

#1-15718

WESTFIELD

SUNOCO  
88-90 MAPLE STREET

SCANNED

SCANNED

## DEP BWSC PRA LEVEL 1 AUDIT FORM

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<b>Lead RTN:</b> 1-15718					
<b>SUBMITTAL TYPE (Circle)</b>		<b>Release Notification (circle one)</b> <u>2-Hour / 72-Hour / 120-Day</u>		<b>Date PRA Rcvd</b> 8/13/09 <b>Date Screened</b> 10/2/09 <b>Related RTNs:</b> 1-16079	
<b>IRA</b>	<b>RAM</b>	<b>URAM</b>			
<b>Plan/ Modification</b>	<b>Status/ Monitor</b>	<b>Completion Statement</b>	<b>OHM description: (Source, Type of OHM, Media Affected)</b> PCBs in surface soil		
<b>Phase I</b>	T-Class (NRS) post-BAD post-audit IHE		<b>Site Use:</b> Retail - gas, car wash, convenience store		
<b>Town:</b> Westfield			<b>Site Name:</b> Sunoco		
<b>Address:</b> 88-90 Maple St.			<b>LSP Name/No.:</b> Scott Vander Sea #3978		
<b>PRP/OP:</b> Mr. William Brochu			<b>Consulting Firm:</b> CEA		
<b>TECHNICAL SCREENING CHECKLIST</b>					
<b>Condition</b>				<b>Page #</b>	
<b>I. SITE CONCERNS</b>					
<b>A. Indoor Air (Based upon information contained within submittal)</b>				<b>Yes No ?</b>	
1. ☐ Applicable GW-2 standard exceeded @ residence/school with no soil gas/indoor air sampling				☐ ☑ ☐	
2. ☐ Site contaminants impacting indoor air				☐ ☑ ☐	
<b>B. Groundwater/Drinking Water (Based upon information contained within submittal)</b>				<b>Yes No ?</b>	
1. ☐ More than 0.5" NAPL observed in any monitoring well				☐ ☑ ☐	
2. Site within potential drinking water source area (PDWSA)				☐ ☑ ☐	
3. Site located within IWPA/mapped Zone II				☐ ☑ ☐	
4. Private/Non-municipal public well(s) (TNC, NTNC) located within 500 feet of site				☐ ☑ ☐	
5. Municipal well(s) located within 1000 feet of site				☐ ☑ ☐	
6. ☐ Private well contaminated as a result of site				☐ ☑ ☐	
7. ☐ Public water supply contaminated as a result of site				☐ ☑ ☐	
<b>C. Soil (Based upon information contained within submittal)</b>				<b>Yes No ?</b>	
1. IH levels of Arsenic (40), Cadmium (60), Chromium (200), Cyanide (100), Mercury (300), Methyl Mercury (10), or PCBs (10) in surface soil (< 1 foot)				☑ ☐ ☐	
<b>D. Environmental Concerns (Based upon information contained within submittal)</b>				<b>Yes No ?</b>	
1. Site within 500 feet of surface water and/or wetlands				☑ ☐ ☐	
2. Endangered species habitat, ACEC and/or certified vernal pool within 500 feet				☑ ☐ ☐	
3. Confirmed contamination of surface water, sediments, and/or wetlands with site contaminants				☐ ☑ ☐	
<b>E. Site &amp; Area Use (Choose all that apply)</b>				<b>Yes No ?</b>	
1. School/Institution/Playground				☐ ☑ ☐	
2. Residential in area				☑ ☐ ☐	
<b>F. Released OHM (Primary Contaminant Type(s))</b>				<b>Yes No ?</b>	
1. Petroleum Fuel Oils (#2, #4, #6, Jet fuel, kerosene, lube oil, MODF, etc.)				☐ ☑ ☐	
2. Gasoline, waste oil				☑ ☐ ☐	
3. Metals, coal tar, PCBs, pesticides/herbicides, asbestos, PAHs, cyanide				☑ ☐ ☐	
4. Chlorinated solvents or other organic compounds				☐ ☑ ☐	
<b>G. Site Complexity (Based upon information contained within submittal)</b>				<b>Yes No ?</b>	
1. Co-mingled plumes (i.e., different sources from one or more sites co-mingled)				☐ ☑ ☐	
2. Bedrock contamination				☐ ☑ ☐	
If ☐ conditions currently exist, see supervisor to discuss.					

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II. ADMINISTRATIVE ADEQUACY		Citations	Yes	No	?	NA	Page
<b>A. Regulatory Deadlines</b>							
1. Notification made on time	Date: 4/15/05	40.0300	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Phase I/TC within 1 yr of notification; Effective Date: 3/13/09 Tier: II		40.0406	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
NA Reclassification after post-audit PRA action							
3. Phase II submitted within 2 years of Tier Classification/Permit Effective Date		40.0550, 40.0560	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Phase III submitted within 2 years of Tier Classification/Permit Effective Date		40.0550, 40.0560	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Phase IV submitted within 3 years of Tier Classification/Permit Effective Date		40.0550, 40.0560	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. RAO submitted within 5 years of Tier Classification/Permit Effective Date	attached 8/10/09	40.0550, 40.0560	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Tier II Extension or Permit Extension submitted: # of Extensions		40.0560(7), 40.0720	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. For IRAs, submittal deadlines have been met (Plan within 60 days, Status Report within 120 days and every 6 months from approval or receipt of Plan, Completion Report within 60 days following completion of IRA activities, Remedial Monitoring Report monthly for IH/SRM or every 6 months for non-IH/SRM)		40.0404(2), 40.0445(1)(5), 40.0446(1), 40.0425(1)(2)(6), 40.0427(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. For RAMs, submittal deadlines have been met (Status Report within 120 days and every 6 months from approval or receipt of Plan, Completion Report within 60 days following completion of RAM activities, Remedial Monitoring Report every 6 months)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. For URAMs, submittal deadlines have been met (Letter of Intent within 7 days, Status Report within 120 days and every 6 months from notification, Completion Report within 60 days following completion of URAM activities, Remedial Monitoring Report every 6 months)		40.0404(2), 40.0462, 40.0465(1)(5), 40.0466(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>III. TECHNICAL ADEQUACY</b>							
<b>A. Response Action Type</b>							
1. Assessment Only			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Innovative Technology			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Soil Excavation: Volume			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
a. Recycle			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Landfill			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Reuse			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. Treat/Stabilize			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Cap/Cover/Engineered Barrier			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
a. Ph III completed when cap/engineered barrier was proposed or constructed as part of a Permanent Solution		40.0414(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Construction of Building in Contaminated Area			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Groundwater Treatment			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
a. Pump & Treat			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Removal (Vacuum)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Free Product Recovery			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. Bioremediation			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
i. Application within 50' surface water/100' private well/800' public well		40.0046(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Venting/Sub Slab Depressurization System			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. Soil-Vapor Extraction/Air Sparging			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9. Chemical Oxidation			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
a. Application within 50' surface water/100' private well/800' public well		40.0046(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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B. Description of Response Actions – Indication That:	40.0420, 40.0440, 40.0460	Yes	No	?	N/A	Page
1. Plan/Status Report/Completion Report is adequate/complete	40.0404(1), 40.0420(2), 40.0443(3), 40.0463(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Response actions taken were in accordance with MassDEP approvals (i.e., special conditions, interim deadlines, etc.)	40.0191, 40.0193	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Response actions proposed or taken demonstrate the level of diligence necessary, consider relevant policies, methods or practices, or have been technically justified	40.0041	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Monitoring of response actions is adequate (soil, groundwater, air, dust, etc.)	40.0017	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Analytical or environmental monitoring data is scientifically valid and defensible, and of a level of precision and accuracy commensurate with its stated or intended use	40.0041	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. System shutdown/operational problems		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C. Remediation Waste – Indication That:						
1. Remediation waste has been managed appropriately	40.0030	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Water/air discharges are within discharge limitations	40.0040	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
IV. Preliminary Response Action Type						
A. Immediate Response Actions (required for 2/72-hr release) – Indication That:						
1. Release/TOR has been adequately assessed or additional assessment is planned	40.0405, 40.0414(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. An Imminent Hazard condition has been eliminated/controlled	40.0427	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. A condition of Substantial Release Migration has been mitigated	40.0414	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Critical Exposure Pathway has been eliminated and/or mitigated	40.0414(3)&(4), 40.0427(1)(c)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Excavation and stockpiling of >100 cyds (cum.) UST-related oil- or waste oil-contaminated soil before notification	40.0421(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B. Release Abatement Measures – Indication That:						
1. Off-site disposal of > 500 cubic yards (cumulative) of OHM-contaminated soil	40.0442(2)(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. On or off-site treatment, recycling, or reuse of > 1500 cubic yards (cum.) of OHM contaminated soil	40.0442(2)(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Certification of sufficient financial resources, if excavation of >1500 cyds (cum.) OHM contaminated soil	40.0442(5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. RAM was initiated within one year of receipt of RAM Plan	40.0443(5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. RAM fee paid, if prior to Tier Classification/RAO	40.0444(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C. Utility-related Abatement Measures – Indication That:						
1. During emergency repair, notification provided within 72-hours of conducting URAM	40.0462(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. A 2-hour or 72-hour reporting condition likely exists	40.0461(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Excavation of >100 cyds (cum.) oil- or waste oil-contaminated soil (LSP required)	40.0462(4)(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Excavation of >20 cyds (cum.) haz. mat. -contaminated soil or mix (LSP required)	40.0462(4)(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Temporary relocation of soil is returned to site or otherwise managed within 14 days	40.0462(6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Reasonable attempt made to notify property owner, except during non-business-hour emergency repairs	40.462(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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V. Phase I – Initial Site Investigation – Information Regarding:		Yes	No	?	N/A	Page
<b>A. General site information including:</b>						
1. Address and Geographical Location (Street, Lat./Long. and UTM Coordinates)	40.0483(1)(a)(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Disposal Site Locus Map with 500 foot and 1/2 mile radii	40.0483(1)(a)(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Estimated number of workers on-site	40.0483(1)(a)(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Estimated residential population within 1/2 mile	40.0483(1)(a)(5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. General description of land uses surrounding the disposal site	40.0483(1)(a)(6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Number of Institutions within 500 feet	40.0483(1)(a)(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Natural Resources within 500' (surface waters, wetlands, drinking water supplies, ACECs, etc.)	40.0483(1)(a)(8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>B. Disposal Site Map, including:</b>						
1. Disposal Site Boundaries	40.0483(1)(b)(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Property boundaries located within the disposal site boundaries	40.0483(1)(b)(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. On-site buildings	40.0483(1)(b)(3)(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Floor and storm drains	40.0483(1)(b)(3)(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Subsurface utilities	40.0483(1)(b)(3)(c)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. OHM storage and disposal structures	40.0483(1)(b)(3)(d)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Location of known OHM releases	40.0483(1)(b)(3)(e)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. Monitoring wells, borings, test pits, and other screening and/or sampling points	40.0483(1)(b)(3)(f)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C. Disposal Site History, including:</b>						
1. Owner/Operator and Operations History	40.0483(1)(c)(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Release History (source and locations, cause, approx. date and duration, type of OHM, volume, etc.)	40.0483(1)(c)(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. OHM Use and Storage History (type, chemical name, uses, quantities, periods, storage locations)	40.0483(1)(c)(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Waste Management History (land disposal, subsurface, surface water, WWTP, etc.)	40.0483(1)(c)(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Environmental Permits and Compliance History (21E, OHM, WW, GW, Air, RCRA, NPDES permits)	40.0483(1)(c)(5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Potentially Responsible Parties (names and addresses of all PRPs)	40.0483(1)(c)(6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>D. Site Hydrogeological Characteristics, including:</b>						
1. Concise description of all subsurface investigations and assessments to date	40.0483(1)(d)(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Documentation of boring advancement, well construction and development, including drilling logs	40.0483(1)(d)(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Characterization of general site topography (slope, bedrock outcrops, surface drainage features)	40.0483(1)(d)(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Characterization of geologic and stratigraphic conditions	40.0483(1)(d)(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Description and graphical depiction of groundwater flow direction including monitoring well locations	40.0483(1)(d)(5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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E. Nature and Extent of Contamination, including:	40.0483(1)(e)(1)	Yes	No	?	NA	Page
1. Evidence of releases (visual, olfactory, field screening, lab analysis, historical knowledge)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Names, concentrations, and volumes of released OHM	40.0483(1)(e)(2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Laboratory data sheets	40.0483(1)(e)(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Details on approximate horizontal and vertical extent	40.0483(1)(e)(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Details on presence and thickness of non-aqueous phase liquids	40.0483(1)(e)(5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>F. Migration Pathways and Exposure Potential, including</b>						
1. Description and evaluation of known and potential migration by air, soil, groundwater, surface water	40.0483(1)(f)(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Description of known and potential human exposure by inhalation, dermal contact, or ingestion of OHM	40.0483(1)(f)(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Description of known and potential impacts to environmental receptors, especially ACECs, etc.	40.0483(1)(f)(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>G. Evaluation of the need for Immediate Response Actions</b>						
1. Evaluated the need for Immediate Response Actions	40.0483(1)(g)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>H. Conclusions</b>						
1. Presented a summary of findings and a statement of conclusions	40.0483(1)(h)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>I. Technical Justification for the omission of categories</b>						
1. Presented technical justification for omission of any of the above categories	40.0483(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>VI. Tier Classification – Numerical Ranking System:</b>						
1. A Phase I Report (or equivalent) was prepared in support of the NRS reclassification based on new info	40.0510(1)(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Tier I Inclusionary Criteria (Zone II, IWPA, GW > RCGW-1) are present at the site	40.0520(2)(a), 40.1504(2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. The site is Tier I as a result of an Imminent Hazard	40.0520(2)(a)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Modifications in Section VI resulted in a lower Tier Classification	40.1509(2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Modifications in Section VI were within the allowable ranges for each Subsection	40.1509(3), (4) & (5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. The site Classification was correct	40.0520(3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. The site score was added correctly	40.1503(5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. DEP review raised the original classification	40.1503(2), (3), 40.1509(2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

September 2, 2009



Commonwealth of Massachusetts  
Department of Environmental Protection  
Western Regional Office  
436 Dwight Street  
Springfield, MA 01103

**Re: Legal Notice – Notice of Tier II Classification  
Sunoco Station  
88-90 South Maple Street  
Westfield, MA (DUNS: 0374-5593)  
MADEP RTN: 1-15718**

To Whom It May Concern:

On behalf of Sunoco, Inc., Corporate Environmental Advisors, Inc. (CEA) has enclosed a copy of the legal notice printed in *The Republican* on August 18, 2009 for the above Notice of Tier II Classification.

Please contact the undersigned at (508)835-8822 if you have any questions.

Sincerely,  
*CORPORATE ENVIRONMENTAL ADVISORS, INC.*



Adam Guaraldi  
Geologist II



Scott VanderSea, LSP  
Principal Hydrogeologist

cc: Mr. William Brochu, Sunoco, Inc.

Legal Notices

branches is made in the deed.

TERMS OF SALE:

A deposit of Five Thousand (\$5,000.00) Dollars by certified or bank check will be required to be paid by the purchaser at the time and place of sale. The balance is to be paid by certified or bank check at Harmon Law Offices, P.C., 150 California Street, Newton, Massachusetts 02458, or by mail to P.O. Box 610389, Newton Highlands, Massachusetts 02461-0389 within thirty (30) days from the date of sale. Deed will be provided to purchaser for recording upon receipt in full of the purchase price. The description of the premises contained in said mortgage shall control in the event of an error in this publication.

Other terms, if any, to be announced at the sale.

CITIMORTGAGE, INC.  
Present holder of said mortgage

By Its Attorneys,  
HARMON LAW OFFICES,  
P.C.

150 California Street  
Newton, MA 02458  
(617) 558-0500  
200902-0311 - GRN

(August 4, 11, 18)

NOTICE OF MORTGAGEE'S SALE OF REAL ESTATE

By virtue and in execution of the Power of Sale contained in a certain mortgage given by Jason Gale to Mortgage Electronic Registration Systems, Inc., dated June 16, 2006 and recorded with the Hampden County Registry of Deeds at Book 15964, Page 436, of which mortgage U.S. Bank, National Association, as successor Trustee to Bank of America, National Association, successor by merger to LaSalle Bank, N.A. as Trustee for the MLM Trust Series 2006-MLM1 is the present holder, for breach of the conditions of said mortgage and for the purpose of foreclosing, the same will be sold at Public Auction at 12:00 p.m. on August 26, 2009, on the mortgaged premises located at 39 Ashley Road, Holyoke, Hampden County, Massachusetts, all and singular the premises described in said mortgage.

TO WIT:

**PARCEL I**  
Beginning at a point in the westerly side of Ashley Road at the southeast corner of Lot No. 17, as shown on a Plan of Lots of Goodyear Park, recorded in Hampden County Registry of Deeds, Book of Plans 7, Page 33, said point being located two hundred twenty-three and seventy-one one-hundredths (223.71) feet southerly from a stone bound set at the intersection of the westerly side of said Ashley Road, with the southerly side of Westfield Road; thence running

**WEST AND NORTH** along the southerly side of said Lot No. 17, one hundred twenty-two and forty-four one-hundredths (122.44) feet to the southeast corner of Lot No. 33, as shown on said Plan of Lots; thence

**WEST AND SOUTH** along said Lot No. 33 and Lot No. 32, ninety-one and ninety one-hundredths (91.90) feet to a point on the southerly side of said Lot No. 32, as shown on said Plan of Lots; thence

**EAST AND SOUTH** along Lot No. 19, as shown on said Plan of Lots, one hundred ninety-five and forty-six

Legal Notices

one-hundredths (195.46) feet to the westerly side of said Ashley Road; thence

**NORTHERLY** along said Ashley Road, eighty (80) feet to the place of beginning.

Containing 10,957 square feet, more or less, and being designated as Lot No. 18 on said Plan of Lots.

**PARCEL II**  
Beginning at a point in the westerly side of Ashley Road at the southeast corner of Lot No. 18, as shown on a Plan of Lots of Goodyear Park, recorded in Hampden County Registry of Deeds, Book of Plans 7, Page 33, thence

**WEST AND NORTH** along said Lot No. 18, one hundred ninety-five and forty-six one hundredths (195.46) feet to the southerly side of Lot No. 32, as shown on said Plan of Lots; thence

**WEST AND SOUTH** along Lot No. 32 and Lot No. 32, sixty-five (65) feet to the northeast corner of Lot No. 30, as shown on said Plan of Lots; thence

**EAST AND SOUTH** along Lot No. 20 as shown on said Plan of Lots, two hundred forty and sixty-two one-hundredths (240.62) feet to the westerly side of said Ashley Road; thence

**NORTHERLY** along said Ashley Road, eighty (80) feet to the place of beginning.

Containing 13,896 square feet, more or less, and being designated as Lot No. 19 on said Plan of Lots.

Said premises are conveyed subject to the following restrictions which restrictions shall be binding upon said grantees, their heirs and assigns, viz:

**FIRST:** That no part of any building erected or placed thereon shall be set back less than twenty (20) feet from the street line.

**SECOND:** That only one single dwelling house be built on the above-described premises, same to be occupied by only one family; and that said dwelling shall not cost less than Six Thousand Dollars (\$6,000.00).

**THIRD:** That no building or buildings thereon be used for manufacturing or mercantile purposes.

**FOURTH:** That there be no excavating of sand or gravel in or on the above-described premises for commercial purposes.

Parcels 1 and 2 above being the same premises conveyed to Edward M. Dunn and Dorothy M. Dunn by deed of Leonard E. Gibbons and Ann M. Gibbons, dated October 26, 1970, and recorded in Hampden County Registry of Deeds in Book 3544, Page 62.

**PARCEL III**  
The land in Holyoke, Hampden County, Massachusetts, bounded and described as follows:

**BEING** lots No. 32 (thirty-two) and No. 33 (thirty-three) as shown on a plan of Goodyear Park, said plan being recorded in Hampden County Registry of Deeds, Book of Plans 7, Page 33.

\* Excepting and excluding Lot 8 as shown on a plan recorded with said Registry in Book of Plans 342, Page 2.

Legal Notices

\*\* The property is more accurately described as Lot A on a Plan recorded with said Registry in Book of Plans 342, Page 2.

For mortgagee's(s) title see deed recorded with Hampden County Registry of Deeds in Book 15984, Page 434.

These premises will be sold and conveyed subject to and with the benefit of all rights, rights of way, restrictions, easements, covenants, liens or claims in the nature of liens, improvements, public assessments, any and all unpaid taxes, tax titles, tax liens, water and sewer liens; no any other municipal assessments or liens or existing encumbrance of record which are in force and are applicable, having priority over said mortgage, whether or not reference to such restrictions, easements, improvements, liens or encumbrances is made in the deed.

TERMS OF SALE:

A deposit of Five Thousand (\$5,000.00) Dollars by certified or bank check will be required to be paid by the purchaser at the time and place of sale. The balance is to be paid by certified or bank check at Harmon Law Offices, P.C., 150 California Street, Newton, Massachusetts 02458, or by mail to P.O. Box 610389, Newton Highlands, Massachusetts 02461-0389, within thirty (30) days from the date of sale. Deed will be provided to purchaser for recording upon receipt in full of the purchase price. The description of the premises contained in said mortgage shall control in the event of an error in this publication.

Other terms, if any, to be announced at the sale.

U.S. BANK, NATIONAL ASSOCIATION, AS SUCCESSOR TRUSTEE TO BANK OF AMERICA, NATIONAL ASSOCIATION, SUCCESSOR BY MERGER TO LASALLE BANK, N.A. AS TRUSTEE FOR THE MLM TRUST SERIES 2006-MLM1  
Present holder of said mortgage

By Its Attorneys,  
HARMON LAW OFFICES,  
P.C.

150 California Street  
Newton, MA 02458  
(617) 558-0500  
200901-2725 - GRV

(August 4, 11, 18)

NOTICE OF MORTGAGEE'S SALE OF REAL ESTATE

By virtue and in execution of the Power of Sale contained in a certain mortgage given by Valerie R. Langley to Wells Fargo Bank, N.A., dated April 4, 2006 and recorded with the Hampden County Registry of Deeds at Book 15860, Page 2, of which mortgage Wells Fargo Bank, NA is the present holder, for breach of the conditions of said mortgage and for the purpose of foreclosing, the same will be sold at Public Auction at 2:30 p.m. on August 26, 2009, on the mortgaged premises located at 18 Jonquil Drive, Springfield, Hampden County, Massachusetts, all and singular the premises described in said mortgage.

TO WIT:

The land in Springfield, Hampden County, Massachusetts, being known and designated as Lot 25 (FIVE), as shown on a plan of lots recorded in Hampden County Registry of Deeds in Book of Plans 46,

Legal Notices

Page 102, said lot being bounded and described as follows: **EASTERLY** by Jonquil Drive, eighty-four and 68/100 (84.68) feet; **SOUTHERLY** by Lot #6 (six), as shown on said plan, one hundred fifty-four (154) feet; **WESTERLY** by land now or formerly one Johnson, eighty-four and 68/100 (84.68) feet; and **NORTHERLY** by Lots #3 (three) and #4 (four) as shown on said plan, one hundred fifty-four (154) feet.

**SUBJECT** to easement rights granted to Western Massachusetts Electric Company et al as set forth in instrument dated March 1, 1960, recorded in Hampden County Registry of Deeds in Book 2377, Page 128.

For mortgagee's(s) title see deed recorded with Hampden County Registry of Deeds in Book 14467, Page 275.

These premises will be sold and conveyed subject to and with the benefit of all rights, rights of way, restrictions, easements, covenants, liens or claims in the nature of liens, improvements, public assessments, any and all unpaid taxes, tax titles, tax liens, water and sewer liens and any other municipal assessments or liens or existing encumbrances of record which are in force and are applicable, having priority over said mortgage, whether or not reference to such restrictions, easements, improvements, liens or encumbrances is made in the deed.

