHIPPED OFF SITE FOR RECYCLING OR FINAL DISPOSAL. THE TUR TEAM CONCLUDED NO OPTIONS ARE AVAILABLE, AS NO METHODS ARE KNOWN TO REDUCE THE PACS CONTENT OF THE

B.2 Options Selected to Implement

N/A

Section C is optional.

C. Additional Information

You may use the following section to provide more information about your TUR Plans and/or progress.

THE AMOUNT OF PACS MANAGED ON SITE WILL CONTINUE TO BE DEPENDENT ON THE AMOUNT RECIEVED AS WASTE OR PRESENT IN WASTE OILS MANAGED THROUGH THE FACILITY.

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention – Toxics Use Reduction Report

Plan Summary Form

A separate form for each covered toxic is required.

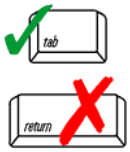
2009
Planning Year

CLEAN HARBORS ENVI
Facility Name

34839
MassDEP Facility ID Number

A. Facility-Wide Data

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



LEAD COMPOUNDS
A.1 Chemical Name

1026
A.2 CAS #

Two Year Projected Changes (Total lbs.):

Use: 0
A.3 Use

Byproduct: 0
A.4 Byproduct

A.5 Is this chemical used only in wastewater treatment?

- ☐ Yes – skip to Section C.
- ☑ No – go to Section B.

B. Options Considered & Selected to Implement

B.1 Options Considered

THE TUR TEAM MEETING REVIEWED THE CURRENT RCRA PERMIT SPECIFIED STABILIZATION PROCEDURES TO IDENTIFY WAYS TO REDUCE THE MASS OF LEAD COMPOUND GENERATED. MAXIMUM FREE WATER REMOVAL WAS SUGGESTED, AS WELL AS MORE CAREFUL RAINWATER MANAGEMENT TO PREVENT INADVERTENT INCLUSION IN

B.2 Options Selected to Implement

BETTER LIQUID MANAGEMENT WILL BE PURSUED AND LOAD TREATMENT WILL BE MINIMIZED WITHIN THE CONSTRAINTS OF PERMIT REQUIREMENTS. THIS ACTIVITY WOULD REPRESENT AN IMPROVEMENT TO OPERATION AND MAINTENANCE.

Section C is optional.

C. Additional Information

You may use the following section to provide more information about your TUR Plans and/or progress.

THE RCRA SPECIFICATIONS ON BINDING AGENTS PREVIOUSLY LIMITED BINDER ALTERNATIVES. AND COST CONSIDERATIONS HAVE LEAD TO KILN DUST AS THE STANDARD BINDING AGENT. THE AMOUNT OF TOXICS GENERATED IS STILL PREDOMINANTLY DICTATED BY THE MASS OF LEAD CONTAMINATED WASTE MATERIAL SENT TO THE FACILITY FOR DISPOSAL.

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention - Toxics Use Reduction Report

TUR Plan Summary

2009
Planning Year

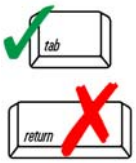
CLEAN HARBORS ENVIR
Facility Name

34839
DEP Facility ID Number

A. Planner Certification

Based on my independent professional judgment as a Toxics Use Reduction Planner, I certify under penalty of law that the following is true:

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



(a) I have examined and am familiar with this Toxics Use Reduction Plan;
(b) the Plan satisfies the requirements of 310 CMR 50.40; and
(c) the Plan demonstrates a good faith and reasonable effort to identify and evaluate toxics use reduction options.

Gerald Podlisny
1. Signature of Toxics Use Reduction Planner

6/23/2010
2. Date (mm/dd/yyyy)

GERALD PODLISNY
3. Print Name of Toxics Use Reduction Planner

PODLISNY.GERALD@CLEANHARBORS.COM
4. E-Mail Address

X231569
5. TUR Planner I.D. Number

B. Management Certification

I certify under penalty of law that the following is true:

(a) I have personally examined and am familiar with this Toxics Use Reduction Plan;
(b) I am satisfied that any supporting documentation used in the development of the Plan exists and is consistent with the Plan;
(c) based on my inquiry of those individuals immediately responsible for the development of this Plan, I believe that the information in the Plan and any supporting documentation used in the development of the Plan is true, accurate, and complete;
(d) the Plan, to the best of my knowledge and belief, meets the requirements of 310 CMR 50.40; and
(e) I am aware that there are penalties for submitting false information, including possible fines and imprisonment.

Gerald Podlisny
1. Signature of Senior Management Official

6/23/2010
2. Date (mm/dd/yyyy)

GERALD PODLISNY
3. Print Name of Senior Management Official

PODLISNY.GERALD@CLEANHARBORS.COM
4. E-Mail Address