TERMS OF SALE:

A deposit of Five Thousand (\$5,000.00) Dollars by certified or bank check will be required to be paid by the purchaser at the time and place of sale. The balance is to be paid by certified or bank check at Harmon Law Offices, P.C., 150 California Street, Newton, Massachusetts 02458, or by mail to P.O. Box 610389, Newton Highlands, Massachusetts 02461-0389, within thirty (30) days from the date of sale. Deed will be provided to purchaser for recording upon receipt in full of the purchase price. The description of the premises contained in said mortgage shall control in the event of an error in this publication.

Other terms, if any, to be announced at the sale.

WELLS FARGO BANK, NA  
Present holder of said mortgage

By Its Attorneys,  
HARMON LAW OFFICES,  
P.C.

150 California Street  
Newton, MA 02458  
(617) 558-0500  
200907-0735 - BLU

(August 4, 11, 18)

**NOTICE OF TIER II CLASSIFICATION**  
Sunoco Inc. (RAM)  
Sunoco Station  
88-90 South Maple Street  
WESTFIELD, MASSACHUSETTS 01085  
RELEASE TRACKING  
NUMBER 1-15718

A release of oil and/or hazardous materials has occurred at the above referenced location which is a disposal site (defined by M.G.L. c. 21E, Section 2). This site has been classified as Tier II, pursuant to 310 CMR 40.0500. Response actions at this site will be conducted by Sunoco Inc. (RAM) of Westfield, Massachusetts who has employed Mr. Scott E. VanderSea, (LSP

Legal Notices

#3978) to manage response actions in accordance with the Massachusetts Contingency Plan (310 CMR 40.0500).

M.G.L. c. 21E and the Massachusetts Contingency Plan provide additional opportunities for public notice of and involvement in decisions regarding response actions at disposal sites: 1) The Chief Municipal Official and Board of Health of the community in which the site is located will be notified of major milestones and events, pursuant to 310 CMR 40.1403; and 2) Upon receipt of a petition from ten or more residents of the municipality in which the disposal site is located, or of a municipality potentially affected by a disposal site, a plan for involving the public in decisions regarding response actions at the site will be prepared and implemented, pursuant to 310 CMR 40.1405.

To obtain more information on this disposal site and the opportunities for public involvement during response actions, please contact Mr. Scott E. VanderSea, LSP, LEP, Principal Hydrogeologist, Corporate Environmental Advisors, Inc. (CEA) 127 Hartwell Street, West Boylston, MA 01581 at (508) 835-8822.

(August 18)

PUBLIC HEARING NOTICE

The Holyoke Planning Board will hold a Public Hearing on Tuesday August 25, 2009 at 6:30 p.m., in the City Council Chambers, City Hall, 536 Dwight Street, Holyoke, Massachusetts to hear an application for Site Plan Review for the construction of a 38,603 square foot, 2-story building containing 30, 1 bedroom units of senior housing and associated improvements. The new construction will be at the existing Mount Marie campus and be attached to the existing building. The application was submitted by St. Joseph Residence, Inc. for the property located at 34 Lower Westfield Road, known as 118-00-005, on the Holyoke Assessor's map.

A complete copy of the submittal may be viewed at the Holyoke Office of Planning & Development, one Court Plaza, between the hours of 8:30 a.m. and 4:30 p.m. Monday through Friday.

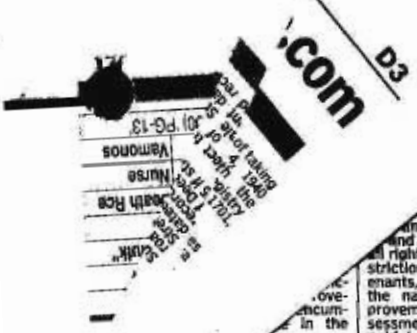
APPLICANT: ST. JOSEPH RESIDENCE, INC.  
HOLYOKE PLANNING BOARD: EILEEN REGAN, CHAIRPERSON  
(August 11, 18)

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	CBS News Inside	Entertain	NCIS "Toxic"	8E	(01) Big Brother 11	4	Medium 8E	News	Late Show		
	CBS News Inside	Entertain	NCIS "Toxic"	8E	(01) Big Brother 11	4	Medium 8E	News	Late Show		
	ABC News Inside	Chronicle	Be a Millionaire		Shac Vs. 4	8E	Dr. Oz	6	10	8	9





**NOTICE OF MORTGAGEE'S SALE OF REAL ESTATE**

By virtue and in execution of the Power of Sale contained in a certain mortgage given by Leander Thomas to Financial Freedom Senior Funding Corporation, a Subsidiary of IndyMac Bank, F.S.B., dated January 19, 2007 and recorded with the Hampden County Registry of Deeds at Book 16465, Page 447, of which mortgage Financial Freedom Acquisition LLC is the present holder, for breach of the conditions of said mortgage and for the purpose of foreclosing, the same will be sold at Public Auction at 4:00 p.m. on September 2, 2009, on the mortgaged premises located at 69-71 Willard Avenue, Springfield, Hampden County, Massachusetts, all and singular the premises described in said mortgage.

**TO WIT:**

The land in Holyoke, Hampden County, Massachusetts, beginning at a point in the easterly line of Willard Avenue, distant six hundred sixty-five and 13/100 (665.13) feet northerly by said easterly line, from the northerly line of State Street, and running thence

**NORTHERLY** by said Avenue, fifty (50) feet to an iron bar at land now or formerly of one Allen; thence

**EASTERLY** on said Allen's land, in a line parallel with State Street, one hundred thirty-three and 47/100 (133.47) feet to an iron bar; thence

**SOUTHERLY** on land now or formerly of one Reed and land now or formerly of one Goodwin, fifty and 12/100 (50.12) feet to an iron bar; and thence

**WESTERLY** along land now or formerly of one Blount and land now or formerly of one

**Blount**, one hundred twenty-nine and 1/100 (129.01) feet to a point; thence running

**N. 11° 43' 22" E.** along the easterly line of Wayne Court seventy-five (75) feet to a point; thence running

**S. 78° 16' 38" E.** a distance of one hundred twenty-six and 1/100 (126.01) feet to a point; thence running

**S. 78° 16' 38" E.** a distance of one hundred twenty-six and 1/100 (126.01) feet to a point; thence running

**S. 78° 16' 38" E.** a distance of one hundred twenty-six and 1/100 (126.01) feet to a point; thence running

**S. 78° 16' 38" E.** a distance of one hundred twenty-six and 1/100 (126.01) feet to a point; thence running

**S. 78° 16' 38" E.** a distance of one hundred twenty-six and 1/100 (126.01) feet to a point; thence running

**S. 78° 16' 38" E.** a distance of one hundred twenty-six and 1/100 (126.01) feet to a point; thence running

**S. 78° 16' 38" E.** a distance of one hundred twenty-six and 1/100 (126.01) feet to a point; thence running

**S. 78° 16' 38" E.** a distance of one hundred twenty-six and 1/100 (126.01) feet to a point; thence running

**S. 78° 16' 38" E.** a distance of one hundred twenty-six and 1/100 (126.01) feet to a point; thence running

**S. 78° 16' 38" E.** a distance of one hundred twenty-six and 1/100 (126.01) feet to a point; thence running

**Legal Notices**

conditions of said mortgage and for the purpose of foreclosing, the same will be sold at Public Auction at 10:00 a.m. on September 2, 2009, on the mortgaged premises located at 74 Carew Terrace, Springfield, Hampden County, Massachusetts, all and singular the premises described in said mortgage.

**TO WIT:**

Certain real estate situated in Springfield, Hampden County, Massachusetts, being known and designated as Lot No. one hundred thirty-one (131) as shown on a plan of lots recorded in the Hampden County Registry of Deeds in Book of Plans N, Page 25; said lot being more particularly bounded and described as follows:

**NORTHEASTERLY** by Carew Terrace, fifty (50) feet;

**SOUTHEASTERLY** by Lot No. one hundred thirty (130) as shown on said plan, one hundred five (105) feet;

**SOUTHWESTERLY** by Lot No. one hundred fifty-eight (158) as shown on said plan, fifty (50) feet; and

**NORTHWESTERLY** by Lot No. one hundred thirty-two (132) as shown on said plan, one hundred five (105) feet.

**SUBJECT** to sewer rights granted City of Springfield under Instrument dated February 28, 1930 and recorded as aforesaid in Book 1463, Page 276.

**SUBJECT** to drain rights granted City of Springfield under Instrument dated February 28, 1930 and recorded as aforesaid in Book 1463, Page 389.

For mortgagor's title see deed recorded with Hampden County Registry of Deeds in Book 17289, Page 231.

These premises will be sold and conveyed subject to and with the benefit of all rights, rights of way, restrictions, easements, covenants, liens or claims in the nature of liens, improvements, public assessments, any and all unpaid taxes, tax titles, tax liens, water and sewer liens and any other municipal assessments or liens or existing encumbrances of record which are in force and are applicable, having priority over said mortgage, whether or not reference to such restrictions, easements, improvements, liens or encumbrances is made in the deed.

**TERMS OF SALE:**

A deposit of Five Thousand (\$5,000.00) Dollars by certified or bank check will be required to be paid by the purchaser at the time and place of sale. The balance is to be paid by certified or bank check at Harmon Law Offices, P.C., 150 California Street, Newton, MA 02458 (617) 558-0500 200902-0742-BLU (August 11, 18, 25)

**TO WIT:**

the land in Holyoke, Hampden County, Massachusetts, with the buildings and improvements thereon, more particularly bounded and described as follows:

Beginning at a point on the easterly line of Wayne Court at the southerly corner of the premises herein described, and thence running

**N. 11° 43' 22" E.** along the easterly line of Wayne Court seventy-five (75) feet to a point; thence running

**S. 78° 16' 38" E.** a distance of one hundred twenty-six and 1/100 (126.01) feet to a point; thence running

## Legal Notices

**Legal Notices**

Present holder of said mortgage

**By Its Attorneys, HARMON LAW OFFICES, P.C., 150 California Street, Newton, MA 02458 (617) 558-0500 200901-0201 - GRN (August 11, 18, 25)**

**NOTICE OF MORTGAGEE'S SALE OF REAL ESTATE**

Premises: 93-95 Edgewood Street, Springfield, MA

By virtue and in execution of the Power of Sale contained in a certain mortgage given by Elias E. Guzman to Mortgage Electronic Registration Systems, Inc. as nominee for First Bank d/b/a First Bank, Inc. and now held by US Bank National Association, as Trustee, on behalf of the holders of Terwin Mortgage Trust 2006-3, Asset Backed Certificates Series 2006-3, said mortgage dated November 4, 2005, and recorded in the Hampden County Registry of Deeds in Book 14473 at Page 347, for breach of the conditions in said mortgage and for the purpose of foreclosing the same will be sold at Public Auction on August 25, 2009 at 10:00 a.m. Local Time upon the premises, all and singular the premises described in said mortgage, to wit:

That certain parcel of land together with all the buildings and improvements thereon, known as 93-95 Edgewood Street, Springfield, Massachusetts, and more particularly described as follows:

**SEE EXHIBIT "A" ANNEXED HERETO AND INCORPORATED HEREIN BY REFERENCE.**

Being the same premises conveyed by deed of Wachovia Bank, N.A. as Trustee F/K/A First Union National Bank dated October 14, 2008 and recorded in the Hampden County Registry of Deeds in Book 13736, Page 483.

Being the premises known as 93-95 Edgewood Street, Springfield, Massachusetts.

The description of the property contained in the mortgage shall control in the event of a typographical error in this publication.

For Mortgagor's Title see deed dated November 3, 2005, and recorded in Book 15473 at Page 345 with the Hampden County Registry of Deeds.

**TERMS OF SALE:** Said premises will be sold and conveyed subject to all liens, encumbrances, unpaid taxes, tax titles, municipal liens and assessments, if any, which take precedence over the said mortgage above described.

**FIVE THOUSAND (\$5,000.00)** Dollars of the purchase price must be paid in cash, certified check, bank treasurer's or cashier's check at the time and place of sale by the purchaser. The balance of the purchase price shall be paid in cash, certified check, bank treasurer's or cashier's check within thirty (30) days after the date of sale.

Other terms to be announced at the sale.

Shechtman Halperin Savage, LLP, 1080 Main Street Pawtucket, RI 02860 Attorney for US Bank National Association, as Trustee, on behalf of the holders of Terwin Mortgage Trust 2006-3, Asset Backed Certificates Series 2006-3, Present Holder of the Mortgage, (401) 272-1400

(5501701/Guzman)(08/04/09 0 8 / 1 1 / 0 8 18/09/09)(164330) (August 4, 11, 18)

**NOTICE OF MORTGAGEE'S SALE OF REAL ESTATE**

By virtue and in execution of the Power of Sale contained in a certain mortgage given by Elias E. Guzman to Mortgage Electronic Registration Systems, Inc. as nominee for First Bank d/b/a First Bank, Inc. and now held by US Bank National Association, as Trustee, on behalf of the holders of Terwin Mortgage Trust 2006-3, Asset Backed Certificates Series 2006-3, said mortgage dated November 4, 2005, and recorded in the Hampden County Registry of Deeds in Book 14473 at Page 347, for breach of the conditions in said mortgage and for the purpose of foreclosing the same will be sold at Public Auction on August 25, 2009 at 10:00 a.m. Local Time upon the premises, all and singular the premises described in said mortgage, to wit:

That certain parcel of land together with all the buildings and improvements thereon, known as 93-95 Edgewood Street, Springfield, Massachusetts, and more particularly described as follows:

**SEE EXHIBIT "A" ANNEXED HERETO AND INCORPORATED HEREIN BY REFERENCE.**

Being the same premises conveyed by deed of Wachovia Bank, N.A. as Trustee F/K/A First Union National Bank dated October 14, 2008 and recorded in the Hampden County Registry of Deeds in Book 13736, Page 483.

Being the premises known as 93-95 Edgewood Street, Springfield, Massachusetts.

The description of the property contained in the mortgage shall control in the event of a typographical error in this publication.

For Mortgagor's Title see deed dated November 3, 2005, and recorded in Book 15473 at Page 345 with the Hampden County Registry of Deeds.

## Legal Notices

**Legal Notices**

Present holder of said mortgage

**By Its Attorneys, HARMON LAW OFFICES, P.C., 150 California Street, Newton, MA 02458 (617) 558-0500 200901-0201 - GRN (August 11, 18, 25)**

**NOTICE OF MORTGAGEE'S SALE OF REAL ESTATE**

Premises: 93-95 Edgewood Street, Springfield, MA

By virtue and in execution of the Power of Sale contained in a certain mortgage given by Elias E. Guzman to Mortgage Electronic Registration Systems, Inc. as nominee for First Bank d/b/a First Bank, Inc. and now held by US Bank National Association, as Trustee, on behalf of the holders of Terwin Mortgage Trust 2006-3, Asset Backed Certificates Series 2006-3, said mortgage dated November 4, 2005, and recorded in the Hampden County Registry of Deeds in Book 14473 at Page 347, for breach of the conditions in said mortgage and for the purpose of foreclosing the same will be sold at Public Auction on August 25, 2009 at 10:00 a.m. Local Time upon the premises, all and singular the premises described in said mortgage, to wit:

That certain parcel of land together with all the buildings and improvements thereon, known as 93-95 Edgewood Street, Springfield, Massachusetts, and more particularly described as follows:

**SEE EXHIBIT "A" ANNEXED HERETO AND INCORPORATED HEREIN BY REFERENCE.**

Being the same premises conveyed by deed of Wachovia Bank, N.A. as Trustee F/K/A First Union National Bank dated October 14, 2008 and recorded in the Hampden County Registry of Deeds in Book 13736, Page 483.

Being the premises known as 93-95 Edgewood Street, Springfield, Massachusetts.

The description of the property contained in the mortgage shall control in the event of a typographical error in this publication.

For Mortgagor's Title see deed dated November 3, 2005, and recorded in Book 15473 at Page 345 with the Hampden County Registry of Deeds.

**TERMS OF SALE:** Said premises will be sold and conveyed subject to all liens, encumbrances, unpaid taxes, tax titles, municipal liens and assessments, if any, which take precedence over the said mortgage above described.

**FIVE THOUSAND (\$5,000.00)** Dollars of the purchase price must be paid in cash, certified check, bank treasurer's or cashier's check at the time and place of sale by the purchaser. The balance of the purchase price shall be paid in cash, certified check, bank treasurer's or cashier's check within thirty (30) days after the date of sale.

Other terms to be announced at the sale.

Shechtman Halperin Savage, LLP, 1080 Main Street Pawtucket, RI 02860 Attorney for US Bank National Association, as Trustee, on behalf of the holders of Terwin Mortgage Trust 2006-3, Asset Backed Certificates Series 2006-3, Present Holder of the Mortgage, (401) 272-1400

(5501701/Guzman)(08/04/09 0 8 / 1 1 / 0 8 18/09/09)(164330) (August 4, 11, 18)

**NOTICE OF MORTGAGEE'S SALE OF REAL ESTATE**

By virtue and in execution of the Power of Sale contained in a certain mortgage given by Elias E. Guzman to Mortgage Electronic Registration Systems, Inc. as nominee for First Bank d/b/a First Bank, Inc. and now held by US Bank National Association, as Trustee, on behalf of the holders of Terwin Mortgage Trust 2006-3, Asset Backed Certificates Series 2006-3, said mortgage dated November 4, 2005, and recorded in the Hampden County Registry of Deeds in Book 14473 at Page 347, for breach of the conditions in said mortgage and for the purpose of foreclosing the same will be sold at Public Auction on August 25, 2009 at 10:00 a.m. Local Time upon the premises, all and singular the premises described in said mortgage, to wit:

That certain parcel of land together with all the buildings and improvements thereon, known as 93-95 Edgewood Street, Springfield, Massachusetts, and more particularly described as follows:

**SEE EXHIBIT "A" ANNEXED HERETO AND INCORPORATED HEREIN BY REFERENCE.**

Being the same premises conveyed by deed of Wachovia Bank, N.A. as Trustee F/K/A First Union National Bank dated October 14, 2008 and recorded in the Hampden County Registry of Deeds in Book 13736, Page 483.

Being the premises known as 93-95 Edgewood Street, Springfield, Massachusetts.

The description of the property contained in the mortgage shall control in the event of a typographical error in this publication.

## Legal Notices

**Legal Notices**

Present holder of said mortgage

**By Its Attorneys, HARMON LAW OFFICES, P.C., 150 California Street, Newton, MA 02458 (617) 558-0500 200901-0201 - GRN (August 11, 18, 25)**

**NOTICE OF MORTGAGEE'S SALE OF REAL ESTATE**

Premises: 93-95 Edgewood Street, Springfield, MA

By virtue and in execution of the Power of Sale contained in a certain mortgage given by Elias E. Guzman to Mortgage Electronic Registration Systems, Inc. as nominee for First Bank d/b/a First Bank, Inc. and now held by US Bank National Association, as Trustee, on behalf of the holders of Terwin Mortgage Trust 2006-3, Asset Backed Certificates Series 2006-3, said mortgage dated November 4, 2005, and recorded in the Hampden County Registry of Deeds in Book 14473 at Page 347, for breach of the conditions in said mortgage and for the purpose of foreclosing the same will be sold at Public Auction on August 25, 2009 at 10:00 a.m. Local Time upon the premises, all and singular the premises described in said mortgage, to wit:

That certain parcel of land together with all the buildings and improvements thereon, known as 93-95 Edgewood Street, Springfield, Massachusetts, and more particularly described as follows:

**SEE EXHIBIT "A" ANNEXED HERETO AND INCORPORATED HEREIN BY REFERENCE.**

Being the same premises conveyed by deed of Wachovia Bank, N.A. as Trustee F/K/A First Union National Bank dated October 14, 2008 and recorded in the Hampden County Registry of Deeds in Book 13736, Page 483.

Being the premises known as 93-95 Edgewood Street, Springfield, Massachusetts.

The description of the property contained in the mortgage shall control in the event of a typographical error in this publication.

For Mortgagor's Title see deed dated November 3, 2005, and recorded in Book 15473 at Page 345 with the Hampden County Registry of Deeds.

**TERMS OF SALE:** Said premises will be sold and conveyed subject to all liens, encumbrances, unpaid taxes, tax titles, municipal liens and assessments, if any, which take precedence over the said mortgage above described.

**FIVE THOUSAND (\$5,000.00)** Dollars of the purchase price must be paid in cash, certified check, bank treasurer's or cashier's check at the time and place of sale by the purchaser. The balance of the purchase price shall be paid in cash, certified check, bank treasurer's or cashier's check within thirty (30) days after the date of sale.

Other terms to be announced at the sale.

Shechtman Halperin Savage, LLP, 1080 Main Street Pawtucket, RI 02860 Attorney for US Bank National Association, as Trustee, on behalf of the holders of Terwin Mortgage Trust 2006-3, Asset Backed Certificates Series 2006-3, Present Holder of the Mortgage, (401) 272-1400

(5501701/Guzman)(08/04/09 0 8 / 1 1 / 0 8 18/09/09)(164330) (August 4, 11, 18)

**NOTICE OF MORTGAGEE'S SALE OF REAL ESTATE**

By virtue and in execution of the Power of Sale contained in a certain mortgage given by Elias E. Guzman to Mortgage Electronic Registration Systems, Inc. as nominee for First Bank d/b/a First Bank, Inc. and now held by US Bank National Association, as Trustee, on behalf of the holders of Terwin Mortgage Trust 2006-3, Asset Backed Certificates Series 2006-3, said mortgage dated November 4, 2005, and recorded in the Hampden County Registry of Deeds in Book 14473 at Page 347, for breach of the conditions in said mortgage and for the purpose of foreclosing the same will be sold at Public Auction on August 25, 2009 at 10:00 a.m. Local Time upon the premises, all and singular the premises described in said mortgage, to wit:

That certain parcel of land together with all the buildings and improvements thereon, known as 93-95 Edgewood Street, Springfield, Massachusetts, and more particularly described as follows:

**SEE EXHIBIT "A" ANNEXED HERETO AND INCORPORATED HEREIN BY REFERENCE.**

Being the same premises conveyed by deed of Wachovia Bank, N.A. as Trustee F/K/A First Union National Bank dated October 14, 2008 and recorded in the Hampden County Registry of Deeds in Book 13736, Page 483.

Being the premises known as 93-95 Edgewood Street, Springfield, Massachusetts.

The description of the property contained in the mortgage shall control in the event of a typographical error in this publication.

8/18/09 6:0

3 WFSB News

4 WBZ News

5 WCVB News

August 17, 2009

Commonwealth of Massachusetts  
Department of Environmental Protection  
Western Regional Office  
436 Dwight Street  
Springfield, MA 01103



**Re: Legal Notice – Termination of Notice of AUL  
Sunoco Station  
88-90 South Maple Street  
Westfield, MA (DUNS: 0374-5593)  
MADEP RTN: 1-15718**

To Whom It May Concern:

On behalf of Sunoco, Inc., Corporate Environmental Advisors, Inc. (CEA) has enclosed a copy of the legal notice printed in *The Republican* on August 12, 2009 for the above Termination of Notice of Activity and Use Limitation (AUL).

Please contact the undersigned at (508)835-8822 if you have any questions.

Sincerely,  
*Corporate Environmental Advisors, Inc.*

Scott VanderSea, LSP  
Principal Hydrogeologist

attachments

cc: Mr. William Brochu, Sunoco, Inc.

known and designated as Lot #15 (fifteen) as shown on plan entitled "Subdivision of land of Ed. Karl, Granby, Mass.", dated 1956, said plan being recorded with Hampshire County Registry of Deeds in Book of Plans 48, page 59, said lot being more particularly bounded or described as follows:

ASTERLY by Circle Drive, one hundred and ten (110) feet; EASTERLY by Lot #14 (fourteen) as shown on said plan one hundred twenty-five (125) feet; EASTERLY by land now or formerly of Fred P. Karl et al, one hundred ten (110) feet; and

SOUTHERLY by Lot #16 (sixteen) as shown on said plan, one hundred twenty-five (125) feet.

subject to easement rights granted to the County of Hampshire, dated October 7, 1956 and recorded in said Registry of Deeds in Book 1240, Page 12.

the mortgage(s) title deed recorded with Hampshire County Registry of Deeds in Book 5154, page 255.

these premises will be sold and conveyed subject to and with the benefit of all rights, rights of way, easements, encumbrances, liens or claims in the nature of liens, improvements, public assessments, any and all unpaid taxes, tax titles, taxes, water and sewer assessments and any other municipal assessments or liens existing encumbrances or record which are in force and are applicable, having priority over said mortgage, whether or not reference to such restrictions, easements, encumbrances, liens or encumbrances is made in the deed.

**TERMS OF SALE:**  
 deposit of Five Thousand (\$5,000.00) Dollars by certified or bank check will be required to be paid by the purchaser at the time and place of sale. The balance to be paid by certified or bank check at Harmon Law Offices, P.O. Box 159 California Street, Newton, Massachusetts 02458, or by mail to, P.O. Box 610389, Newton Highlands, Massachusetts 02461-0389, within thirty (30) days from the date of sale. Deed will be provided to purchaser for recording upon receipt in full of the purchase price. The execution of the premises contained in said mortgage shall control in the event of an error in this publication.

other terms, if any, to be announced at the sale.

**S. BANK NATIONAL ASSOCIATION AS TRUSTEE**  
 present holder of said mortgage

by its Attorneys,  
**ARMON LAW OFFICES, C.**  
 50 California Street  
 Newton, MA 02458  
 (781) 558-0500  
 109502-1409 - YEL  
 (July 29, August 5, 12)

Notice to Contractors  
 Commonwealth of Massachusetts - University of Massachusetts  
 sealed bids for proposals submitted on a form furnished by the University of Massachusetts, and clearly identified as a Bid, endorsed with the name and address of the bidder, the project and Contract number, shall be received from general Bidders before 09:00 p.m. on September 3, 2009.  
 Estimate: \$100,000.00  
 Project No: UMA10-20  
 Title: Aronogy Farm - Roof replacement

he work shall be completed on or before 80 calendar days after the Notice to Proceed and in general the project includes: roof replacement on Barn 270.

pre-bid meeting will be held on August 19, 2009 @ 2 p.m. at Aronogy Farm, 53 River Road - South Deerfield, MA.

Massachusetts law also allows you to place a security freeze on your credit report. A security freeze prohibits a creditor from obtaining information from your credit report without written authorization. Be aware that placing a security freeze on your credit report may delay payment with, or prevent the timely approval of any requests you make for new loans, credit mortgages, employment, housing, or other services.

If you have been a victim of identity theft and need to provide the credit reporting agency with a valid police report, it cannot charge you to place, lift, or remove a security freeze, in all other instances, a credit reporting agency may charge you up to \$5.00 each to place, temporarily lift, or permanently remove a security freeze. If you have not been a victim of identity theft, you will need to include payment to the credit reporting agency to place, lift, or remove a security freeze by check, money order, or credit card (Visa, MasterCard, American Express, or Discover only). DO NOT SEND CASH THROUGH THE MAIL.

To place a security freeze on your credit report, you must send a written request to each of the three major reporting agencies by regular, certified, or overnight mail at the addresses below:

Equifax Security Freeze  
 P.O. Box 105788  
 Atlanta, GA 30348  
 (www.equifax.com)

Experian Security Freeze  
 P.O. Box 9554  
 Allen, TX 75013  
 (www.experian.com)

Trans Union Security Freeze  
 Fraud Victim Assistance Department  
 P.O. Box 6790  
 Fullerton, CA 92634  
 (www.transunion.com)

In order to request a security freeze, you will need to provide the following information:

1. Your full name (including middle initial as well as Jr., Sr., II, III, etc.)
2. Social Security Number.
3. Date of birth.
4. If you have moved in the past five (5) years, provide the addresses where you have lived over the prior five years.
5. Proof of current address such as a current utility bill or telephone bill.
6. A legible photocopy of a government issued identification card (state driver's license or ID card, military identification, etc.).
7. If you are a victim of identity theft, include a copy of the police report, investigative report, or complaint to a law enforcement agency concerning identity theft.

The credit reporting agencies have three (3) business days after receiving your request to place a security freeze on your credit report. The credit bureaus must also send written confirmation to you within five (5) business days and provide you with a personal identification number ("PIN") or password or both that can be used by you to authorize the removal or lifting of the security freeze.

To lift the security freeze in order to allow an entity or individual access to your credit report, you must call or send a written request to the credit reporting agencies by mail and include proper identification (name, address, and social security number) and the PIN number or password provided to you when you placed the security freeze as well as the identity of those entities or individuals you would like to receive your credit report or the specific period of time you want the credit report available. The credit reporting agencies have three (3) business days after receiving your request to lift the security freeze for those identified entities or for the specified period of time.

To remove the security freeze, you must send a written request to each of the three credit bureaus by regular, certified, or overnight mail and include proper identification (name, address, and social security number) and the PIN number or password provided to you when you placed the security freeze. The

**TERMINATION OF NOTICE OF ACTIVITY AND USE LIMITATION**  
 Sunoco S  
 88-90 South Main Street,  
 Westfield, MA 01095-4352  
 RTN 1-15718  
 A release of all and/or hazardous materials has occurred at this location, which is a disposal site as defined by M.G.L. c. 21E, § 2 and the Massachusetts Contingency Plan, 310 CMR 40.0000. On August 5, 2009, Sunoco, Inc. recorded with the Hampshire County Registry of Deeds a TERMINATION OF NOTICE OF ACTIVITY AND USE LIMITATION on the disposal site, pursuant to 310 CMR 40.1083 (1)(e).

**THE TERMINATION OF NOTICE OF ACTIVITY AND USE LIMITATION** will allow for the completion of additional response actions to achieve a condition of No Significant Risk. Any person interested in obtaining additional information about the NOTICE OF ACTIVITY AND USE LIMITATION may contact Mr. William Brochu of Sunoco, Inc. (RAM) P.O. Box 4209, Concord, NH, 03302, telephone number (603) 715-1220.

**THE TERMINATION OF NOTICE OF ACTIVITY AND USE LIMITATION** and the disposal site file can be reviewed at MassDEP, 436 Dwight Street, Springfield, MA 01103, (413) 784-1000. (August 12)

**THE COMMONWEALTH OF MASSACHUSETTS LAND COURT DEPARTMENT OF THE TRIAL COURT**

(SEAL) Case No. 395162  
 To: James M. Lewis; Lisa M. Lewis and to all persons entitled to the benefit of the Servicemembers Civil Relief Act, US BANK NATIONAL ASSOCIATION AS TRUSTEE

claiming to be the holder of a Mortgage covering real property in Feeding Hills (Azzawam), numbered 12 Lenox Street, given by James M. Lewis and Lisa M. Lewis to Mortgage Electronic Registration Systems, Inc., dated August 30, 2006, and recorded with the Hampshire County Registry of Deeds at Book 15295, Page 449 and now held by the plaintiff by assignment has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of power of sale.

If you are entitled to the benefits of the Servicemembers Civil Relief Act as amended and you object to such foreclosure of your property, you should file a written appearance and answer in said court at Boston on or before September 14, 2009, or you may be forever barred from claiming that such foreclosure is invalid under said Act.

Witness, KARYN R. SCHEIER, Chief Justice of said Court on August 3, 2009  
 DEBORAH J. PATTERSON  
 RECORDER  
 200902-2038 - YEL  
 (August 12)

**THE COMMONWEALTH OF MASSACHUSETTS LAND COURT DEPARTMENT OF THE TRIAL COURT**

(SEAL) Case No. 397161

To: Michael V. Dintzner; Theresa A. Dintzner and to all persons entitled to the benefit of the Servicemembers Civil Relief Act, Aurora Loan Services, LLC

claiming to be the holder of a Mortgage covering real property in West Springfield, numbered 106 Bosworth Street given by Michael V. Dintzner and Theresa A. Dintzner to Mortgage Electronic Registration Systems, Inc., dated June 6, 2006, and recorded with the Hampshire County Registry of Deeds at Book 15957, Page 433 and now held by the plaintiff by assignment has filed with said court a complaint for authority to fore-

close the Hampshire County Registry of Deeds at Book 10423, Page 3 as affected by a modification agreement recorded with said records at Book 17110, Page 352 has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of power of sale.

Electronic Registration Systems, Inc., dated September 19, 2006, and recorded with the Hampshire County Registry of Deeds at Book 15201, Page 132 and now held by the plaintiff by assignment has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of

power of sale and registered with the Hampshire County Registry of Deeds at Book 10423, Page 3 as affected by a modification agreement recorded with said records at Book 17110, Page 352 has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of

power of sale and registered with the Hampshire County Registry of Deeds at Book 10423, Page 3 as affected by a modification agreement recorded with said records at Book 17110, Page 352 has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of

power of sale and registered with the Hampshire County Registry of Deeds at Book 10423, Page 3 as affected by a modification agreement recorded with said records at Book 17110, Page 352 has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of

	8/12/09	6:00	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:00
3	WFSB	News	CBS News	Inside	Entertain	Christine	Gary	Criminal Minds	CSI: NY	Pr
4	WBZ	News	CBS News	Insider	Entertain	Christine	Gary	Criminal Minds	CSI: NY	Pr
5	WCVB	News	ABC News	Inside	Chronicle	Be a Millionaire		Wipeout (N)	30	Pr
7	WDHD	News (N)	ABC News	Hollywood	Extra (N)	50 Funniest Phrases		America's Got Talent	The Philant	
8	WTNH	News	ABC News	Jeopardy!	Fortune	Be a Millionaire		Wipeout (N)	30	Pr
20	WTXX	Friends	Friends	Raymond	Raymond	Next Top Model		Next Top Model	FOX 61	Ne
22	WWLP	22 News at 6PM (N)	NBC News	Wheel of Fortune	Jeopardy!	TV's 50 Funniest Phrases		America's Got Talent (Live)	30	30
24	WEDH	BBC News	Worldo	News-Lehrer		Great Performances (N)	30	Live From Lincoln Cent		
30	WVIT	News	NBC News	Extra (N)	Hollywood	50 Funniest Phrases		America's Got Talent	The Philant	
34	WESA	Music	Planet X	Outdoors	Fishing	Home Team		Odyssey	Roar	Movie
38	WSBK	King	King	Fortune	Jeopardy!	Dr. Phil (N)		News	In Store	Fraser
40	WGGB	abc40 at 6pm (N)	ABC Wild News	The Insider (N)	Be a Millionaire	Who Wants to Be a Millionaire (N)	30	Wipeout (N)	30	30
43	WHTX	Noticiero	Noticiero	Un Gancho al Corazon		En Nombre del Amor		Mañana es	Don Franci	
51	WDMR	TeleNotic	Noticiero	12 Corazones		Mas Sabe el Diabolo		Pobres	Victorinos	
57	WGBY	World News	The NewsHour With Jim Lehrer (N)	Eco-Exchange		Live From Lincoln Center		Joshua Bell and the Mostly Mozart Festival Orchestra (N)	30	Members' C
61	WTIC	Fam. Guy	Fam. Guy	Two Men	Two Men	House "Emancipation"		The Moment of Truth	FOX 61	Ne
67	WSHM	CBSS 3	Evening News	Inside Edition	Entertainment	Old Christine	Unmarried	Criminal Minds	CSI: NY	Pr
CW	WQBT	The King of Queens	The King of Queens	That '70s Show (N)	That '70s Show (N)	America's Next Top Model (N)	30	America's Next Top Model (N)	30	With
FOX6		Family Guy	Family Guy	Every- Raymond	Every- Raymond	House "Emancipation"		The Moment of Truth (Season Premiere) (N)	FOX6	News
A&E		Dog	Dog	Dog	Dog	Bounty Hunter		Criss Ange		
AMC		*** "Get Shorty" (1995, Comedy) John Travolta, Gene Hackman, Rene Russo. 30				*** "Out for Justice" (1991, Action) Steven Seagal, William Forsythe, Jerry Orbach. 30		*** "Balm of Gilead" (1993, Drama) Michael Douglas, Annette Bening, John Goodman. 30		
ANPL		Night (N)	Night (N)	Season of the Grizzly		Untamed and Uncut		I Shouldn't Be Alive	I Shouldn't	
BET		106 & Park: BET's Top 10 Live		*** "Waiting to Exhale" (1995) Whitney Houston. 30				Frankie		
BRV		Top Chef Masters		Top Chef Masters		Top Chef Masters		Top Chef Masters		
CN8		(Off Air)								
CNBC		Mad Money		Kudlow Report		CNBC Reports		American Greed	American C	
CNN		Situation Room		Lou Dobbs Tonight		Campbell Brown (N)		Larry King Live (N)	Anderson C	
COM		Hangin' with Mr. H		RENO 911!		Daily Colbert		Futurama	S. Park	S. Park
CSN		NBA Basketball		Blame		Boxing		Tennis: 1989 Agassi vs. Connors		
CSNE		Tennis		Sports		Elite XC		WPS Soccer: Los Angeles at Boston		Sports
CSPN		(5:00) House of Representatives				Tonight From Washington				
DIS		Phineas & Suite Life		Wizards of Montana		"An Extremely Goofy Movie" (G)		Montana	Wizards	
DSC		Cash Cab		Cash Cab		MythBusters (N)	30	Man vs. Wild (N)	30	Verminator
ESPN		SportsCenter		Baseball Tonight (Live)		MLB Baseball Philadelphia Phillies at Chicago Cubs		(Live)	30	
ESPN2		Horn		Interrupt		Softball Big League Final - Teams TBA. 30		World Serie		
EWTN		Quest		Fishers		Daily Mass: Our Lady		EWTN Live	Saints	Rosary
FAM		My Wife		My Wife		'70s Show		Funniest Home Videos	Funniest Home Videos	Funniest H
FOOD		Cooking		Minute		Chefography "Paula"		Chefography	Flay	Flay
FMC		*** "The Cape Town Affair" (1967)				*** "Brubaker" (1980, Drama) Robert Redford. 30				
FNC		Special Report		FOX Report		The O'Reilly Factor (N)		Hannity (N)	On the Rec	
FX		* "Epic Movie" (2007, Comedy) Kal Penn.				** "My Super Ex-Girlfriend" (2006)			** "My Su	
HALL		M*A*S*H		M*A*S*H		M*A*S*H		M*A*S*H		
HGTV		To Sell		Beyond		What Get House		Property	Property	House
HIST		MonsterQuest		30		Modern Marvels		30	MonsterQuest (N)	Ice Road Tr
INSP		Graham		Hagee		Jewish Victory		Meyer	Zola Levit	Inspiration
LIFE		Reba (N)		Reba (N)		Reba (N)		Reba (N)	"A Stranger at the Door" (2004) Linda	
MSNBC		The Ed Show (N)		Hardball		30		Countdown	Maddow Show	Countdown
MTV		Going Out		Going Out		Going Out		Daddy	Daddy	The Real World
NESN		Red Sox Game Day		MLB Baseball Detroit Tigers at Boston Red Sox (Live)						Innings
NICK		OddParent		iCarly (N)		iCarly (N)		Sponge	Malcolm	Lopez
SPIKE		*** "Star Wars VI: Return of the Jedi" (1983) Mark Hamill. (N)						*** "Star Wars VI: Return of the Jec		
SYFY		Stargate SG-1		30		Ghost Hunters		30	Ghost Hunters	Ghost Hurl
TBS		Raymond		Friends		Seinfeld		Seinfeld	Payne	Browns
TCM		"Forsaking" (1936) Joan Crawford, Clark Gable. 30				*** "Red Dust" (1932) Clark Gable, Jean Harlow. 30		*** "Mogambo" (1953) Ava Gardner, Grace Kelly		
TLC		What Not to Wear (N)		Restorer		Estate		Police Women	Truth Be Told	30
TNT		Bones (N)		30		Bones (N)		30	Leverage (N)	30
TOON		Flapjack		Flapjack		Stoked		Total	BrainRush	Destroy
TRV		Favorite Waterparks		Extreme Waterparks		Extreme Waterparks		Extreme Resorts (N)	Otherside Fast Food	Man/Food
TRUTV		Wildest Police Videos		Cops (N)		Cops (N)		Most Shocking (N)	Most Daring (N)	Most Darin
TVLAND		Little House		Cosby		Cosby		Roseanne	Roseanne	Roseanne
UNI		Locura		Noticiero		Un Gancho al Corazon		"En Nombre del Amor	Mañana es	Don Franci
USA		NCIS "High Seas" (N)		NCIS (N)		30		NCIS "Vanished" (N)	NCIS "Hatus" 30	NCIS "Hatu
VH1		"Left Eye"		Lds Revolution		Lds Revolution		Real Chance of Love	Real Chanc	
VS		Motorcycle Racing		Sports		Spo Soup		World Extreme Cagelighting		WEC Wreck
WE		Golden		Golden		Golden		20/20	20/20	20/20
ENCORE		Ratatouille		* "The New Guy" (2002) (N)	30			*** "Enemy of the State" (1998) (N)	30	(-15) ***
HBO		(5:00) "Mamma Mia!"		*** "The Incredible Hulk" (2008) PG-13				True Blood (N)	30	Hard Knock



**Legal Notices**

ages object d by labor ment of after awd, in rtion

called at (413) 545-8376 from 8 a.m. to 5 p.m. Eastern Daylight Time. E-mail correspondence can be sent to computerin@unimass.edu. University of Massachusetts, Amherst (August 5, 6, 7, 8, 10, 11, 12)

**Public Hearing Notice**  
In accordance with the Massachusetts General Laws, Chapter 30A, Section 2, NOTICE is hereby given of a public hearing to be held at 4:00 p.m. on Thursday, September 3, 2009, at the Division of Fisheries & Wildlife Field Headquarters, 1 Rabbit Hill Road, Westborough, Mass., relative to establishment of a license fee for a Resident Minor Sporting License (Class 54).

**Request for Bid**  
Wilbraham, Town of  
Public Library  
25 Crane Park Drive  
Wilbraham, Massachusetts 01095  
The Town of Wilbraham Public Library requests bids from General Contractors for interior renovations to the 2,100 sq ft library mezzanine and construction of new access stairs to the mezzanine. Bidders may obtain bid sets at the Library 8/12/09 after 2:00 p.m. for a \$50.00 deposit or by going to the World Wide Web at [www.Projectdodge.com](http://www.Projectdodge.com), enter Project code #705108 in the project locator box, and follow the prompts to the downloadable Bid Set free of charge. Bidders may obtain one bid set in the form of a CD by calling Projectdodge or by visiting the Projectdodge plan room. Bidders may also purchase paper drawings and specifications by calling Projectdodge for details or by visiting the Projectdodge web site. Bidders may also call Projectdodge for details on refundable plan deposits. Question regarding plan distribution should be directed to Projectdodge at 409-9904. A walk-through is scheduled 8/12/09 at 10:00 a.m. Contact Jeffrey Hoover, Principal, Tappe Associates, Inc., 62116, Tel: (617) 451-3895, Fax: (617) 451-3895, Email: [jhoover@tappe.com](mailto:jhoover@tappe.com). Bid deadline is 9/3/09 2:00 p.m. (August 12)

**Request for Bid**  
Wilbraham, Town of  
Public Library  
25 Crane Park Drive  
Wilbraham, Massachusetts 01095  
The Town of Wilbraham Public Library requests bids from General Contractors for interior renovations to the 2,100 sq ft library mezzanine and construction of new access stairs to the mezzanine. Bidders may obtain bid sets at the Library 8/12/09 after 2:00 p.m. for a \$50.00 deposit or by going to the World Wide Web at [www.Projectdodge.com](http://www.Projectdodge.com), enter Project code #705108 in the project locator box, and follow the prompts to the downloadable Bid Set free of charge. Bidders may obtain one bid set in the form of a CD by calling Projectdodge or by visiting the Projectdodge plan room. Bidders may also purchase paper drawings and specifications by calling Projectdodge for details or by visiting the Projectdodge web site. Bidders may also call Projectdodge for details on refundable plan deposits. Question regarding plan distribution should be directed to Projectdodge at 409-9904. A walk-through is scheduled 8/12/09 at 10:00 a.m. Contact Jeffrey Hoover, Principal, Tappe Associates, Inc., 62116, Tel: (617) 451-3895, Fax: (617) 451-3895, Email: [jhoover@tappe.com](mailto:jhoover@tappe.com). Bid deadline is 9/3/09 2:00 p.m. (August 12)

**TERMINATION OF NOTICE OF ACTIVITY AND USE LIMITATION**  
Sunoco Station  
88-90 South Maple Street,  
Westfield, MA 01083-4352  
RTN 1-15718  
A release of oil and/or hazardous materials has occurred at this location, which is a disposal site as defined by M.G.L. c. 21E, § 2 and the Massachusetts Contingency Plan, 310 CMR 40.0000. On August 5, 2009, Sunoco, Inc. recorded with the Hampden County Registry of Deeds Office a TERMINATION OF NOTICE OF ACTIVITY AND USE LIMITATION on the disposal site, pursuant to 310 CMR 40.1083 (1)(e).

sure you or your attorney should file a written appearance and answer in said court at Boston on or before September 14, 2009 or you may be forever barred from claiming that such foreclosure is invalid under said act.

Witness, KARYN F. SCHEIER, Chief Justice of said Court on August 3, 2009  
Attest:  
DEBORAH J. PATTERSON  
RECORDER  
200804-1011-ORE  
(August 12)

THE COMMONWEALTH OF MASSACHUSETTS  
LAND COURT  
DEPARTMENT OF THE TRIAL COURT  
(SEAL)  
Case No. 395341

To: Marvin C. Spencer; Joyce I. Spencer; and to all persons entitled to the benefit of the Servicemembers Civil Relief Act, HSBC Bank USA, National Association, as Trustee for Home Equity Loan Trust Series ACE 2005-HE5

claiming to be the holder of a Mortgage covering real property in Springfield, numbered 208 Denver Street given by Marvin C. Spencer to Mortgage Electronic Registration Systems, Inc., dated May 17, 2005, and recorded with the Hampden County Registry of Deeds at Book 15873, Page 527 and now held by the plaintiff by assignment has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of power of sale.

If you are entitled to the benefits of the Servicemembers Civil Relief Act as amended and you object to such foreclosure you or your attorney should file a written appearance and answer in said court at Boston on or before SEPTEMBER 7, 2009 or you may be forever barred from claiming that such foreclosure is invalid under said act.

Witness, KARYN F. SCHEIER, Chief Justice of said Court on July 21, 2009  
Attest:  
DEBORAH J. PATTERSON  
RECORDER  
200902-1579-YEL  
(August 12)

THE COMMONWEALTH OF MASSACHUSETTS  
LAND COURT  
DEPARTMENT OF THE TRIAL COURT  
(SEAL)  
Case No. 395349

To: Mary Beth Czupryna; and to all persons entitled to the benefit of the Servicemembers Civil Relief Act, PNC Mortgage Corporation 1/K/A Cendant Mortgage Corporation

claiming to be the holder of a Mortgage covering real property in West Springfield, numbered 57 Worthen Street given by Thomas P. Czupryna, Cendant Mortgage Corporation, dated August 21, 1998, and recorded with the Hampden County Registry of Deeds at Book 10423, Page 3 as affected by a modification agreement recorded with said records at Book 17130, Page 352 has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of power of sale.

8/12/09  
6:00 6:30 7:00 7:30 8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30

If you are entitled to the benefits of the Servicemembers Civil Relief Act as amended and you object to such foreclosure you or your attorney should file a written appearance and answer in said court at Boston on or before SEPTEMBER 7, 2009 or you may be forever barred from claiming that such foreclosure is invalid under said act.

Witness, KARYN F. SCHEIER, Chief Justice of said Court on July 21, 2009  
Attest:  
DEBORAH J. PATTERSON  
RECORDER  
200902-0479-GRY  
(August 12)

THE COMMONWEALTH OF MASSACHUSETTS  
LAND COURT  
DEPARTMENT OF THE TRIAL COURT  
(SEAL)  
Case No. 395809

To: Ismael B. Ramos; Janice V. Ramos; and to all persons entitled to the benefit of the Servicemembers Civil Relief Act, US Bank National Association, as Trustee for CWMBS 2006-R2

claiming to be the holder of a Mortgage covering real property in Springfield, numbered 57 Porter Street given by Ismael B. Ramos and Janice V. Ramos to Wells Fargo Home Mortgage, Inc., dated February 23, 2004, and recorded with the Hampden County Registry of Deeds at Book 13987, Page 525 and now held by the plaintiff by assignment has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of power of sale.

If you are entitled to the benefits of the Servicemembers Civil Relief Act as amended and you object to such foreclosure you or your attorney should file a written appearance and answer in said court at Boston on or before SEPTEMBER 7, 2009 or you may be forever barred from claiming that such foreclosure is invalid under said act.

Witness, KARYN F. SCHEIER, Chief Justice of said Court on July 24, 2009  
Attest:  
DEBORAH J. PATTERSON  
RECORDER  
200902-1958-BLU  
(August 12)

THE COMMONWEALTH OF MASSACHUSETTS  
LAND COURT  
DEPARTMENT OF THE TRIAL COURT  
(SEAL)  
Case No. 395606

To: Wanda I. Garcia and to all persons entitled to the benefit of the Servicemembers Civil Relief Act, Deutsche Bank National Trust Company, as Trustee for First Franklin Mortgage Loan Trust 2006-FF15, Asset-Backed Certificates, Series 2006-FF15

claiming to be the holder of a Mortgage covering real property in Springfield, numbered 53-55 Alsace Street given by Wanda I. Garcia to Mortgage Electronic Registration Systems, Inc., dated December 19, 2007, and registered with the Hampden County Registry of Deeds at Book 16201, Page 132 and now held by the plaintiff by assignment has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of

8/12/09  
6:00 6:30 7:00 7:30 8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30

power of sale. If you are entitled to the benefits of the Servicemembers Civil Relief Act as amended and you object to such foreclosure you or your attorney should file a written appearance and answer in said court at Boston on or before September 7, 2009 or you may be forever barred from claiming that such foreclosure is invalid under said act.

Witness, KARYN F. SCHEIER, Chief Justice of said Court on July 23, 2009  
Attest:  
DEBORAH J. PATTERSON  
RECORDER  
200810-1810-RED  
(August 12)

THE COMMONWEALTH OF MASSACHUSETTS  
LAND COURT  
DEPARTMENT OF THE TRIAL COURT  
(SEAL)  
Case No. 395586

To: James Konunchuk; Carolann A. Konunchuk; and to all persons entitled to the benefit of the Servicemembers Civil Relief Act, Wells Fargo Bank, NA

claiming to be the holder of a Mortgage covering real property in Chicopee, numbered 26 Munger Road given by James Konunchuk a/k/a James J. Konunchuk and Carolann A. Konunchuk to Wells Fargo Bank, N.A., dated March 5, 2008, and recorded with the Hampden County Registry of Deeds at Book 12185, Page 173 has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of power of sale.

If you are entitled to the benefits of the Servicemembers Civil Relief Act as amended and you object to such foreclosure you or your attorney should file a written appearance and answer in said court at Boston on or before SEP 07 2009 or you may be forever barred from claiming that such foreclosure is invalid under said act.

Witness, KARYN F. SCHEIER, Chief Justice of said Court on Jul 23 2009  
Attest:  
DEBORAH J. PATTERSON  
RECORDER  
200902-2571-BLU  
(August 12)

THE COMMONWEALTH OF MASSACHUSETTS  
LAND COURT  
DEPARTMENT OF THE TRIAL COURT  
(SEAL)  
Case No. 395583

To: Eric R. Infanti; Nadia I. Infanti; and to all persons entitled to the benefit of the Servicemembers Civil Relief Act, GMAC Mortgage, LLC

claiming to be the holder of a Mortgage covering real property in Wilbraham, numbered 728 St. Louis Road given by Eric R. Infanti and Nadia I. Infanti to Mortgage Electronic Registration Systems, Inc., dated December 19, 2007, and registered with the Hampden County Registry of Deeds at Book 16201, Page 132 and now held by the plaintiff by assignment has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of

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6:00 6:30 7:00 7:30 8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30

power of sale. If you are entitled to the benefits of the Servicemembers Civil Relief Act as amended and you object to such foreclosure you or your attorney should file a written appearance and answer in said court at Boston on or before SEP 07 2009 or you may be forever barred from claiming that such foreclosure is invalid under said act.

Witness, KARYN F. SCHEIER, Chief Justice of said Court on JUL 23 2009  
Attest:  
DEBORAH J. PATTERSON  
RECORDER  
200901-1012-ORE  
(August 12)

THE COMMONWEALTH OF MASSACHUSETTS  
LAND COURT  
DEPARTMENT OF THE TRIAL COURT  
(SEAL)  
Case No. 395521

To: Monica M. Velez; and to all persons entitled to the benefit of the Servicemembers Civil Relief Act, Residential Funding Company, LLC

claiming to be the holder of a Mortgage covering real property in Holyoke, numbered 353 Ingleside Street given by Monica M. Velez to Mortgage Electronic Registration Systems, Inc., dated September 29, 2005, and recorded with the Hampden County Registry of Deeds at Book 16226, Page 207 and now held by the plaintiff by assignment has filed with said court a complaint for authority to foreclose said mortgage in the manner following: by entry and possession and exercise of power of sale.

If you are entitled to the benefits of the Servicemembers Civil Relief Act as amended and you object to such foreclosure you or your attorney should file a written appearance and answer in said court at Boston on or before the 7th day of September 2009 or you may be forever barred from claiming that such foreclosure is invalid under said act.

Witness, KARYN F. SCHEIER, Chief Justice of said Court on the 21st day of July 2009  
Attest:  
DEBORAH J. PATTERSON  
RECORDER  
200902-0519-ORE  
(August 12)

THE COMMONWEALTH OF MASSACHUSETTS  
LAND COURT  
DEPARTMENT OF THE TRIAL COURT  
(SEAL)  
Case No. 394970

To: Steven C. Mathieu; Sharon E. Mathieu; and to all persons entitled to the benefit of the Servicemembers Civil Relief Act, HSBC Bank USA, National Association, as Trustee for Nomura Asset Acceptance Corporation Mortgage Pass Through Certificates, Series 2004-AP3

claiming to be the holder of a Mortgage covering real property in Springfield, numbered 123 Fort Pleasant Avenue given by Steven C. Mathieu and Sharon E. Mathieu to Mortgage Electronic Registration Systems, Inc., dated June 25, 2004, and recorded with the Hampden County Registry of Deeds at Book 14307, Page 137 and now held by the plaintiff by assignment has filed with said court a complaint for authority to fore-

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6:00 6:30 7:00 7:30 8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30

close said mortgage in the manner following: by entry and possession and exercise of power of sale. If you are entitled to the benefits of the Servicemembers Civil Relief Act as amended and you object to such foreclosure you or your attorney should file a written appearance and answer in said court at Boston on or before the 7th day of September 2009 or you may be forever barred from claiming that such foreclosure is invalid under said act.

Witness, KARYN F. SCHEIER, Chief Justice of said Court on the 21st day of July 2009  
Attest:  
DEBORAH J. PATTERSON  
RECORDER  
200902-1704-YEL  
(August 12)

THE COMMONWEALTH OF MASSACHUSETTS  
HIGHWAY DEPARTMENT  
NOTICE OF A PUBLIC HEARING  
Project File No. 604653

A Design Public Hearing will be held by MassHighway to discuss the proposed Reconstruction of East Street project in Southamptn, MA.

WHERE: William E. Norris Elementary School Auditorium  
34 Pomeroy Meadow Road  
Southampton, MA 01073  
WHEN: Wednesday, August 26, 2009  
PURPOSE: The purpose of this hearing is to provide the public with the opportunity to become fully acquainted with the proposed East Street Reconstruction project. All views and comments made at the hearing will be reviewed and considered to the maximum extent possible.

PROPOSED: The proposed project consists of the implementation of infrastructure and safety improvements to East Street, from College Highway (Route 10) to County Road at the Holyoke Town Line, a distance of 2.5 miles. The improvements include rehabilitation of the existing pavement, addressing isolated geometry and drainage deficiencies, constructing new sidewalks, supplementing the existing closed drainage system and performing culvert rehabilitation.

A secure right-of-way is necessary for this project. Acquisitions of fee and permanent or temporary easements may be required. The Town of Southampton is responsible for acquiring all needed rights in private or public lands. MassHighway's policy concerning land acquisitions will be discussed at this hearing.

Written views received by MassHighway subsequent to the date of this notice and up to five (5) days prior to the date of the hearing shall be displayed for public inspection and copying at the time and date listed above. Plans will be on display one-half hour before the hearing begins with an engineer in attendance to answer questions regarding this project. A project handout will be made available on the MassHighway website listed below.

Written statements and other exhibits in place of, or in addition to, oral statements made at the Public Hearing regarding the proposed undertaking

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6:00 6:30 7:00 7:30 8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30

are to be submitted to Frank A. Tramontozzi, P.E., Chief Engineer, Massachusetts Highway Department, 10 Park Plaza, Boston, MA 02116. Such submissions will also be accepted at the hearing. Mailed statements and exhibits intended for inclusion in the public hearing transcript must be postmarked within ten (10) business days of this Public Hearing.

The community has declared that this facility is accessible to all in compliance with the ADA / Title II. However, persons in need of ADA / Title II accommodations should contact Angela Rudloff by phone at (617) 973-7005 or email [angela.rudloff@dot.state.ma.us](mailto:angela.rudloff@dot.state.ma.us). Requests must be made at least 10 days prior to the date of the public hearing.

In case of inclement weather, hearing cancellation announcements will be posted on the MassHighway website <http://www.mass.gov/mh>

LISA PAIEWONSKY  
COMMISSIONER  
FRANK A. TRAMONTOZZI,  
P.E., CHIEF ENGINEER  
Boston, Massachusetts  
(August 12, 19)

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The Republican.

	8/12/09	6:00	6:30	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30
3	WFSB News	CBS News Inside	Entertain	Christine	Gary	Criminal Minds	CSI: NY 'Prey'	News	Late Show				
4	WBZ News	CBS News Insider	Entertain	Christine	Gary	Criminal Minds	CSI: NY 'Prey'	News	Late Show				
5	WCVB News	ABC News Inside	Chronicle	Be a Millionaire	Wipeout (N)	America's Got Talent	Primetime: Crime (N)	News	Nightline				
7	WHDH News	NBC News Hollywood	Extra (N)	30 Funniest Phrases	Wipeout (N)	America's Got Talent	Primetime: Crime (N)	News	Tonight				
8	WTNH News	ABC News Jeopardy!	Fortune	Be a Millionaire	Wipeout (N)	America's Got Talent	Primetime: Crime (N)	News	Nightline				





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC101

RELEASE LOG FORM

Release Tracking Number

1 - 15718

A. THIS FORM IS BEING USED TO: (check one)

1. Log Date: 6/15/2009 (mm/dd/yyyy) Log Time: 10:15 (hh:mm) ☒ AM ☐ PM
- ☐ 2. Assign a Release Tracking Number (RTN) to a Release or TOR Report.  
☐ a. Reportable Release or TOR. ☐ b. Release that is Less Than the Reporting Thresholds.
- ☒ 3. Amend a Previously Recorded Release or TOR Report (RTN Assigned).  
☒ a. The Release is a Reportable Release or TOR. ☐ b. The Release is a Release that is Less Than the Reporting Thresholds.  
☐ c. The Release or TOR is Retracted. (BWSC103 must be submitted, as well). ☐ d. The Release or TOR is not a Release under M.G.L. c. 21E.

B. REPORTING PERSON:

1. Name of Organization: CEA ENVIRONMENTAL
2. First Name: SCOTT 3. Last Name: VANDERSEA
4. Telephone: 5088358822 5. Ext.:
6. Relationship of Person to Release: ☐ a. PRP ☒ b. Other c. Type, if known (e.g. Current Owner) Consultant for PRP Not an LSP

C. RELEASE OR THREAT OF RELEASE (TOR)/SITE LOCATION:

1. Location Aid/Site Name: NO LOCATION AID
2. Street Address: 88-90 MAPLE ST 3. 2nd Address Line:
4. City/Town: WESTFIELD, WESTFIELD 5. ZIP Code (if known):
6. Type of Location: (check all that apply) ☐ a. School ☐ b. Water Body ☐ c. Right of Way ☐ d. Utility Easement  
☐ e. Roadway ☐ f. Municipal ☐ g. State ☐ h. Residential ☐ i. Open Space ☐ j. Private Property  
☐ k. Industrial ☒ l. Commercial ☐ m. Federal ☐ n. Other Describe:

D. RELEASE OR TOR INFORMATION:

1. Date and Time of Notification: 4/15/2005 (mm/dd/yyyy) Time:  (hh:mm) ☐ AM ☐ PM
2. Date and Time Reporting Person obtained Knowledge of Release or TOR: 4/15/2005 (mm/dd/yyyy) Time: 09:40 (hh:mm) ☒ AM ☐ PM
3. Date and Time Release or TOR occurred, if known: 4/15/2005 (mm/dd/yyyy) Time: 09:39 (hh:mm) ☒ AM ☐ PM
4. Sources of the Release or TOR: (check all that apply) ☐ a. Transformer ☐ b. Fuel Tank ☐ c. Pipe  
☐ d. Above-ground Storage Tank (AST) ☐ e. Drums ☐ f. Tanker Truck ☐ g. Hose ☐ h. Line  
☐ i. Under-ground Storage Tank (UST) ☐ j. Vehicle ☐ k. Boat/Vessel ☒ l. Unknown  
☐ m. Other Specify:
5. Federal LUST Eligible: ☐ a. Yes ☒ b. No ☐ c. Unknown d. DFS UST/AST Tank ID Number:



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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Check all Notification Thresholds that apply to the Release or TOR:

6. 2 Hour Reporting Conditions:

- ☐ a. Sudden Release  
☐ b. Threat of Sudden Release  
☐ c. Oil Sheen on Surface Water  
☐ d. Poses Imminent Hazard  
☒ e. Could Pose Imminent Hazard  
☐ f. Release Detected in Private Well  
☐ g. Release to Storm Drain  
☐ h. Sanitary Sewer Release (Imminent Hazard Only)

7. 72 Hour Reporting Conditions:

- ☐ a. Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/2 Inch  
☐ b. Underground Storage Tank (UST) Release  
☐ c. Threat of UST Release  
☐ d. Release to Groundwater near Water Supply  
☐ e. Release to Groundwater near School or Residence  
☐ f. Substantial Release Migration

8. 120 Day Reporting Conditions:

- ☐ a. Release of Hazardous Material(s) to Soil or Groundwater Exceeding Reportable Concentration(s)  
☐ b. Release of Oil to Soil Exceeding Reportable Concentration(s) and Affecting More than 2 Cubic Yards  
☐ c. Release of Oil to Groundwater Exceeding Reportable Concentration(s)  
☐ d. Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/8 Inch and Less than 1/2 Inch

9. Type of Release or TOR: (check all that apply)

- ☐ a. Dumping ☐ b. Fire ☐ c. Tank Removal ☐ d. Overfill  
☐ e. Rupture ☐ f. Vehicle Accident ☐ g. Leak ☐ h. Spill ☐ i. Test Failure ☒ j. Unknown  
☐ k. Threat of Release Only ☐ l. Other Specify: \_\_\_\_\_

10. Media Impacted and Receptors Affected: (check all that apply)

- ☐ a. Paved Surface ☐ b. Basement ☐ c. School  
☐ d. Public Water Supply ☐ e. Surface Water ☐ f. Zone 2 ☐ g. Private Well ☐ h. Residence ☒ i. Soil  
☐ j. Groundwater ☐ k. Sediments ☐ l. Wetland ☐ m. Storm Drain ☐ n. Indoor Air ☐ o. Air  
☐ p. Critical Exposure Pathway ☐ q. Unknown ☐ r. Others Specify: \_\_\_\_\_

11. List below the Oils (O) or Hazardous Materials (HM) that exceed their Reportable Concentration (RC) or Reportable Quantity (RQ) by the greatest amount.

O or HM Released	CAS Number, if known	O or HM	Amount or Concentration	Units	RCs Exceeded, if Applicable
TOTAL PCBs		HM	248	PPM	RCS-1

12. Description of Release or Threat of Release:

PCBS DISCOVERED IN SOIL AT 0-1 FT DEPTH. IRA APPROVAL WAS GIVEN FOR FURTHER ASSESSMENT ONLY. SCOTT OF CEA STATED THAT HE PLANS ON PLACING A BARRIER INSTALLATION, EITHER CAPPING OR FENCING THE AREA, BUT WILL NOTIFY BEFORE PERFORMING EITHER ACTION. SCOTT IS AWARE THAT HE MUST RETRACT THE PREVIOUSLY SUBMITTED RAO BASED ON THE PCB LEVELS DISCOVERED ON SITE.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC101

RELEASE LOG FORM

Release Tracking Number

1 - 15718

E. INVOLVED PARTIES SUMMARY:

1. PRP Status (check one): ☐ a. PRP Unknown ☐ b. PRP Unwilling or Unable to Perform Response Actions  
☒ c. PRP Performing Response Actions ☐ d. Release is Adequately Regulated by the US Coast Guard

2. If PRP is not Performing Response Actions, who is?

- ☐ a. DEP State Contractor ☐ b. Other Person

3. Contractor: a. Name of Organization:  b. Telephone:   
c. Contact First Name:  d. Last Name:

4. LSP: a. Name:  b. LSP #:   
c. Telephone:

F. PRP OR PERSON PERFORMING RESPONSE ACTIONS:

1. Name of Organization:  SUNOCO, INC. (R & M)
2. Contact First Name:  WILLIAM 3. Last Name:  BROCHU
4. Street:  4 BELLOWS RD, PO BOX 1262 5. Title:  ENVIRONMENTAL ENGINEER
6. City/Town:  WESTBOROUGH 7. State:  MA 8. ZIP Code:  015810000
9. Telephone:  555-555-5555 10. Ext.:  11. FAX:
12. Relationship of Person to Release: ☒ a. PRP ☐ b. Other c. Type (e.g. Current Owner):  PRP Current Owner
- ☐ 13. Check here if this PRP received a field NOR.
- ☐ 14. Check here if an RNF was requested from this PRP.
- ☐ 15. Check here if Provisions of 21E were explained to this PRP.

G. RECORD ORAL RESPONSE ACTIVITIES:

- ☐ 1. IRA Completed Pre-notification ☐ 4. IRA Oral Plan Denied and/or Request for Written Plan
- ☒ 2. IRA Assessment Only ☐ 5. IRA Oral Modified Plan Approved
- ☐ 3. IRA Oral Plan Approved ☐ 6. Notice of Intent to Conduct a URAM
7. Date of Action:  6/15/2009
8. Soil Previously Excavated: ☐ a. Excavated prior to notification. ☐ b. Excavated as part of an UST closure.  
c. Quantity of contaminated soil previously excavated and destination, if applicable:

9. Specify any Regional Specific Code (Regional Use):



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC101

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15718

H. ORAL RESPONSE ACTION PLAN: (check all that apply)

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> 1. Assessment and/or Monitoring Only     | <input type="checkbox"/> 2. Temporary Covers or Caps                        |
| <input type="checkbox"/> 3. Deployment of Absorbent or Containment Materials | <input type="checkbox"/> 4. Temporary Water Supplies                        |
| <input type="checkbox"/> 5. Structure Venting System                         | <input type="checkbox"/> 6. Temporary Evacuation or Relocation of Residents |
| <input type="checkbox"/> 7. Product or NAPL Recovery                         | <input type="checkbox"/> 8. Fencing and Sign Posting                        |
| <input type="checkbox"/> 9. Groundwater Treatment Systems                    | <input type="checkbox"/> 10. Soil Vapor Extraction                          |
| <input type="checkbox"/> 11. Bioremediation                                  | <input type="checkbox"/> 12. Air Sparging                                   |

☐ 13. Excavation of Contaminated Soils

☐ a. Re-use, Recycling  
or Treatment

☐ i. On Site

☐ ii. Off Site

Authorized volume in cubic yards: \_\_\_\_\_

☐ b. Store

☐ i. On Site

☐ ii. Off Site

Authorized volume in cubic yards: \_\_\_\_\_

☐ c. Landfill

☐ i. Cover

☐ ii. Disposal

Authorized volume in cubic yards: \_\_\_\_\_

☐ 14. Removal of Drums, Tanks or Containers:

Describe Quantity and Amount: \_\_\_\_\_

☐ 15. Removal of Other Contaminated Media:

Specify Type and Volume: \_\_\_\_\_

☐ 16. Other Response Actions and Additional Comments (describe):

I. DEP STAFF AND FORM PREPARER:

1. DEP Staff: a. Name: **BRUCE DERRICK**

☐ b. Check here, if Unassigned  
(or staff name not applicable).

2. Preparer Signature: **Derrick Bruce**

3. Date: **06/18/2009**





COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WESTERN REGIONAL OFFICE

436 Dwight Street • Springfield, Massachusetts 01103 • (413) 784-1100

DEVAL L. PATRICK  
Governor

TIMOTHY P. MURRAY  
Lieutenant Governor

IAN A. BOWLES  
Secretary

LAURIE BURT  
Commissioner

May 1, 2009

Sunoco, Inc. (R & M)  
Mr. William Brochu, Environmental Engineer  
4 Bellows Road  
P.O. Box 1262  
Westborough, MA 01581

Re: **NOTICE OF AUDIT FINDINGS AND  
NOTICE OF NONCOMPLIANCE**  
Westfield  
88 - 90 South Maple Street  
RTN 1-15718  
**NON-WE-09-3A035**

Dear Mr. Brochu:

On March 17, 2009, Sunoco, Inc. (R & M) (hereafter referred to as you/your) was notified that the Massachusetts Department of Environmental Protection (the Department, MassDEP) had begun a comprehensive audit of response actions conducted to address the release of oil and/or hazardous material at the location identified above. This Notice informs you of the results of the Department's audit.

### **VIOLATIONS IDENTIFIED**

The Department has determined that response actions were not performed in compliance with the requirements of the Massachusetts Contingency Plan (MCP). The enclosed Notice of Audit Findings and Notice of Noncompliance lists the violation(s) and those action(s) that are required to achieve compliance. Specifically, the Notice of Audit Findings and Notice of Noncompliance contains: (1) the requirement violated, (2) the date and place that the Department asserts the requirement was violated, (3) either the specific actions which must be taken in order to return to compliance or direction to submit a written proposal describing how and when you plan to return to compliance and (4) the deadline for taking such actions or submitting such a proposal.

**LICENSED SITE PROFESSIONAL (LSP)**

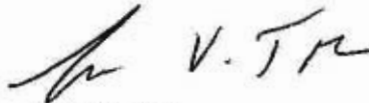
A copy of this Notice has been sent to Scott VanderSea, the current LSP-of-Record for the disposal site. However, you, not your LSP, are responsible for responding to this Notice of Noncompliance and correcting the violations identified therein.

**LIMITATIONS**

The Department's findings were based on the certainty of the information reviewed during the audit. These findings do not: (1) apply to actions or other aspects of the site that were not reviewed in the audit, (2) preclude future audits of past, current, or future actions at the site, (3) in any way constitute a release from any liability, obligation, action or penalty under M.G.L. c. 21E, 310 CMR 40.0000, or any other law, regulation, or requirement, or (4) limit the Department's authority to take or arrange, or to require any Responsible Party or Potentially Responsible Party to perform, any response action authorized by M.G.L. c. 21E which the Department deems necessary to protect health, safety, public welfare, or the environment.

If you have any questions regarding this Notice, please contact Rebecca Woolley at 413-755-2263. Please reference Release Tracking Number 1-15718 and Enforcement Tracking Number NON-WE-09-3A035 in any future correspondence to the Department regarding the site.

Sincerely,



Eva V. Tor  
Deputy Regional Director  
Bureau of Waste Site Cleanup

Certified Mail # 7007 0710 0003 2182 6435, Return Receipt Requested

Enc.: Notice of Audit Findings and Notice of Noncompliance

cc: Westfield Chief Municipal Officer  
Westfield Health Department  
Scott VanderSea, LSP-of-Record, CEA  
Denise Andler, DEP WERO  
Data Entry: RAO/ACTAUD; AUDCOM/NAFNON; FLDRAN 04/08/2009

**NOTICE OF AUDIT FINDINGS AND**  
**NOTICE OF NONCOMPLIANCE**

NON-WE-09-3A035  
RTN 1-15718

**THIS IS AN IMPORTANT LEGAL NOTICE.**  
**FAILURE TO RESPOND COULD RESULT IN SERIOUS LEGAL CONSEQUENCES.**

---

**NAME OF ENTITY IN NONCOMPLIANCE:**

Sunoco, Inc. (R&M)  
1735 Market Street  
Philadelphia, PA 19103

**LOCATION WHERE NONCOMPLIANCE OCCURRED OR WAS OBSERVED:**

88 – 90 South Maple Street, Westfield

**DATES WHEN NONCOMPLIANCE OCCURRED OR WAS OBSERVED:**

April 7, 2008 – Date the Department received the Class A-3 Response Action Outcome (RAO) Statement.

March 6, 2008 – Date the Activity and Use Limitation was recorded at the Hampden County Registry of Deeds.

**DESCRIPTION OF REQUIREMENT(S) NOT COMPLIED WITH:**

**1. 310 CMR 40.1004(a)&(c) (Class II)**

A Response Action Outcome must be supported by assessments and evaluations that are of sufficient scope, detail, and level of effort to characterize the risks posed by the disposal site, and are commensurate with the nature and extent of the release and complexity of site conditions.

**310 CMR 40.0925(1) (Class II)**

For each identified receptor at each exposure point, the documentation of the risk characterization must identify and describe all probable exposure pathways, based upon the media contaminated and the site activities and uses.

Page 15 of the RAO report identifies the source of the gasoline as being the pump dispenser(s) and piping located on the northern portion of the site. Section 5.3 of the RAO report opines that based on the concentrations and the location of the volatile petroleum hydrocarbon impacts to soil and groundwater at the site, no indoor air impacts due to oil and/or hazardous materials in soils or groundwater are likely. To the contrary, the laboratory analytical data generated from soil sample R-7 detected concentrations of C5 – C8 aliphatic

hydrocarbons and C9 – C10 aromatic hydrocarbons at greater than S-1/GW-2 standards. Therefore, the opinion that the indoor air pathway was incomplete was not supported by site data.

The conceptual site model (CSM) presented in Section 9.0 of the RAO report states that the source of polychlorinated biphenyls (PCBs) in soil is “unknown but likely due to spills and/or releases from the building.” However, soil sampling was inconsistent with the CSM. Soil sampling performed at the site excluded sampling of the 0 to 2 feet below grade (fbg) interval, and PCBs were detected in soil at the site at depths up to 14 fbg, which suggests a release from other than a surface source. Given the presence of PCBs in subsurface soil and previous ownership of the site by paper mills, the possibility that the source of PCBs may be attributable to historic fill must also be considered. In addition, the horizontal and vertical extent of PCBs in soil has not been adequately assessed. The Department also notes that the Phase II Scope of Work proposed the collection of surface water and sediment samples of the Little River for PCB analysis; however, no surface water or sediment samples were collected and an explanation for the omission of these samples was not provided.

2. **310 CMR 40.1074(2)(a)5 (Class II)** – The Notice of AUL must include a sketch plan showing the location of the AUL area in relation to the boundaries of the disposal site.

The sketch plan provided in Exhibit B of the Notice of Activity and Use Limitation does not identify the boundaries of the disposal site. To illustrate the relationship, both the disposal site and the AUL area must be labeled on the sketch plan.

3. **310 CMR 40.1074(2)(c) (Class II)** – If the person signing the Notice of AUL is not an individual signing on his/her own behalf, but rather on behalf of an entity (LLC, LLP, limited partnership, etc.) or as trustee, executor, or attorney in fact, documentation of the person's signatory authority must be attached as an exhibit to the Notice of AUL.

The appropriate documentation establishing the authority of the person signing the AUL is not attached as an exhibit to the Notice of AUL. For a corporation, the documentation must include a Clerk's Certificate of Incumbency, identifying the office held by the person signing as of the date of the Notice. And, unless the person signing holds the office of both president or vice president and treasurer or assistant treasurer, a Clerk's Certificate from the clerk or the secretary documenting a vote, resolution or by-law authorizing the person to sign is also required.

4. **Violation of 310 CMR 40.1074(4)(b) (Class III)** – Within 30 days of recording the Notice of AUL, a Registry copy of the survey plan(s) referenced in the Notice of AUL, bearing the plan book and plan number(s), must be submitted to the Department.

The Department did not receive any copy of the required survey plan.



**ACTION(S) TO BE TAKEN AND DEADLINE(S) FOR TAKING SUCH ACTION(S):**

1. Submit a revised risk characterization and RAO Statement that meet the requirements of the MCP, **or** an RAO retraction accompanied by a Tier Classification Submittal in accordance with 310 CMR 40.0510, and, if applicable, a Tier I Permit application package pursuant to 310 CMR 40.0700.
2. If submitting a revised RAO Statement, file a Confirmatory AUL in accordance with 310 CMR 40.1085(4) and 310 CMR 40.1090. If an RAO retraction is submitted, file a Termination of AUL in accordance with 310 CMR 40.1083(1)(e).
3. Complete the actions specified above, and submit a Post-Audit Completion Statement in accordance with 310 CMR 40.1170 on the form established by the Department (BWSC-111), within **120 days** of the date of this Notice. **Please note that as of January 1, 2009**, all submittals for this release that require an LSP Opinion, including Form BWSC-111, must be submitted through e-DEP, MassDEP's electronic document and form submittal repository. For more information on electronic submittal of forms and reports, please visit MassDEP's website, [www.mass.gov/dep/service/compliance/edeponlf.htm](http://www.mass.gov/dep/service/compliance/edeponlf.htm).

If the required actions are not completed by the deadlines specified, an administrative penalty may be assessed for every day after the date of this Notice that the noncompliance occurs or continues. The Department reserves its rights to exercise the full extent of its legal authority in order to obtain full compliance with all applicable requirements, including, but not limited to, criminal prosecution, civil action including court-imposed civil penalties, or administrative action, including administrative penalties imposed by the Department.

For the Department of Environmental Protection:

Date: 5/1/09

By: 

Eva V. Tor  
Deputy Regional Director  
Bureau of Waste Site Cleanup

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Sunoco Inc (R & M)  
Mr. William Brochu  
4 Bellows Road  
PO Box 1262  
Westborough, MA 01581

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

*[Handwritten Signature]*

☐ Agent

☒ Addressee

B. Received by (Print Name)

*William Brochu*

C. Date of Delivery

*5/5/09*

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☐ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

7007 0710 0003 2182 6435 BWSC-Westfield-#1-15718 RLW

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05 MAY 2000 PM 2 F

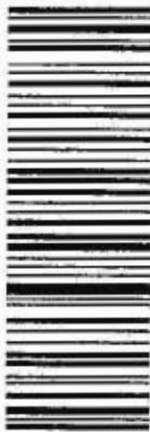
First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

MassDEP  
436 Western Regional Office  
Dwight Street, Suite 500  
Springfield, MA 01103

AFTER 8 DAYS RETURN TO  
THE COMMONWEALTH OF MASSACHUSETTS  
DEPT. OF ENVIRONMENTAL PROTECTION  
WESTERN REGION  
436 DWIGHT STREET - 5TH FLOOR  
SPRINGFIELD, MASSACHUSETTS 01103

7007 0710 0003 2182 6435



PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT  
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE  
**CERTIFIED MAIL™**

Sunoco, Inc. (R & M)  
Mr. William Brochu, Environmental Engineer  
4 Bellows Road  
PO Box 1262  
Westborough, MA 01581



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Total Postage & Fees	\$

Sent To: Sunoco Inc  
Street, Apt. No., or PO Box No.: Mr. William Brochu  
City, State, ZIP+4: 4 Bellows Road  
PO Box 1262

PS Form 3800, August 2008 See Reverse for Instructions

5E49 28T2 E000 0TLD 2002



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Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Sent To: Sunoco Inc  
Street, Apt. No., or PO Box No.: Mr. William Brochu  
City, State, ZIP+4: 4 Bellows Road  
PO Box 1262

PS Form 3800, August 2008 See Reverse for Instructions

5E49 28T2 E000 0TLD 2002





## Woolley, Rebecca (DEP)

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**From:** Woolley, Rebecca (DEP)  
**Sent:** Friday, May 01, 2009 3:47 PM  
**To:** 'svandersea@cea-inc.com'; 'mayor@cityofwestfield.org'; 'd.reardon@cityofwestfield.org'  
**Cc:** Andler, Denise (DEP)  
**Subject:** Notice of Audit Findings for RTN 1-15718, Sunoco, 88-90 South Maple St, Westfield

**Attachments:** 1-0015718.pdf

In an effort to reduce postage and paper costs, DEP WERO employees have been asked to provide "carbon copies" by e-mail whenever possible. Consequently, I am sending you the attached letter electronically. In accordance with DEP WERO guidance regarding electronic cc's, the document is protected to prevent editing. However, you should be able to view and print the letter. You will not receive a hard copy of this document by mail. Please retain a copy of the attached file with any records you may have regarding this matter. If you have any questions, or if you have difficulty opening this attachment, please contact me at the number listed below or reply by e-mail.



1-0015718.pdf (65 KB)

Sincerely,

***Rebecca L. Woolley, LSP***

BWSC - Audits/Site Management  
MassDEP, 436 Dwight Street  
Springfield, MA 01103  
Rebecca.Woolley@state.ma.us  
Tel: 413-755-2263  
Fax: 413-784-1189

## File Review Memorandum

1-16079 Daughter RTN

To: Site file, RTN 1-15718, Sunoco Station, 88 - 90 South Maple Street, Westfield  
Through: John Ziegler, Section Chief, BWSC-ASM 52  
From: Rebecca Woolley, BWSC-ASM  
Date: April 27, 2009  
Re: Comprehensive Audit

---

### Site Description and History

The subject property is occupied by a retail gasoline dispensing facility, convenience store, and car wash. The two current buildings located on the site are concrete structures, which were constructed on-site in 1984 and 1988. The property was developed as a gasoline station circa 1948. However, some of the parcels which now make up the site were historically owned by Stephen Paper Mills, Inc. The site is located in a commercial and residential area. Residential properties abut the site to the east and across South Maple Street to the north and northeast. A wooded area and the Little River abut the site to the west and southwest.

There are no potable wells known to be located within 500 feet of the site and the property is connected to public water and sewer. The site is not located within a Zone II or an Interim Wellhead Protection Area. Groundwater at the site is categorized as GW-2 and GW-3 and groundwater flow is southwesterly towards the adjacent Little River. The depth to groundwater at the site ranges between 10 and 13 feet below grade (fbg). Soils at the site consist of fine to medium sand to approximately 7 fbg, underlain by medium to coarse sand to 19 fbg. A silty/clay layer was reported in one boring at approximately 20 fbg.

### Response Action Summary

A failed tightness test of the product piping associated with the regular unleaded gasoline UST at the site occurred on April 12, 2005, which triggered a 72-hour Threat of Release reporting condition. Following notification on April 15, 2005, the Department issued RTN 1-15718 and authorized the repair of the piping, excavation of up to 100 cubic yards of impacted soils, and assessment activities to be conducted under an IRA. Approximately 5 cubic yards of impacted soils were excavated and disposed under a BOL associated with the April 2005 piping repairs. Polychlorinated biphenyls (PCBs) were identified in site soils at concentrations below reportable concentrations (RCs) as a result of soil disposal analytical testing. Assessment and disposal analyses of soils excavated in November 2005 detected PCBs at concentrations greater than RCS-1 on December 8, 2005. A 120-day condition associated with the PCBs was reported to the Department on February 13, 2006, and RTN 1-16709 was assigned.

An IRA Completion Report was received by the Department on February 19, 2006. A Phase I Initial Site Investigation Report, Numerical Ranking Scoresheet, Tier Classification, and a Conceptual Phase II Scope of Work for RTN 1-15718 were received by the Department on April 26, 2006. As part of the Phase I assessment three rounds of groundwater monitoring were conducted and groundwater was analyzed for VPH, EPH, VOC, and RCRA 8 Metals. Following the submittal of the Phase I Report, RTN 1-16709 was linked to RTN 1-15718 on February 12, 2007.

A Class A-3 RAO Statement and Notice of AUL were received by the Department on April 7, 2008. Section 9.1.1 of the RAO Report identifies the source of the gasoline as being the pump dispenser(s) and piping located on the northern portion of the site. Section 5.3 of the RAO report opines that based on the concentrations and the locations of the volatile petroleum hydrocarbon impacts to soil and groundwater at the site, no indoor air impacts due to oil and/or hazardous materials in soil or groundwater are likely. However, laboratory analytical data generated from soil sample R-7 detected concentrations of C5 – C8 aliphatic hydrocarbons and C9 – C10 aromatic hydrocarbons at greater than S-1/GW-2 standards. Therefore, the opinion that the indoor air pathway was incomplete was not supported by site data. Furthermore, because the indoor air pathway was deemed incomplete, the risk of human exposure was not evaluated.

The conceptual site model (CSM) presented in Section 9.0 of the RAO report states that the source of polychlorinated biphenyls (PCBs) in soil is “unknown but likely due to spills and/or releases from the building.” However, soil sampling was inconsistent with the CSM. Soil sampling performed at the site excluded sampling of the 0 to 2 feet below grade (fbg) interval, and PCBs were detected in soil at the site at depths up to 14 fbg, which suggests a release from other than a surface source. Given the presence of PCBs in subsurface soil and previous ownership of the site by paper mills, the possibility that the source of PCBs may be attributable to historic fill must also be considered. In addition, the horizontal and vertical extent of PCBs in soil has not been adequately assessed. The Department also notes that the Phase II Scope of Work proposed the collection of surface water and sediment samples of the Little River for PCB analysis; however, no surface water or sediment samples were collected and an explanation for the omission of these samples was not provided.

Due to the presence of the Little River located adjacent to and immediately downgradient of the site, a Method 2 Hydrodynamic Dispersion Model, for petroleum constituents only, was performed as a conservative measure, as Method 1 GW-3 standards were not exceeded at the site. The Method 2 Hydrodynamic Dispersion Model concluded that based upon maximum groundwater exposure point concentrations (EPCs), surface water was not impacted by volatile petroleum hydrocarbons at concentrations greater than Department surface water quality guidelines or calculated Method 2 GW-3 standards.

The Risk Characterization concluded that a Notice of AUL was required in order to achieve a level of No Significant Risk due to concentrations of PCBs remaining in site soils. As part of the comprehensive audit, a legal screen of the Notice of AUL was performed and deficiencies were identified which require the filing of corrective documents.

### **Site Inspection**

The Notice of Audit and Request for Information (RFI) was issued by the Department to Sunoco, Inc. (R&M) on March 17, 2009. The audit inspection was conducted on April 8, 2009, and was attended by Scott VanderSea of Corporate Environmental Advisors (CEA). Activities conducted included a visual survey of the site and surrounding area, a discussion of the response actions previously conducted to assess the release, and a discussion of preliminary audit findings. Site conditions were observed to be generally consistent with the information contained in the Department's file. A written response to the RFI was provided to the Department at the site inspection on April 8, 2009. The RFI response provided the requested copies of missing analytical data, a Bill of Lading and supporting documentation, and addressed the questions associated with the Method 2 Hydrodynamic Dispersion model. The RFI response adequately addressed the questions posed.



Sunoco Westfield, 88 – 90 South Maple Street, Westfield  
Comprehensive Audit Inspection Photos 4-8-09



Photo 1: Northern view of a portion of Sunoco Westfield.  
South Maple Street visible in the background.



Photo 2: Sunoco Westfield car wash building and vacuum dispensers.





Photo 3: Northern view of Sunoco Westfield photographed from the bank of the Little River.



Photo 4: The Little River adjacent to and downgradient of Sunoco Westfield.



Consultants , Engineers , Contractors

*Via Hand Delivery &  
USPS Delivery Confirmation*

April 7, 2009

Ms. Rebecca L. Woolley, LSP  
BWSC - Audits/Site Management  
MassDEP, 436 Dwight Street  
Springfield, MA 01103



**Re: Response to Request for Information (RFI)**  
**Sunoco Station**  
**88-90 South Maple Street**  
**Westfield, MA (DUNS 0374-5593)**  
**RTN 1-15718 & 1-16079**

Dear Ms. Woolley:

On behalf of Sunoco, Inc. (R&M), Corporate Environmental Advisors, Inc. (CEA) presents this Response to the *Request for Information* issued by the Massachusetts Department of Environmental Protection (MassDEP) to Sunoco on March 17, 2009. Sunoco received the request on March 19, 2009. A response to each inquiry is presented below.

### **Response to Request for Information**

**Question # 1** *Provide Bill of Lading (BOL) Documentation for January 9, 2006 Disposal at ESMI*

The BOL documentation for the disposal of approximately 10 cubic yards of stockpiled soils at ESMI on January 9, 2006 is attached. It is noted that ESMI acknowledged receipt of the soil by signing section L of the BWSC-012C form, but section M is unsigned.

**Question # 2** *Provide Analytical Reports for March 28 and June 25, 2007 Soil Samples and July 12, 2007 Groundwater Samples*

The subject laboratory analytical reports are attached to this RFI response.

**Question # 3** *Provide justification for the selection of groundwater data used in the Method 2 Hydrodynamic Dispersion Model*

The data selected for input into the Method 2 Hydrodynamic Dispersion Model was chosen to represent groundwater quality using a reasonably conservative approach. It was the opinion of CEA that groundwater data collected in March 2006 and prior was not representative of groundwater quality conditions at the time of the March 2008 Response Action Outcome (RAO), being two or more years old.

The exclusion of the more recent July and October 2007 data was based on the fact that no volatile petroleum hydrocarbons (VPH) or target analytes were detected in any of the monitoring wells with the exception of methyl tertiary butyl ether (MTBE) in MW-6 in July 2007. A conservative approach was taken by using the site-wide maximum or calculated exposure point concentrations (EPC) from the groundwater data set collected between August of 2006 and July 2007. A discussion of the site-wide maximum EPCs selection is presented below in the response to Question # 4.

**Question # 4** *Provide clarification regarding the groundwater exposure point concentrations (EPC) used in the Method 2 Hydrodynamic Dispersion Model*

Using the August 2006 – July 2007 groundwater data set, maximum concentrations of C<sub>9</sub>-C<sub>12</sub> aliphatics and C<sub>9</sub>-C<sub>10</sub> aromatics (observed in MW-3B on May 8, 2007) were selected for input into the model. Although the maximum C<sub>5</sub>-C<sub>8</sub> aliphatic concentration for this period was 3,095 micrograms per liter (ug/l), observed in MW-6 on May 8, 2007, two subsequent groundwater sampling events conducted for this monitoring well in July and October 2007 indicated no VPH or target analytes, except MTBE on July 12, 2007, were detected above laboratory reporting limits.

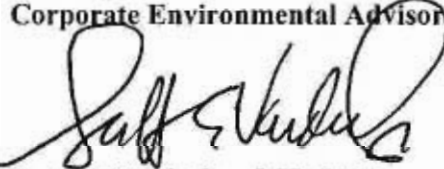
To avoid being overly-conservative, a temporally-averaged C<sub>5</sub>-C<sub>8</sub> aliphatics concentration was calculated using the August 22, 2006, May 8, 2007 and July 12, 2007 groundwater data for MW-6. An identical approach was used for calculating the BTEX, naphthalene and MTBE EPCs which were input into the model. It is noted that none of the concentrations of any VPH or target analytes listed in Table 2A of the RAO report ever exceeded Method 1 Risk Characterization groundwater category GW-3 standards.

**Question # 5** *Please indicate if the property subject to the Notice of AUL is still owned by Sunoco, Inc.*

Yes, Sunoco, Inc. (R&M) remains the current owner of the property subject to the AUL.

I trust that the information provided herein will satisfactorily answer the questions posed by MassDEP in the RFI. Please contact me at 508-835-8822 if you wish to discuss any of this information further.

Sincerely,  
**Corporate Environmental Advisors, Inc.**



Scott E. VanderSea, LSP, LEP  
Principal Hydrogeologist

cc: Mr. William Brochu – Sunoco, Inc. (R&M)





ENVIRONMENTAL SOIL MANAGEMENT, INC.  
Generator Waste Profile

ESMJ Customer: Sunoco, Inc. (R & M)

Customer Address: 4 Bellows Road, P.O. Box 1262 City: Westborough State: MA Zip: 01581

Contact: William Brochu Tel: (978) 422-6531 Fax: ( )

Site Contact: Same Tel/Cel: ( ) Pager: ( )

Site Name: Westfield Sunoco Property Owner's Phone: ( )

Site Address: 88-90 South Maple Street City: Westfield State: MA Zip: 01564

History of Site Use: ☐ Residential ☒ Commercial ☐ Industrial  
If commercial or industrial, please describe history of site: Gasoline Service Station  
(See attached)

Event/process generating waste: ☐ Leaking UST ☐ Leaking AST ☐ Surface Spill ☒ Other (describe): Leaking UST  
Product piping line

Waste Material Description: Soil/media is contaminated with: (check one)

☒ NON-HAZARDOUS, VIRGIN PETROLEUM CONTAMINATED SOIL

☐ #2, #4, or #6 Fuel Oil ☐ Diesel Fuel ☐ Gasoline ☐ Motor oil ☐ Hydraulic Oil ☐ Mixed Fuels (gas/fuel)

☐ NON-HAZARDOUS, NON-VIRGIN PETROLEUM CONTAMINATED SOIL

☐ Used Motor Oil ☐ Waste Oil ☐ Metal Cutting/Cooling Oils ☐ Hydraulic Oil ☐ Urban Fill ☐ Virgin Solvent  
☐ Electric Oil/MODF ☐ Used Solvent ☐ Grease ☐ Wax ☐ Animal/Vegetable Oil

☐ NON-HAZARDOUS, COAL TAR or PCB CONTAMINATED SOIL

☐ Coal Tar ☐ PCB's (<50 ppm that are not a TSCA PCB remediation waste and is a non-hazardous waste.)

Are there any known or suspected releases of contaminants other than those listed above? NO ☒ YES ☐

If YES, Specify \_\_\_\_\_

Approximate Tonnage: 30

Physical Characteristics: %Clay <1 % H<sub>2</sub>O 10 %Debris none Describe Debris \_\_\_\_\_

I hereby certify, to the best of my knowledge, (a) I am a responsible official of the generator, (b) that the sampling protocol, as outlined, has been adhered to, (c) that the information provided in the profile is correct and complete, (d) that the transport, treatment and recycling of the contaminated materials do not violate any laws or regulations of the state of origin.

Signature: [Signature] Date: 12/5/05

Typed/Printed Name: William J. Brochu Company: Sunoco Inc (R & M)

Check One: Owner ☐ Generator ☐ Contractor ☐ Consultant ☐ Other (explain) \_\_\_\_\_

Acceptance of this material is based on review and approval of this profile and required analytical results

67 International Drive, Loudon, NH 03307 □ (603)783-0228 □ Fax(603)783-0104





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1 15718

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

Release Name (optional): Westfield Sunoco

Street: 88-90 South Maple Street

Location Aid: \_\_\_\_\_

City/Town: Westfield

ZIP Code: 01564

Date/Period of Generation: 11/15/2005 to: 11/18/2005

Additional Release Tracking Numbers Associated with this Bill of Lading: \_\_\_\_\_

\* Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.

B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

Name of Organization: Sunoco Inc. (R & M)

Name of Contact: William J. Brochu

Title: Environmental Manager

Street: 4 Bellows Rd PO Box 1262

City/Town: Westborough

State: MA

ZIP Code: 01581

Telephone: (978) 422-6531

Ext.: \_\_\_\_\_

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

☒ RP or PRP Specify: ☒ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP: \_\_\_\_\_

☐ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ Other Person: \_\_\_\_\_

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Common Carrier Name: Corporate Environmental Advisors, Inc.

Contact Person: Mark Noack

Title: \_\_\_\_\_

Street: 127 Hartwell Street

City/Town: West Boylston

State: MA

ZIP Code: 01583

Telephone: (508) 835-8822

Ext.: \_\_\_\_\_

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

Operator/Facility Name: Environmental Soil Management, Inc

Contact Person: Mike Phelps/Steve Raper

Title: \_\_\_\_\_

Street: 67 International Drive

City/Town: Loudon

State: NH

ZIP Code: 03307-0000

Telephone: (603) 783-0228

Ext.: \_\_\_\_\_

Type of Facility:  
(check one)

☐ Asphalt Batch/Cold Mix

☐ Asphalt Batch/Hot Mix

☒ Thermal Processing

☐ Landfill/Disposal

☐ Landfill/Daily Cover

☐ Landfill/Structural Fill

☐ Incinerator

☐ Other: \_\_\_\_\_

☐ Temporary Storage

EPA Identification #: \_\_\_\_\_

Division of Hazardous Waste/Class A Permit #: \_\_\_\_\_

Division of Solid Waste Management Permit #: \_\_\_\_\_

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): \_\_\_\_\_ to: \_\_\_\_\_

Reason for Temporary Storage: \_\_\_\_\_



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1 - 15718

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued):

Temporary Storage Address:

Street: \_\_\_\_\_

City/Town: \_\_\_\_\_ State: \_\_\_\_\_ ZIP Code: \_\_\_\_\_

F. DESCRIPTION OF REMEDIATION WASTE:

(check all that apply)

- ☒ Contaminated Media (check all that apply): ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Other: \_\_\_\_\_
- ☐ Contaminated Debris (check all that apply): ☐ Vegetation or Organic Debris ☐ Demolition/Construction Waste  
☐ Inorganic Absorbent Materials ☐ Other: \_\_\_\_\_
- ☐ Non-hazardous Uncontainerized Waste (check all that apply): ☐ Non-aqueous Phase Liquid ☐ Other: \_\_\_\_\_
- ☐ Non-hazardous Containerized Waste (check all that apply): ☐ Tank Bottoms/Sludges ☐ Containers ☐ Drums  
☐ Engineered Impoundments ☐ Other: \_\_\_\_\_

Type of Contamination (check all that apply): ☒ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil  
☐ Kerosene ☐ Jet Fuel ☐ Other: \_\_\_\_\_

Estimated Volume of Materials: Cubic Yards: 20 Tons: 30 Other: \_\_\_\_\_

Contaminant Source (check one/specify): ☐ Transportation Accident ☐ Underground Storage Tank ☒ Other: UST piping

Response Action Associated with Bill of Lading (check one): ☒ Immediate Response Action ☐ Release Abatement Measure

☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☐ Other: \_\_\_\_\_

Remediation Waste Characterization Support Documentation attached:

☒ Site History Information ☐ Sampling and Analytical Methods and Procedures ☒ 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 DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: Corporate Environmental Advisors

LSP Name: Scott VanderSea Title: Principal Hydrogeologist

Telephone: (508) 835-8822 Ext: 259

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

- (i) the standard of care in 309 CMR 4.02(1),  
(ii) the applicable provisions of 309 CMR 4.02(2) and (3), and  
(iii) the provisions of 309 CMR 4.03(5).

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

LSP Signature: \_\_\_\_\_ Seal: \_\_\_\_\_

Date: 12/7/05

License Number: 3476





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1 - 15718

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

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, the material 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: \_\_\_\_\_

11/21/05

Name of Person (print): \_\_\_\_\_

William J. Brochu

On beh/f of Sunco Inc (RSM)



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

1

15718

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-6-06

Truck/Tractor Registration:

37123

Signature of Transporter Representative:

*[Signature]*

Time of Shipment:

10:00

☒ AM ☐ PM

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

*ESMI/Karen Smith*

Date of Receipt:

1/9/06

Time of Receipt:

9:17

☒ AM ☐ PM

Load Size (cu yds./tons):

15.49

Load 2:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu yds./tons):

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu yds./tons)

Total Carried Forward (cu yds./tons):

Total Carried Forward and This Page (cu yds./tons):







Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

1 15718

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print):

ESMI / Karen Smith

Title: Act Asst

Signature:

*Karen Smith*

Date:

1/09/06

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON  
CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

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, the material information contained in 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 of Person (print): William J. Brochu



Report Date:  
02-Dec-05 17:19

☒ Final Report



SPECTRUM ANALYTICAL, INC.  
Featuring  
HANIBAL TECHNOLOGY

**Laboratory Report**

CEA, Inc.  
127 Hartwell Street  
West Boylston, MA 01583  
Attn: Scott Vandersea

Project: Sunoco Station - Westfield, MA  
Project #: 5795-05

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SA37381-01	Stock Pile-Piping	Soil	17-Nov-05 15:00	17-Nov-05 16:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.

Please note that this report contains 19 pages of analytical data including Chain of Custody document(s).

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Massachusetts Certification # M-MA138/MA1110  
Connecticut # PH-0777  
Florida # E87600/E87936  
Maine # MA138  
New Hampshire # 2538/2972  
New York # 11393/11840  
Rhode Island # 98  
USDA # S-51435  
Vermont # VT-11393



Authorized by:

Hanibal C. Tayeh, Ph.D.  
President/Laboratory Director

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Sample Identification

Stock Pile-Piping

SA37381-01

Client Project #

5795-05

Matrix

Soil

Collection Date/Time

17-Nov-05 15:00

Received

17-Nov-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>										
VOC Extraction		Field extracted	N/A	1	VOC	18-Nov-05	18-Nov-05	5111327	BD	
<u>Volatile Organic Compounds</u>			Prepared by method SW846 5030 Soil (high level)							
67-64-1	Acetone	BRL	1510 µg/kg dry	50	SW 846 8260B	01-Dec-05	01-Dec-05	5120033	um	
107-13-1	Acrylonitrile	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
71-43-2	Benzene	468	75.5 µg/kg dry	50	"	"	"	"	"	
106-96-1	Bromobenzene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
75-25-2	Bromoform	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
74-83-9	Bromomethane	BRL	151 µg/kg dry	50	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	755 µg/kg dry	50	"	"	"	"	"	
104-51-8	n-Butylbenzene	231	75.5 µg/kg dry	50	"	"	"	"	"	
135-98-8	sec-Butylbenzene	122	75.5 µg/kg dry	50	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	378 µg/kg dry	50	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
75-00-3	Chloroethane	BRL	151 µg/kg dry	50	"	"	"	"	"	
67-66-3	Chloroform	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
74-87-3	Chloromethane	BRL	151 µg/kg dry	50	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
105-43-4	4-Chlorotoluene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	151 µg/kg dry	50	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon 12)	BRL	151 µg/kg dry	50	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
394-26-7	2,2-Dichloropropane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
100-41-4	Ethylbenzene	1,570	75.5 µg/kg dry	50	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	755 µg/kg dry	50	"	"	"	"	"	
98-82-8	Isopropylbenzene	188	75.5 µg/kg dry	50	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	

*This laboratory report is not valid without an authorized signature on the cover page*

\* Reportable Detection Limit      BRL = Below Reporting Limit

Page 2 of 19

Sample Identification  
Stock Pile-Piping  
SA37381-01

Client Project #  
5795-05

Matrix  
Soil

Collection Date/Time  
17-Nov-05 15:00

Received  
17-Nov-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Volatile Organic Compounds</b>										
<u>Volatile Organic Compounds</u>			Prepared by method SW846 5030 Soil (high level)							
1634-04-4	Methyl tert-butyl ether	4,910	75.5 µg/kg dry	50	SW 846 8260B	01-Dec-05	01-Dec-05	5120033	tim	2-2
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	755 µg/kg dry	50	"	"	"	"	"	
75-09-2	Methylene chloride	BRL	755 µg/kg dry	50	"	"	"	"	"	
91-20-3	Naphthalene	600	75.5 µg/kg dry	50	"	"	"	"	"	
101-65-1	n-Propylbenzene	728	75.5 µg/kg dry	50	"	"	"	"	"	
100-42-5	Styrene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
79-34-3	1,1,2,2-Tetrachloroethane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
108-88-3	Toluene	5,180	75.5 µg/kg dry	50	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
79-08-5	1,1,2-Trichloroethane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
75-69-1	Trichlorofluoromethane (Freon 11)	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
95-63-0	1,2,4-Trimethylbenzene	3,140	75.5 µg/kg dry	50	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	860	75.5 µg/kg dry	50	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
1310-20-7	m,p-Xylene	5,150	151 µg/kg dry	50	"	"	"	"	"	
95-47-6	o-Xylene	2,090	75.5 µg/kg dry	50	"	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL	755 µg/kg dry	50	"	"	"	"	"	
60-29-7	Ethyl ether	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL	75.5 µg/kg dry	50	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL	755 µg/kg dry	50	"	"	"	"	"	
123-91-1	1,4-Dioxane	BRL	1510 µg/kg dry	50	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
460-00-4	4-Bromofluorobenzene	94.8	70-130 %		"	"	"	"	"	
2037-26-3	Toluene-d8	105	70-130 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	90.6	70-130 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	95.6	70-130 %		"	"	"	"	"	
<u>Volatile Organic Compounds</u>			Prepared by method SW846 5030 Soil (high level) SA37381-01RE1							
1634-04-4	Methyl tert-butyl ether	2,580	73.8 µg/kg dry	50	SW 846 8260B	01-Dec-05	01-Dec-05	5120074	KL	
<u>Surrogate recoveries:</u>										
460-00-4	4-Bromofluorobenzene	101	70-130 %		"	"	"	"	"	
2037-26-3	Toluene-d8	106	70-130 %		"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	95.0	70-130 %		"	"	"	"	"	
1868-53-7	Dibromofluoromethane	95.4	70-130 %		"	"	"	"	"	
<b>Semivolatile Organic Compounds by GC</b>										
<u>Polychlorinated Biphenyls by SW846 8082</u>			Prepared by method SW846 3550B							
12674-11-2	PCB 1016	BRL	30.6 µg/kg dry	1	SW846 8082	21-Nov-05	22-Nov-05	5111380	SM	

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\* Reportable Detection Limit BRL = Below Reporting Limit

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Sample Identification  
Stock Pile-Piping  
SA37381-01

Client Project #  
5795-05

Matrix  
Soil

Collection Date/Time  
17-Nov-05 15:00

Received  
17-Nov-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
<b>Semivolatile Organic Compounds by GC</b>										
<u>Polychlorinated Biphenyls by SW846 8082</u>			Prepared by method SW846 3550B							
11164-28-2	PCB 1221	BRL	30.6 µg/kg dry	1	SW846 8082	21-Nov-05	22-Nov-05	5111380	SM	
11141-16-5	PCB 1232	BRL	30.6 µg/kg dry	1	"	"	"	"	"	
53469-21-9	PCB 1242	BRL	30.6 µg/kg dry	1	"	"	"	"	"	
12672-29-6	PCB 1248	2,310	30.6 µg/kg dry	1	"	"	"	"	"	
11097-69-1	PCB 1254	BRL	30.6 µg/kg dry	1	"	"	"	"	"	
11096-82-5	PCB 1260	BRL	30.6 µg/kg dry	1	"	"	"	"	"	
37324-23-5	PCB 1262	BRL	30.6 µg/kg dry	1	"	"	"	"	"	
11100-14-4	PCB 1268	BRL	30.6 µg/kg dry	1	"	"	"	"	"	
<u>Surrogate recoveries:</u>										
10386-84-2	1,4-DB-Octafluorobiphenyl (Sr)	89.9	30-150 %		"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	120	30-150 %		"	"	"	"	"	
<b>Total Metals by EPA 6000/7000 Series Methods</b>										
7439-97-6	Mercury	BRL	0.201 mg/kg dry	1	SW846 7471A	29-Nov-05	30-Nov-05	5111713	YP	
<b>Total Metals by EPA 200 Series Methods</b>										
7440-22-4	Silver	BRL	1.08 mg/kg dry	1	EPA 200.7	29-Nov-05	29-Nov-05	5111712	HB	
7440-38-2	Arsenic	BRL	1.62 mg/kg dry	1	"	"	"	"	"	
7440-39-3	Barium	37.3	0.539 mg/kg dry	1	"	"	"	"	"	
7440-43-9	Cadmium	BRL	0.270 mg/kg dry	1	"	"	"	"	"	
7440-47-3	Chromium	8.21	0.539 mg/kg dry	1	"	"	"	"	"	
7439-92-1	Lead	8.78	0.809 mg/kg dry	1	"	"	"	"	"	
7782-49-2	Selenium	BRL	1.62 mg/kg dry	1	"	"	"	"	"	
<b>Toxicity Characteristics</b>										
Flashpoint		> 200	*F	1	SW846 1010	23-Nov-05	23-Nov-05	5111612	WG	
pH		8.39	pH Units	1	SW846 9045C	18-Nov-05 13:45	18-Nov-05	5111330	BD	
<u>Reactivity Cyanide/Sulfide</u>			Prepared by method General Preparation							
Reactivity		Negative	mg/kg dry	1	SW846 Ch. 7.3	21-Nov-05	21-Nov-05	5111430	ES	
Reactive Cyanide		BRL	24.6 mg/kg dry	1	"	"	"	"	"	
Reactive Sulfide		BRL	49.2 mg/kg dry	1	"	"	"	"	"	
<b>General Chemistry Parameters</b>										
% Solids		88.5	%	1	SM2540 G Mod	28-Nov-05	28-Nov-05	5111731	BD	

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\* Reportable Detection Limit BRL = Below Reporting Limit

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# Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5120033 - SW846 5030 Soil (high level)									
Blank (5120033-BLK1)			Prepared & Analyzed: 01-Dec-05						
Acetone	BRL	1000 µg/kg wet							
Acrylonitrile	BRL	50.0 µg/kg wet							
Benzene	BRL	50.0 µg/kg wet							
Bromobenzene	BRL	50.0 µg/kg wet							
Bromochloromethane	BRL	50.0 µg/kg wet							
Bromodichloromethane	BRL	50.0 µg/kg wet							
Bromofarm	BRL	50.0 µg/kg wet							
Bromomethane	BRL	100 µg/kg wet							
2-Butanone (MEK)	BRL	500 µg/kg wet							
n-Butylbenzene	BRL	50.0 µg/kg wet							
sec-Butylbenzene	BRL	50.0 µg/kg wet							
tert-Butylbenzene	BRL	50.0 µg/kg wet							
Carbon disulfide	BRL	250 µg/kg wet							
Carbon tetrachloride	BRL	50.0 µg/kg wet							
Chlorobenzene	BRL	50.0 µg/kg wet							
Chloroethane	BRL	100 µg/kg wet							
Chloroform	BRL	50.0 µg/kg wet							
Chloromethane	BRL	100 µg/kg wet							
2-Chlorotoluene	BRL	50.0 µg/kg wet							
4-Chlorotoluene	BRL	50.0 µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	100 µg/kg wet							
Dibromochloromethane	BRL	50.0 µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	50.0 µg/kg wet							
Dibromomethane	BRL	50.0 µg/kg wet							
1,2-Dichlorobenzene	BRL	50.0 µg/kg wet							
1,3-Dichlorobenzene	BRL	50.0 µg/kg wet							
1,4-Dichlorobenzene	BRL	50.0 µg/kg wet							
Dichlorodifluoromethane (Freon 12)	BRL	100 µg/kg wet							
1,1-Dichloroethane	BRL	50.0 µg/kg wet							
1,2-Dichloroethane	BRL	50.0 µg/kg wet							
1,1-Dichloroethene	BRL	50.0 µg/kg wet							
cis-1,2-Dichloroethene	BRL	50.0 µg/kg wet							
trans-1,2-Dichloroethene	BRL	50.0 µg/kg wet							
1,2-Dichloropropane	BRL	50.0 µg/kg wet							
1,3-Dichloropropane	BRL	50.0 µg/kg wet							
2,2-Dichloropropane	BRL	50.0 µg/kg wet							
1,1-Dichloropropene	BRL	50.0 µg/kg wet							
cis-1,3-Dichloropropene	BRL	50.0 µg/kg wet							
trans-1,3-Dichloropropene	BRL	50.0 µg/kg wet							
Ethylbenzene	BRL	50.0 µg/kg wet							
Hexachlorobutadiene	BRL	50.0 µg/kg wet							
2-Hexanone (MBK)	BRL	500 µg/kg wet							
Isopropylbenzene	BRL	50.0 µg/kg wet							
4-Isopropyltoluene	BRL	50.0 µg/kg wet							
Methyl tert-butyl ether	BRL	50.0 µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	500 µg/kg wet							
Methylene chloride	BRL	500 µg/kg wet							
Naphthalene	BRL	50.0 µg/kg wet							
n-Propylbenzene	BRL	50.0 µg/kg wet							
Styrene	BRL	50.0 µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	50.0 µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	50.0 µg/kg wet							
Tetrachloroethene	BRL	50.0 µg/kg wet							
Toluene	BRL	50.0 µg/kg wet							

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\* Reportable Detection Limit      BRL = Below Reporting Limit

Page 5 of 19



# Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5120033 - SW846 5030 Soil (high level)									
Blank (5120033-BLK1)			Prepared & Analyzed: 01-Dec-05						
1,2,3-Trichlorobenzene	BRL	50.0 µg/kg wet							
1,2,4-Trichlorobenzene	BRL	50.0 µg/kg wet							
1,1,1-Trichloroethane	BRL	50.0 µg/kg wet							
1,1,2-Trichloroethane	BRL	50.0 µg/kg wet							
Trichloroethene	BRL	50.0 µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	50.0 µg/kg wet							
1,2,3-Trichloropropane	BRL	50.0 µg/kg wet							
1,2,4-Trimethylbenzene	BRL	50.0 µg/kg wet							
1,3,5-Trimethylbenzene	BRL	50.0 µg/kg wet							
Vinyl chloride	BRL	50.0 µg/kg wet							
m,p-Xylene	BRL	100 µg/kg wet							
o-Xylene	BRL	50.0 µg/kg wet							
Tetrahydrofuran	BRL	500 µg/kg wet							
Ethyl ether	BRL	50.0 µg/kg wet							
Tert-amyl methyl ether	BRL	50.0 µg/kg wet							
Ethyl tert-butyl ether	BRL	50.0 µg/kg wet							
Di-isopropyl ether	BRL	50.0 µg/kg wet							
Tert-Butanol / butyl alcohol	BRL	500 µg/kg wet							
1,4-Dioxane	BRL	1000 µg/kg wet							
Surrogate: 4-Bromofluorobenzene	45.0	µg/kg wet	50.0		90.0	70-130			
Surrogate: Toluene-d8	49.9	µg/kg wet	50.0		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	47.2	µg/kg wet	50.0		94.4	70-130			
Surrogate: Dibromofluoromethane	48.9	µg/kg wet	50.0		97.8	70-130			
LCS (5120033-BS1)			Prepared & Analyzed: 01-Dec-05						
Acetone	32.9	µg/kg wet	20.0		164	3.6-194			
Acrylonitrile	22.4	µg/kg wet	20.0		112	70-130			
Benzene	21.7	µg/kg wet	20.0		108	70-130			
Bromobenzene	19.4	µg/kg wet	20.0		97.0	70-130			
Bromochloromethane	20.2	µg/kg wet	20.0		101	70-130			
Bromodichloromethane	24.4	µg/kg wet	20.0		122	70-130			
Bromoform	30.7	µg/kg wet	20.0		154	70-130			QC-2
Bromomethane	23.7	µg/kg wet	20.0		118	59.7-150			
2-Butanone (MEK)	24.1	µg/kg wet	20.0		120	5.7-162			
n-Butylbenzene	24.8	µg/kg wet	20.0		124	70-130			
sec-Butylbenzene	20.0	µg/kg wet	20.0		100	70-130			
tert-Butylbenzene	21.0	µg/kg wet	20.0		105	70-130			
Carbon disulfide	20.5	µg/kg wet	20.0		102	70-130			
Carbon tetrachloride	24.1	µg/kg wet	20.0		120	70-130			
Chlorobenzene	20.5	µg/kg wet	20.0		102	70-130			
Chloroethane	22.9	µg/kg wet	20.0		114	63.2-146			
Chloroform	19.7	µg/kg wet	20.0		98.5	70-130			
Chloromethane	27.5	µg/kg wet	20.0		138	70-130			QC-1
2-Chlorotoluene	21.7	µg/kg wet	20.0		108	70-130			
4-Chlorotoluene	21.4	µg/kg wet	20.0		107	70-130			
1,2-Dibromo-3-chloropropane	25.6	µg/kg wet	20.0		128	70-130			
Dibromochloromethane	22.9	µg/kg wet	20.0		114	48.8-145			
1,2-Dibromomethane (EDB)	23.0	µg/kg wet	20.0		115	70-130			
Dibromomethane	20.8	µg/kg wet	20.0		104	70-130			
1,2-Dichlorobenzene	22.1	µg/kg wet	20.0		110	70-130			
1,3-Dichlorobenzene	20.6	µg/kg wet	20.0		103	70-130			
1,4-Dichlorobenzene	22.0	µg/kg wet	20.0		110	70-130			
Dichlorodifluoromethane (Freon 12)	25.9	µg/kg wet	20.0		130	59.6-198			
1,1-Dichloroethane	22.1	µg/kg wet	20.0		110	70-130			
1,2-Dichloroethane	18.6	µg/kg wet	20.0		93.0	70-130			

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# Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5120033 - SW846 5030 Soil (high level)									
LCS (5120033-BS1)			Prepared & Analyzed: 01-Dec-05						
1,1-Dichloroethene	19.2	µg/kg wet	20.0		96.0	70-130			
cis-1,2-Dichloroethene	20.9	µg/kg wet	20.0		104	70-130			
trans-1,2-Dichloroethene	20.2	µg/kg wet	20.0		101	70-130			
1,2-Dichloropropane	24.8	µg/kg wet	20.0		124	70-130			
1,3-Dichloropropane	22.6	µg/kg wet	20.0		113	70-130			
2,2-Dichloropropane	43.3	µg/kg wet	20.0		216	70-130			QC-2
1,1-Dichloropropene	20.3	µg/kg wet	20.0		102	70-130			
cis-1,3-Dichloropropene	25.7	µg/kg wet	20.0		128	70-130			
trans-1,3-Dichloropropene	40.2	µg/kg wet	20.0		201	70-130			QC-2
Ethylbenzene	21.6	µg/kg wet	20.0		108	70-130			
Hexachlorobutadiene	24.1	µg/kg wet	20.0		120	67.7-148			
2-Hexanone (MBK)	27.0	µg/kg wet	20.0		135	70-130			QC-1
Isopropylbenzene	20.2	µg/kg wet	20.0		101	70-130			
4-Isopropyltoluene	24.7	µg/kg wet	20.0		124	70-130			
Methyl tert-butyl ether	43.2	µg/kg wet	20.0		216	70-130			QC-2
4-Methyl-2-pentanone (MIBK)	20.6	µg/kg wet	20.0		103	40.5-135			
Methylene chloride	19.8	µg/kg wet	20.0		99.0	70-130			
Naphthalene	23.5	µg/kg wet	20.0		118	70-130			
n-Propylbenzene	21.2	µg/kg wet	20.0		106	70-130			
Styrene	19.4	µg/kg wet	20.0		97.0	70-130			
1,1,1,2-Tetrachloroethane	21.3	µg/kg wet	20.0		106	70-130			
1,1,2,2-Tetrachloroethane	21.8	µg/kg wet	20.0		109	70-130			
Tetrachloroethene	20.2	µg/kg wet	20.0		101	70-130			
Toluene	21.1	µg/kg wet	20.0		106	70-130			
1,2,3-Trichlorobenzene	23.6	µg/kg wet	20.0		118	70-130			
1,2,4-Trichlorobenzene	21.9	µg/kg wet	20.0		110	70-130			
1,1,1-Trichloroethane	25.2	µg/kg wet	20.0		126	70-130			
1,1,2-Trichloroethane	22.6	µg/kg wet	20.0		113	70-130			
Trichloroethene	20.6	µg/kg wet	20.0		103	70-130			
Trichlorofluoromethane (Freon 11)	19.3	µg/kg wet	20.0		97.5	65.6-146			
1,2,3-Trichloropropane	21.8	µg/kg wet	20.0		109	70-130			
1,2,4-Trimethylbenzene	20.2	µg/kg wet	20.0		101	70-130			
1,3,5-Trimethylbenzene	19.1	µg/kg wet	20.0		95.5	70-130			
Vinyl chloride	25.2	µg/kg wet	20.0		126	70-130			
m,p-Xylene	42.9	µg/kg wet	40.0		107	70-130			
o-Xylene	21.6	µg/kg wet	20.0		108	70-130			
Tetrahydrofuran	18.6	µg/kg wet	20.0		93.0	70-130			
Ethyl ether	20.7	µg/kg wet	20.0		104	66.9-141			
Tert-amyl methyl ether	19.2	µg/kg wet	20.0		96.0	70-130			
Ethyl tert-butyl ether	48.5	µg/kg wet	20.0		242	70-130			QC-2
Di-isopropyl ether	25.3	µg/kg wet	20.0		126	70-130			
Tert-Butanol / butyl alcohol	162	µg/kg wet	200		81.0	70-130			
1,4-Dioxane	176	µg/kg wet	200		88.0	17.3-159			
Surrogate: 4-Bromofluorobenzene	46.7	µg/kg wet	50.0		93.4	70-130			
Surrogate: Toluene-d8	49.8	µg/kg wet	50.0		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	45.0	µg/kg wet	50.0		90.0	70-130			
Surrogate: Dibromofluoromethane	47.6	µg/kg wet	50.0		95.2	70-130			
LCS Dup (5120033-BSD1)			Prepared & Analyzed: 01-Dec-05						
Acetone	31.7	µg/kg wet	20.0		158	3.6-194	3.73	30	
Acrylonitrile	22.2	µg/kg wet	20.0		111	70-130	0.897	25	
Benzene	20.7	µg/kg wet	20.0		104	70-130	3.77	25	
Bromobenzene	19.0	µg/kg wet	20.0		95.0	70-130	2.08	25	
Bromochloromethane	20.0	µg/kg wet	20.0		100	70-130	0.995	25	
Bromodichloromethane	23.3	µg/kg wet	20.0		116	70-130	5.04	25	

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# Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5120033 - SW846 5030 Soil (high level)									
LCS Dup (5120033-BSD1)					Prepared & Analyzed: 01-Dec-05				
Bromoform	31.1	µg/kg wet	20.0		156	70-130	1.29	25	QC-2
Bromomethane	22.5	µg/kg wet	20.0		112	59.7-150	5.22	50	
2-Butanone (MEK)	23.0	µg/kg wet	20.0		115	5.7-162	4.26	50	
n-Butylbenzene	23.0	µg/kg wet	20.0		115	70-130	7.53	25	
sec-Butylbenzene	18.8	µg/kg wet	20.0		94.0	70-130	6.19	25	
tert-Butylbenzene	19.8	µg/kg wet	20.0		99.0	70-130	5.88	25	
Carbon disulfide	19.3	µg/kg wet	20.0		96.5	70-130	5.54	25	
Carbon tetrachloride	22.9	µg/kg wet	20.0		114	70-130	5.13	25	
Chlorobenzene	19.8	µg/kg wet	20.0		99.0	70-130	2.99	25	
Chloroethane	21.3	µg/kg wet	20.0		106	63.2-146	7.27	50	
Chloroform	18.9	µg/kg wet	20.0		94.5	70-130	4.15	25	
Chloromethane	25.6	µg/kg wet	20.0		128	70-130	7.52	25	
2-Chlorotoluene	21.0	µg/kg wet	20.0		105	70-130	2.82	25	
4-Chlorotoluene	20.4	µg/kg wet	20.0		102	70-130	4.78	25	
1,2-Dibromo-3-chloropropane	27.1	µg/kg wet	20.0		136	70-130	6.06	25	QC-1
Dibromochloromethane	22.5	µg/kg wet	20.0		112	48.8-145	1.77	50	
1,2-Dibromoethane (EDB)	23.0	µg/kg wet	20.0		115	70-130	0.00	25	
Dibromomethane	20.4	µg/kg wet	20.0		102	70-130	1.94	25	
1,2-Dichlorobenzene	21.1	µg/kg wet	20.0		106	70-130	3.70	25	
1,3-Dichlorobenzene	19.8	µg/kg wet	20.0		99.0	70-130	3.96	25	
1,4-Dichlorobenzene	21.1	µg/kg wet	20.0		106	70-130	3.70	25	
Dichlorodifluoromethane (Freon 12)	24.2	µg/kg wet	20.0		121	59.6-198	7.17	50	
1,1-Dichloroethane	21.1	µg/kg wet	20.0		106	70-130	3.70	25	
1,2-Dichloroethane	18.1	µg/kg wet	20.0		90.5	70-130	2.72	25	
1,1-Dichloroethylene	18.3	µg/kg wet	20.0		91.5	70-130	4.80	25	
cis-1,2-Dichloroethene	20.1	µg/kg wet	20.0		100	70-130	3.92	25	
trans-1,2-Dichloroethene	19.0	µg/kg wet	20.0		95.0	70-130	6.12	25	
1,2-Dichloropropane	24.3	µg/kg wet	20.0		122	70-130	1.63	25	
1,3-Dichloropropane	22.1	µg/kg wet	20.0		110	70-130	2.69	25	
2,2-Dichloropropane	40.3	µg/kg wet	20.0		202	70-130	6.70	25	QC-2
1,1-Dichloropropene	19.3	µg/kg wet	20.0		96.5	70-130	5.54	25	
cis-1,3-Dichloropropene	25.0	µg/kg wet	20.0		125	70-130	2.37	25	
trans-1,3-Dichloropropene	39.4	µg/kg wet	20.0		197	70-130	2.01	25	QC-2
Ethylbenzene	20.7	µg/kg wet	20.0		104	70-130	3.77	25	
Hexachlorobutadiene	22.1	µg/kg wet	20.0		110	67.7-148	8.70	50	
2-Hexanone (MBK)	25.4	µg/kg wet	20.0		127	70-130	6.11	25	
Isopropylbenzene	19.2	µg/kg wet	20.0		96.0	70-130	5.08	25	
4-Isopropyltoluene	22.8	µg/kg wet	20.0		114	70-130	8.40	25	
Methyl tert-butyl ether	42.6	µg/kg wet	20.0		213	70-130	1.40	25	QC-2
4-Methyl-2-pentanone (MIBK)	20.9	µg/kg wet	20.0		104	40.5-135	0.966	50	
Methylene chloride	19.2	µg/kg wet	20.0		96.0	70-130	3.08	25	
Naphthalene	21.8	µg/kg wet	20.0		109	70-130	7.93	25	
n-Propylbenzene	20.2	µg/kg wet	20.0		101	70-130	4.83	25	
Styrene	18.9	µg/kg wet	20.0		94.5	70-130	2.61	25	
1,1,1,2-Tetrachloroethane	21.3	µg/kg wet	20.0		106	70-130	0.00	25	
1,1,2,2-Tetrachloroethane	22.1	µg/kg wet	20.0		110	70-130	0.913	25	
Tetrachloroethene	18.8	µg/kg wet	20.0		94.0	70-130	7.18	25	
Toluene	20.1	µg/kg wet	20.0		100	70-130	5.83	25	
1,2,3-Trichlorobenzene	21.6	µg/kg wet	20.0		108	70-130	8.85	25	
1,2,4-Trichlorobenzene	20.5	µg/kg wet	20.0		102	70-130	7.55	25	
1,1,1-Trichloroethane	24.2	µg/kg wet	20.0		121	70-130	4.05	25	
1,1,2-Trichloroethane	22.6	µg/kg wet	20.0		113	70-130	0.00	25	
Trichloroethene	20.0	µg/kg wet	20.0		100	70-130	2.96	25	
Trichlorofluoromethane (Freon 11)	18.6	µg/kg wet	20.0		93.0	65.6-146	4.72	50	

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# Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5120033 - SW846 5030 Soil (high level)</b>									
<b>LCS Dup (5120033-BSD1)</b>			Prepared & Analyzed: 01-Dec-05						
1,2,3-Trichloropropane	21.8	µg/kg wet	20.0		109	70-130	0.00	25	
1,2,4-Trimethylbenzene	19.2	µg/kg wet	20.0		96.0	70-130	5.08	25	
1,3,5-Trimethylbenzene	18.2	µg/kg wet	20.0		91.0	70-130	4.83	25	
Vinyl chloride	23.6	µg/kg wet	20.0		118	70-130	6.56	25	
m,p-Xylene	41.0	µg/kg wet	40.0		102	70-130	4.78	25	
o-Xylene	21.1	µg/kg wet	20.0		106	70-130	1.87	25	
Tetrahydrofuran	20.7	µg/kg wet	20.0		104	70-130	11.2	25	
Ethyl ether	21.1	µg/kg wet	20.0		106	66.9-141	1.90	50	
Tert-amyl methyl ether	18.8	µg/kg wet	20.0		94.0	70-130	2.11	25	
Ethyl tert-butyl ether	48.2	µg/kg wet	20.0		241	70-130	0.414	25	QC-2
Di-isopropyl ether	24.5	µg/kg wet	20.0		122	70-130	3.23	25	
Tert-Butanol / butyl alcohol	173	µg/kg wet	200		86.5	70-130	6.57	25	
1,4-Dioxane	187	µg/kg wet	200		93.5	17.3-159	6.06	25	
Surrogate 4-Bromofluorobenzene	47.8	µg/kg wet	50.0		95.6	70-130			
Surrogate Toluene-d8	50.0	µg/kg wet	50.0		100	70-130			
Surrogate 1,2-Dichloroethane-d4	45.6	µg/kg wet	50.0		91.2	70-130			
Surrogate Dibromofluoromethane	48.2	µg/kg wet	50.0		96.4	70-130			
<b>Matrix Spike (5120033-MS1)</b>			Source: SA37381-01	Prepared: 01-Dec-05 Analyzed: 02-Dec-05					
Benzene	25.6	µg/kg dry	20.0	6.77	94.2	70-130			
Chlorobenzene	21.2	µg/kg dry	20.0	BRL	106	70-130			
1,1-Dichloroethene	19.8	µg/kg dry	20.0	BRL	99.0	70-130			
Toluene	73.5	µg/kg dry	20.0	74.9	NR	70-130			QM-07
Trichloroethene	20.8	µg/kg dry	20.0	BRL	104	70-130			
Surrogate 4-Bromofluorobenzene	49.0	µg/kg dry	50.0		98.0	70-130			
Surrogate Toluene-d8	52.2	µg/kg dry	50.0		104	70-130			
Surrogate 1,2-Dichloroethane-d4	42.7	µg/kg dry	50.0		85.4	70-130			
Surrogate Dibromofluoromethane	47.6	µg/kg dry	50.0		95.2	70-130			
<b>Matrix Spike Dup (5120033-MSD1)</b>			Source: SA37381-01	Prepared: 01-Dec-05 Analyzed: 02-Dec-05					
Benzene	25.2	µg/kg dry	20.0	6.77	92.2	70-130	2.15	30	
Chlorobenzene	21.7	µg/kg dry	20.0	BRL	108	70-130	1.87	30	
1,1-Dichloroethene	20.6	µg/kg dry	20.0	BRL	103	70-130	3.96	30	
Toluene	67.3	µg/kg dry	20.0	74.9	NR	70-130	138	30	QM-07
Trichloroethene	20.9	µg/kg dry	20.0	BRL	104	70-130	0.00	30	
Surrogate 4-Bromofluorobenzene	49.0	µg/kg dry	50.0		98.0	70-130			
Surrogate Toluene-d8	52.0	µg/kg dry	50.0		104	70-130			
Surrogate 1,2-Dichloroethane-d4	42.8	µg/kg dry	50.0		85.6	70-130			
Surrogate Dibromofluoromethane	47.4	µg/kg dry	50.0		94.8	70-130			
<b>Batch 5120074 - SW846 5030 Soil (high level)</b>									
<b>Blank (5120074-BLK1)</b>			Prepared & Analyzed: 01-Dec-05						
Acetone	BRL	20.0 µg/kg wet							
Acrylonitrile	BRL	1.0 µg/kg wet							
Benzene	BRL	1.0 µg/kg wet							
Bromobenzene	BRL	1.0 µg/kg wet							
Bromochloromethane	BRL	1.0 µg/kg wet							
Bromodichloromethane	BRL	1.0 µg/kg wet							
Bromoform	BRL	1.0 µg/kg wet							
Bromomethane	BRL	2.0 µg/kg wet							
2-Butanone (MEK)	BRL	10.0 µg/kg wet							
n-Butylbenzene	BRL	1.0 µg/kg wet							
sec-Butylbenzene	BRL	1.0 µg/kg wet							
tert-Butylbenzene	BRL	1.0 µg/kg wet							
Carbon disulfide	BRL	5.0 µg/kg wet							

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# Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5120074 - SW846 5030 Soil (high level)									
Blank (5120074-BLK1)			Prepared & Analyzed: 01-Dec-05						
Carbon tetrachloride	BRL	10 µg/kg wet							
Chlorobenzene	BRL	10 µg/kg wet							
Chloroethane	BRL	20 µg/kg wet							
Chloroform	BRL	10 µg/kg wet							
Chloromethane	BRL	20 µg/kg wet							
2-Chlorotoluene	BRL	10 µg/kg wet							
4-Chlorotoluene	BRL	10 µg/kg wet							
1,2-Dibromo-3-chloropropane	BRL	20 µg/kg wet							
Dibromochloromethane	BRL	10 µg/kg wet							
1,2-Dibromoethane (EDB)	BRL	10 µg/kg wet							
Dibromomethane	BRL	10 µg/kg wet							
1,2-Dichlorobenzene	BRL	10 µg/kg wet							
1,3-Dichlorobenzene	BRL	10 µg/kg wet							
1,4-Dichlorobenzene	BRL	10 µg/kg wet							
Dichlorodifluoromethane (Freon 12)	BRL	20 µg/kg wet							
1,1-Dichloroethane	BRL	10 µg/kg wet							
1,2-Dichloroethane	BRL	10 µg/kg wet							
1,1-Dichloroethene	BRL	10 µg/kg wet							
cis-1,2-Dichloroethene	BRL	10 µg/kg wet							
trans-1,2-Dichloroethene	BRL	10 µg/kg wet							
1,2-Dichloropropane	BRL	10 µg/kg wet							
1,3-Dichloropropane	BRL	10 µg/kg wet							
2,2-Dichloropropane	BRL	10 µg/kg wet							
1,1-Dichloropropene	BRL	10 µg/kg wet							
cis-1,3-Dichloropropene	BRL	10 µg/kg wet							
trans-1,3-Dichloropropene	BRL	10 µg/kg wet							
Ethylbenzene	BRL	10 µg/kg wet							
Hexachlorobutadiene	BRL	10 µg/kg wet							
2-Hexanone (MBK)	BRL	100 µg/kg wet							
Isopropylbenzene	BRL	10 µg/kg wet							
4-Isopropyltoluene	BRL	10 µg/kg wet							
Methyl tert-butyl ether	BRL	10 µg/kg wet							
4-Methyl-2-pentanone (MIBK)	BRL	100 µg/kg wet							
Methylene chloride	BRL	100 µg/kg wet							
Naphthalene	BRL	10 µg/kg wet							
n-Propylbenzene	BRL	10 µg/kg wet							
Styrene	BRL	10 µg/kg wet							
1,1,1,2-Tetrachloroethane	BRL	10 µg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	10 µg/kg wet							
Tetrachloroethene	BRL	10 µg/kg wet							
Toluene	BRL	10 µg/kg wet							
1,2,3-Trichlorobenzene	BRL	10 µg/kg wet							
1,2,4-Trichlorobenzene	BRL	10 µg/kg wet							
1,1,1-Trichloroethane	BRL	10 µg/kg wet							
1,1,2-Trichloroethane	BRL	10 µg/kg wet							
Trichloroethene	BRL	10 µg/kg wet							
Trichlorofluoromethane (Freon 11)	BRL	10 µg/kg wet							
1,2,3-Trichloropropane	BRL	10 µg/kg wet							
1,2,4-Trimethylbenzene	BRL	10 µg/kg wet							
1,3,5-Trimethylbenzene	BRL	10 µg/kg wet							
Vinyl chloride	BRL	10 µg/kg wet							
m,p-Xylene	BRL	20 µg/kg wet							
o-Xylene	BRL	10 µg/kg wet							
Tetrahydrofuran	BRL	100 µg/kg wet							

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\* Reportable Detection Limit      BRL = Below Reporting Limit

# Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5120074 - SW846 5030 Soil (high level)									
Blank (5120074-BLK1)			Prepared & Analyzed: 01-Dec-05						
Ethyl ether	BRL	10 µg/kg wet							
Tert-amyl methyl ether	BRL	10 µg/kg wet							
Ethyl tert-butyl ether	BRL	10 µg/kg wet							
Di-isopropyl ether	BRL	10 µg/kg wet							
Tert-Butanol / butyl alcohol	BRL	100 µg/kg wet							
1,4-Dioxane	BRL	200 µg/kg wet							
Surrogate 4-Bromofluorobenzene	50.1	µg/kg wet	50.0		100	70-130			
Surrogate Toluene-d8	51.2	µg/kg wet	50.0		102	70-130			
Surrogate 1,2-Dichloroethane-d4	51.5	µg/kg wet	50.0		103	70-130			
Surrogate Dibromofluoromethane	51.6	µg/kg wet	50.0		103	70-130			
LCS (5120074-BS1)			Prepared & Analyzed: 01-Dec-05						
Acetone	18.0	µg/kg wet	20.0		90.0	3.6-194			
Acrylonitrile	18.2	µg/kg wet	20.0		91.0	70-130			
Benzene	18.9	µg/kg wet	20.0		94.5	70-130			
Bromobenzene	22.1	µg/kg wet	20.0		110	70-130			
Bromochloromethane	20.8	µg/kg wet	20.0		104	70-130			
Bromodichloromethane	20.2	µg/kg wet	20.0		101	70-130			
Bromoform	23.0	µg/kg wet	20.0		115	70-130			
Bromomethane	19.3	µg/kg wet	20.0		96.5	59.7-150			
2-Butanone (MEK)	16.2	µg/kg wet	20.0		81.0	5.7-162			
n-Butylbenzene	18.3	µg/kg wet	20.0		91.5	70-130			
sec-Butylbenzene	21.0	µg/kg wet	20.0		105	70-130			
tert-Butylbenzene	21.8	µg/kg wet	20.0		109	70-130			
Carbon disulfide	20.9	µg/kg wet	20.0		104	70-130			
Carbon tetrachloride	22.1	µg/kg wet	20.0		110	70-130			
Chlorobenzene	20.7	µg/kg wet	20.0		104	70-130			
Chloroethane	20.1	µg/kg wet	20.0		100	63.2-146			
Chloroform	20.4	µg/kg wet	20.0		102	70-130			
Chloromethane	22.8	µg/kg wet	20.0		114	70-130			
2-Chlorotoluene	18.2	µg/kg wet	20.0		91.0	70-130			
4-Chlorotoluene	20.4	µg/kg wet	20.0		102	70-130			
1,2-Dibromo-3-chloropropane	20.0	µg/kg wet	20.0		100	70-130			
Dibromochloromethane	20.3	µg/kg wet	20.0		102	48.8-145			
1,2-Dibromoethane (EDB)	20.4	µg/kg wet	20.0		102	70-130			
Dibromomethane	20.6	µg/kg wet	20.0		103	70-130			
1,2-Dichlorobenzene	20.1	µg/kg wet	20.0		100	70-130			
1,3-Dichlorobenzene	21.8	µg/kg wet	20.0		109	70-130			
1,4-Dichlorobenzene	19.3	µg/kg wet	20.0		96.5	70-130			
Dichlorodifluoromethane (Freon 12)	31.2	µg/kg wet	20.0		156	59.6-198			
1,1-Dichloroethane	18.1	µg/kg wet	20.0		90.5	70-130			
1,2-Dichloroethane	19.3	µg/kg wet	20.0		97.5	70-130			
1,1-Dichloroethene	19.2	µg/kg wet	20.0		96.0	70-130			
cis-1,2-Dichloroethene	20.3	µg/kg wet	20.0		102	70-130			
trans-1,2-Dichloroethene	18.7	µg/kg wet	20.0		93.5	70-130			
1,2-Dichloropropane	18.5	µg/kg wet	20.0		92.5	70-130			
1,3-Dichloropropane	18.5	µg/kg wet	20.0		92.5	70-130			
2,2-Dichloropropane	21.5	µg/kg wet	20.0		108	70-130			
1,1-Dichloropropene	18.6	µg/kg wet	20.0		93.0	70-130			
cis-1,3-Dichloropropene	18.8	µg/kg wet	20.0		94.0	70-130			
trans-1,3-Dichloropropene	19.2	µg/kg wet	20.0		96.0	70-130			
Ethylbenzene	19.8	µg/kg wet	20.0		99.0	70-130			
Hexachlorobutadiene	20.8	µg/kg wet	20.0		104	67.7-148			
2-Hexanone (MBK)	15.3	µg/kg wet	20.0		76.5	70-130			
Isopropylbenzene	19.8	µg/kg wet	20.0		99.0	70-130			

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# Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5120074 - SW846 5030 Soil (high level)									
LCS (5120074-BSD1)			Prepared & Analyzed: 01-Dec-05						
4-Isopropyltoluene	20.0	µg/kg wet	20.0		100	70-130			
Methyl tert-butyl ether	19.8	µg/kg wet	20.0		99.0	70-130			
4-Methyl-2-pentanone (MIBK)	16.0	µg/kg wet	20.0		80.0	40.5-135			
Methylene chloride	19.4	µg/kg wet	20.0		97.0	70-130			
Naphthalene	22.1	µg/kg wet	20.0		110	70-130			
n-Propylbenzene	19.8	µg/kg wet	20.0		99.0	70-130			
Styrene	21.2	µg/kg wet	20.0		106	70-130			
1,1,1,2-Tetrachloroethane	21.8	µg/kg wet	20.0		109	70-130			
1,1,2,2-Tetrachloroethane	19.4	µg/kg wet	20.0		97.0	70-130			
Tetrachloroethene	21.4	µg/kg wet	20.0		107	70-130			
Toluene	19.8	µg/kg wet	20.0		99.0	70-130			
1,2,3-Trichlorobenzene	21.1	µg/kg wet	20.0		106	70-130			
1,2,4-Trichlorobenzene	20.0	µg/kg wet	20.0		100	70-130			
1,1,1-Trichloroethane	20.9	µg/kg wet	20.0		104	70-130			
1,1,2-Trichloroethane	20.5	µg/kg wet	20.0		102	70-130			
Trichloroethene	18.1	µg/kg wet	20.0		90.5	70-130			
Trichlorofluoromethane (Freon 11)	21.9	µg/kg wet	20.0		110	65.6-146			
1,2,3-Trichloropropane	19.2	µg/kg wet	20.0		96.0	70-130			
1,2,4-Trimethylbenzene	21.6	µg/kg wet	20.0		108	70-130			
1,3,5-Trimethylbenzene	21.3	µg/kg wet	20.0		106	70-130			
Vinyl chloride	20.2	µg/kg wet	20.0		101	70-130			
m,p-Xylene	40.8	µg/kg wet	40.0		102	70-130			
o-Xylene	21.8	µg/kg wet	20.0		109	70-130			
Tetrahydrofuran	16.2	µg/kg wet	20.0		81.0	70-130			
Ethyl ether	18.6	µg/kg wet	20.0		93.0	66.9-141			
Tert-amyl methyl ether	20.4	µg/kg wet	20.0		102	70-130			
Ethyl tert-butyl ether	19.5	µg/kg wet	20.0		97.5	70-130			
Di-isopropyl ether	17.3	µg/kg wet	20.0		86.5	70-130			
Tert-Butanol / butyl alcohol	172	µg/kg wet	200		86.0	70-130			
1,4-Dioxane	164	µg/kg wet	200		82.0	17.3-159			
Surrogate 1-Bromofluorobenzene	52.3	µg/kg wet	50.0		105	70-130			
Surrogate Toluene-d8	51.6	µg/kg wet	50.0		103	70-130			
Surrogate 1,2-Dichloroethane-d4	50.9	µg/kg wet	50.0		102	70-130			
Surrogate Dibromofluoromethane	52.1	µg/kg wet	50.0		104	70-130			
LCS Dup (5120074-BSD1)			Prepared & Analyzed: 01-Dec-05						
Acetone	19.6	µg/kg wet	20.0		98.0	3.6-194	8.51	50	
Acrylonitrile	18.6	µg/kg wet	20.0		93.0	70-130	2.17	25	
Benzene	19.1	µg/kg wet	20.0		95.5	70-130	1.05	25	
Bromobenzene	22.3	µg/kg wet	20.0		112	70-130	1.80	25	
Bromochloromethane	21.5	µg/kg wet	20.0		108	70-130	3.77	25	
Bromodichloromethane	20.7	µg/kg wet	20.0		104	70-130	2.93	25	
Bromoforn	23.4	µg/kg wet	20.0		117	70-130	1.72	25	
Bromomethane	20.7	µg/kg wet	20.0		104	59.7-150	7.48	50	
2-Butanone (MEK)	17.5	µg/kg wet	20.0		87.5	5.7-162	7.72	50	
n-Butylbenzene	18.3	µg/kg wet	20.0		91.5	70-130	0.00	25	
sec-Butylbenzene	21.3	µg/kg wet	20.0		106	70-130	0.948	25	
tert-Butylbenzene	22.2	µg/kg wet	20.0		111	70-130	1.82	25	
Carbon disulfide	21.2	µg/kg wet	20.0		106	70-130	1.90	25	
Carbon tetrachloride	22.4	µg/kg wet	20.0		112	70-130	1.80	25	
Chlorobenzene	20.8	µg/kg wet	20.0		104	70-130	0.00	25	
Chloroethane	19.7	µg/kg wet	20.0		98.5	63.2-146	1.51	50	
Chloroform	20.1	µg/kg wet	20.0		100	70-130	1.98	25	
Chloromethane	22.8	µg/kg wet	20.0		114	70-130	0.00	25	
2-Chlorotoluene	18.7	µg/kg wet	20.0		93.5	70-130	2.71	25	

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# Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5120074 - SW846 5030 Soil (high level)									
LCS Dup (5120074-BSD1)			Prepared & Analyzed: 01-Dec-05						
4-Chlorotoluene	20.8	µg/kg wet	20.0		104	70-130	1.94	25	
1,2-Dibromo-3-chloropropane	21.3	µg/kg wet	20.0		106	70-130	5.83	25	
Dibromochloromethane	21.0	µg/kg wet	20.0		105	48.8-145	2.90	50	
1,2-Dibromoethane (EDB)	21.2	µg/kg wet	20.0		106	70-130	3.85	25	
Dibromomethane	21.0	µg/kg wet	20.0		105	70-130	1.92	25	
1,2-Dichlorobenzene	20.5	µg/kg wet	20.0		102	70-130	1.98	25	
1,3-Dichlorobenzene	22.1	µg/kg wet	20.0		110	70-130	0.913	25	
1,4-Dichlorobenzene	19.2	µg/kg wet	20.0		96.0	70-130	0.519	25	
Dichlorodifluoromethane (Freon 12)	31.7	µg/kg wet	20.0		158	59.6-198	1.27	50	
1,1-Dichloroethane	18.7	µg/kg wet	20.0		93.5	70-130	3.26	25	
1,2-Dichloroethane	19.8	µg/kg wet	20.0		99.0	70-130	1.53	25	
1,1-Dichloroethene	19.6	µg/kg wet	20.0		98.0	70-130	2.06	25	
cis-1,2-Dichloroethene	20.1	µg/kg wet	20.0		100	70-130	1.98	25	
trans-1,2-Dichloroethene	19.2	µg/kg wet	20.0		96.0	70-130	2.64	25	
1,2-Dichloropropane	18.2	µg/kg wet	20.0		91.0	70-130	1.63	25	
1,3-Dichloropropane	19.6	µg/kg wet	20.0		98.0	70-130	5.77	25	
2,2-Dichloropropane	21.7	µg/kg wet	20.0		108	70-130	0.00	25	
1,1-Dichloropropene	18.6	µg/kg wet	20.0		93.0	70-130	0.00	25	
cis-1,3-Dichloropropene	19.6	µg/kg wet	20.0		98.0	70-130	4.17	25	
trans-1,3-Dichloropropene	20.1	µg/kg wet	20.0		100	70-130	4.08	25	
Ethylbenzene	19.8	µg/kg wet	20.0		99.0	70-130	0.00	25	
Hexachlorobutadiene	20.3	µg/kg wet	20.0		102	67.7-148	1.94	50	
2-Hexanone (MBK)	17.8	µg/kg wet	20.0		89.0	70-130	15.1	25	
Isopropylbenzene	20.0	µg/kg wet	20.0		100	70-130	1.01	25	
4-Isopropyltoluene	20.3	µg/kg wet	20.0		102	70-130	1.98	25	
Methyl tert-butyl ether	20.9	µg/kg wet	20.0		104	70-130	4.93	25	
4-Methyl-2-pentanone (MIBK)	17.9	µg/kg wet	20.0		89.5	40.5-135	11.2	50	
Methylene chloride	19.7	µg/kg wet	20.0		98.5	70-130	1.53	25	
Naphthalene	23.1	µg/kg wet	20.0		116	70-130	5.31	25	
n-Propylbenzene	19.5	µg/kg wet	20.0		97.5	70-130	1.53	25	
Styrene	21.4	µg/kg wet	20.0		107	70-130	0.939	25	
1,1,1,2-Tetrachloroethane	22.2	µg/kg wet	20.0		111	70-130	1.82	25	
1,1,2,2-Tetrachloroethane	19.8	µg/kg wet	20.0		99.0	70-130	2.04	25	
Tetrachloroethene	21.5	µg/kg wet	20.0		108	70-130	0.930	25	
Toluene	19.9	µg/kg wet	20.0		99.5	70-130	0.504	25	
1,2,3-Trichlorobenzene	20.9	µg/kg wet	20.0		104	70-130	1.90	25	
1,2,4-Trichlorobenzene	20.1	µg/kg wet	20.0		100	70-130	0.00	25	
1,1,1-Trichloroethane	21.5	µg/kg wet	20.0		108	70-130	3.77	25	
1,1,2-Trichloroethane	20.3	µg/kg wet	20.0		102	70-130	0.00	25	
Trichloroethene	18.7	µg/kg wet	20.0		93.5	70-130	3.26	25	
Trichlorofluoromethane (Freon 11)	22.2	µg/kg wet	20.0		111	65.6-146	0.905	50	
1,2,3-Trichloropropane	20.7	µg/kg wet	20.0		104	70-130	8.00	25	
1,2,4-Trimethylbenzene	22.1	µg/kg wet	20.0		110	70-130	1.83	25	
1,3,5-Trimethylbenzene	21.5	µg/kg wet	20.0		108	70-130	1.87	25	
Vinyl chloride	19.0	µg/kg wet	20.0		95.0	70-130	6.12	25	
m,p-Xylene	41.0	µg/kg wet	40.0		102	70-130	0.00	25	
o-Xylene	21.9	µg/kg wet	20.0		110	70-130	0.913	25	
Tetrahydrofuran	16.9	µg/kg wet	20.0		84.5	70-130	4.23	25	
Ethyl ether	20.0	µg/kg wet	20.0		100	66.9-141	7.25	50	
Tert-amyl methyl ether	20.7	µg/kg wet	20.0		104	70-130	1.94	25	
Ethyl tert-butyl ether	20.4	µg/kg wet	20.0		102	70-130	4.51	25	
Di-isopropyl ether	17.9	µg/kg wet	20.0		89.5	70-130	3.41	25	
Tert-Butanol / butyl alcohol	186	µg/kg wet	200		93.0	70-130	7.82	25	
1,4-Dioxane	165	µg/kg wet	200		82.5	17.3-159	0.608	25	

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# Volatile Organic Compounds - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5120074 - SW846 5030 Soil (high level)									
LCS Dup (5120074-BSD1)			Prepared & Analyzed: 01-Dec-05						
Surrogate: 4-Bromofluorobenzene	57.2	µg/kg wet	50.0		104	70-130			
Surrogate: Toluene-d8	51.7	µg/kg wet	50.0		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	51.0	µg/kg wet	50.0		102	70-130			
Surrogate: Dibromofluoromethane	51.7	µg/kg wet	50.0		103	70-130			

## Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 5111380 - SW846 3550B									
Blank (5111380-BLK1)			Prepared: 21-Nov-05 Analyzed: 22-Nov-05						
PCB 1016	BRL	28.6 µg/kg wet							
PCB 1221	BRL	28.6 µg/kg wet							
PCB 1232	BRL	28.6 µg/kg wet							
PCB 1242	BRL	28.6 µg/kg wet							
PCB 1248	BRL	28.6 µg/kg wet							
PCB 1254	BRL	28.6 µg/kg wet							
PCB 1260	BRL	28.6 µg/kg wet							
PCB 1262	BRL	28.6 µg/kg wet							
PCB 1268	BRL	28.6 µg/kg wet							
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	22.9	µg/kg wet	28.6		80.1	30-150			
Surrogate: Decachlorobiphenyl (Sr)	31.4	µg/kg wet	28.6		110	30-150			
LCS (5111380-BS1)			Prepared: 21-Nov-05 Analyzed: 22-Nov-05						
PCB 1016	340	28.6 µg/kg wet	357		95.2	40-140			
PCB 1260	377	28.6 µg/kg wet	357		106	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	25.7	µg/kg wet	28.6		89.9	30-150			
Surrogate: Decachlorobiphenyl (Sr)	32.9	µg/kg wet	28.6		115	30-150			
Duplicate (5111380-DUP1)			Source: SA37415-02		Prepared: 21-Nov-05 Analyzed: 22-Nov-05				
PCB 1016	BRL	108 µg/kg dry		BRL				40	
PCB 1221	BRL	108 µg/kg dry		BRL				40	
PCB 1232	BRL	108 µg/kg dry		BRL				40	
PCB 1242	BRL	108 µg/kg dry		BRL				40	
PCB 1248	478	108 µg/kg dry		613			24.7	40	
PCB 1254	BRL	108 µg/kg dry		BRL				40	
PCB 1260	BRL	108 µg/kg dry		BRL				40	
PCB 1262	BRL	108 µg/kg dry		BRL				40	
PCB 1268	BRL	108 µg/kg dry		BRL				40	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	96.7	µg/kg dry	107		90.4	30-150			
Surrogate: Decachlorobiphenyl (Sr)	124	µg/kg dry	107		116	30-150			
Matrix Spike (5111380-MS1)			Source: SA37415-02		Prepared: 21-Nov-05 Analyzed: 22-Nov-05				
PCB 1016	1230	111 µg/kg dry	1380	BRL	89.1	40-140			
PCB 1260	1470	111 µg/kg dry	1380	BRL	107	40-140			
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	99.7	µg/kg dry	111		89.8	30-150			
Surrogate: Decachlorobiphenyl (Sr)	116	µg/kg dry	111		105	30-150			
Matrix Spike Dup (5111380-MSD1)			Source: SA37415-02		Prepared: 21-Nov-05 Analyzed: 22-Nov-05				
PCB 1016	1440	109 µg/kg dry	1370	BRL	105	40-140	16.4	50	
PCB 1260	1540	109 µg/kg dry	1370	BRL	112	40-140	4.57	50	
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	104	µg/kg dry	109		95.4	30-150			
Surrogate: Decachlorobiphenyl (Sr)	120	µg/kg dry	109		110	30-150			

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**Total Metals by EPA 6000/7000 Series Methods - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5111713 - EPA200/SW7000 Series</b>									
<b>Blank (5111713-BLK1)</b>		Prepared: 29-Nov-05 Analyzed: 30-Nov-05							
Mercury	BRL	0.179 mg/kg wet							
<b>LCS (5111713-BS1)</b>		Prepared: 29-Nov-05 Analyzed: 30-Nov-05							
Mercury	0.938	0.179 mg/kg wet	0.893		105	80-120			
<b>Duplicate (5111713-DUP1)</b>		Source: SA37172-03		Prepared: 29-Nov-05 Analyzed: 30-Nov-05					
Mercury	BRL	0.168 mg/kg dry		BRL				35	
<b>Matrix Spike (5111713-MS1)</b>		Source: SA37459-01		Prepared: 29-Nov-05 Analyzed: 30-Nov-05					
Mercury	0.699	0.183 mg/kg dry	0.426	0.160	127	75-125			QM-07
<b>Matrix Spike Dup (5111713-MSD1)</b>		Source: SA37459-01		Prepared: 29-Nov-05 Analyzed: 30-Nov-05					
Mercury	0.680	0.195 mg/kg dry	0.453	0.160	115	75-125	2.76	35	

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**Total Metals by EPA 200 Series Methods - Quality Control**

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 5111712 - EPA 200 Series</b>									
<b>Blank (5111712-BLK1)</b>			Prepared & Analyzed: 29-Nov-05						
Silver	BRL	2.00 mg/kg wet							
Selenium	BRL	3.00 mg/kg wet							
Arsenic	BRL	3.00 mg/kg wet							
Cadmium	BRL	0.500 mg/kg wet							
Chromium	BRL	1.00 mg/kg wet							
Lead	BRL	1.50 mg/kg wet							
Barium	BRL	1.00 mg/kg wet							
<b>LCS (5111712-BS1)</b>			Prepared & Analyzed: 29-Nov-05						
Silver	46.3	2.00 mg/kg wet	50.0		92.6	85-115			
Selenium	96.9	3.00 mg/kg wet	100		96.9	85-115			
Chromium	90.0	1.00 mg/kg wet	100		90.0	85-115			
Arsenic	92.2	3.00 mg/kg wet	100		92.2	85-115			
Cadmium	92.9	0.500 mg/kg wet	100		92.9	85-115			
Lead	94.6	1.50 mg/kg wet	100		94.6	85-115			
Barium	89.8	1.00 mg/kg wet	100		89.8	85-115			
<b>Duplicate (5111712-DUP1)</b>			Source: SA37172-03	Prepared & Analyzed: 29-Nov-05					
Selenium	BRL	1.58 mg/kg dry		BRL				35	
Silver	BRL	1.05 mg/kg dry		BRL				35	
Lead	2.20	0.789 mg/kg dry		1.40			44.4	35	QR-05
Chromium	6.21	0.526 mg/kg dry		8.10			26.4	35	
Cadmium	BRL	0.263 mg/kg dry		BRL				35	
Arsenic	10.7	1.58 mg/kg dry		10.2			4.78	35	
Barium	13.7	0.526 mg/kg dry		16.9			20.9	35	
<b>Matrix Spike (5111712-MS1)</b>			Source: SA37459-01	Prepared & Analyzed: 29-Nov-05					
Silver	26.4	1.12 mg/kg dry	28.1	BRL	94.0	70-130			
Selenium	51.5	1.69 mg/kg dry	56.2	BRL	91.6	70-130			
Lead	151	0.843 mg/kg dry	56.2	94.3	101	70-130			
Cadmium	48.8	0.281 mg/kg dry	56.2	BRL	86.8	70-130			
Chromium	72.1	0.562 mg/kg dry	56.2	23.0	87.4	70-130			
Arsenic	68.5	1.69 mg/kg dry	56.2	17.0	91.6	70-130			
Barium	92.6	0.562 mg/kg dry	56.2	42.6	89.0	70-130			
<b>Matrix Spike Dup (5111712-MSD1)</b>			Source: SA37459-01	Prepared & Analyzed: 29-Nov-05					
Silver	27.8	1.15 mg/kg dry	28.6	BRL	97.2	70-130	5.17	35	
Selenium	51.8	1.72 mg/kg dry	57.3	BRL	90.4	70-130	0.581	35	
Chromium	71.2	0.573 mg/kg dry	57.3	23.0	84.1	70-130	1.26	35	
Lead	139	0.859 mg/kg dry	57.3	94.3	78.0	70-130	8.28	35	
Arsenic	66.8	1.72 mg/kg dry	57.3	17.0	86.9	70-130	2.51	35	
Cadmium	51.6	0.286 mg/kg dry	57.3	BRL	90.1	70-130	5.58	35	
Barium	88.7	0.573 mg/kg dry	57.3	42.6	80.5	70-130	4.30	35	
<b>Reference (5111712-SRM1)</b>			Prepared & Analyzed: 29-Nov-05						
Silver	26.2	2.00 mg/kg wet	26.3		99.6	85-115			
Selenium	117	3.00 mg/kg wet	114		103	85-115			
Chromium	49.8	1.00 mg/kg wet	57.9		86.0	85-115			
Lead	124	1.50 mg/kg wet	128		96.9	85-115			
Arsenic	71.4	3.00 mg/kg wet	72.4		98.6	85-115			
Cadmium	104	0.500 mg/kg wet	117		88.9	85-115			

*This laboratory report is not valid without an authorized signature on the cover page*

\* Reportable Detection Limit      BRL = Below Reporting Limit

### Toxicity Characteristics - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
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#### Batch 5111330 - General Preparation

Duplicate (5111330-DUP1) Source: SA37381-01 Prepared & Analyzed: 18-Nov-05

pH	8.40	pH Units		8.39			0.119	5	
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#### Batch 5111430 - General Preparation

Blank (5111430-BLK1) Prepared & Analyzed: 21-Nov-05

Reactivity	Negative	mg/kg wet							
Reactive Cyanide	BRL	25.0 mg/kg wet							
Reactive Sulfide	BRL	50.0 mg/kg wet							

Duplicate (5111430-DUP1) Source: SA37303-01 Prepared & Analyzed: 21-Nov-05

Reactivity	Negative	mg/kg dry		0.00				200	
Reactive Cyanide	BRL	24.6 mg/kg dry		BRL				20	
Reactive Sulfide	BRL	49.3 mg/kg dry		BRL				20	

#### Batch 5111612 - General Preparation

Duplicate (5111612-DUP1) Source: SA37381-01 Prepared & Analyzed: 23-Nov-05

Flashpoint	> 200	°F				81-119			
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Reference (5111612-SRM1) Prepared & Analyzed: 23-Nov-05

Flashpoint	80	°F				81-119			
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### General Chemistry Parameters - Quality Control

Analyte(s)	Result	*RDL Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
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#### Batch 5111731 - General Preparation

Duplicate (5111731-DUP1) Source: SA37616-02 Prepared & Analyzed: 28-Nov-05

% Solids	96.9	%		96.9			0.00	20	
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*This laboratory report is not valid without an authorized signature on the cover page.*

\* Reportable Detection Limit      BRL = Below Reporting Limit



## Notes and Definitions

_RE	Reanalysis for data confirmation.
_F	> 200
Neg	Negative
QC-1	Analyte out of acceptance range.
QC-2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-05	RPD out of acceptance range.
vext2	Field extracted
Z-2	Sample was rerun with passing quality control samples for MIBE
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:  
Hanibal C. Tayeh, Ph.D.  
June O'Connor





Lancaster  
Laboratories

## Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

### ANALYTICAL RESULTS

Prepared for:

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

508-835-8822

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

### SAMPLE GROUP

The sample group for this submittal is 1044781. Samples arrived at the laboratory on Wednesday, June 27, 2007.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
MW-201 (12-14')	Soil	5092338
MW-202 (12-14')	Soil	5092339
MW-203 (10-12')	Soil	5092340
MW-204 (10-12')	Soil	5092341

ELECTRONIC COPY TO  
1 COPY TO

SUNOCO c/o CEA, Inc.  
SUNOCO c/o CEA, Inc.

Attn: Scott VanderSea

Attn: Debra Zukauskas



## ***Analysis Report***

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Questions? Contact your Client Services Representative  
Heidi L. Ortenzi at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Valerie L. Tomayko".

Valerie L. Tomayko  
Group Leader



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## Analysis Report

### MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Lancaster Laboratories  
Project: 03745593 88-90 South Maple Street-Westfield, MA  
This form provides certifications for the following data set: 5092338-5092341

Sample Matrices: Soil/Sediment

Methods Used:  
EPA 160.3 modified; MA DEP VPH 5/04; SW-846 8082

An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty" status		Yes or No <sup>1</sup>
A <sup>2</sup>	Were all samples received by the laboratory at the appropriate temperature and were trip blanks received (where required)?	No
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to discuss QC data that did not meet appropriate performance standards or guidelines?	Yes
C	Does the data included in this report meet all analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c), and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	Yes
D	<b>VPH and EPH Methods only:</b> Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective methods)?	Yes
A response to questions E and F below is required for "Presumptive Certainty" status		
E	Were all analytical QC performance standards and recommendations under MCP for the specified methods achieved?	Yes
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes

<sup>1</sup> Refer to the analysis-specific comments on the Analysis Report and the QC Summary for information regarding negative responses.

<sup>2</sup> Refer to the comments on the Analysis Report for information regarding other sample receipt issues.

I, the undersigned, attest under the pains and penalties of perjury that the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Barbara F. Reedy  
Senior Specialist





Lancaster  
Laboratories

## ***Analysis Report***

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Lancaster Laboratories Sample No. SW 5092338

MW-201 (12-14') Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: MW-201 (12-14')  
Collected: 06/25/2007 09:30 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/09/2007 at 09:34  
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

MW201

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
00111	Moisture	n.a.	7.3	0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					
08765	MA - VPH soils					
08766	Benzene	71-43-2	N.D.	0.04	mg/kg	34.2
08767	Toluene	108-88-3	N.D.	0.04	mg/kg	34.2
08768	Ethylbenzene	100-41-4	0.5	0.04	mg/kg	34.2
08769	m,p-Xylenes	n.a.	0.3	0.04	mg/kg	34.2
08770	o-Xylene	95-47-6	0.2	0.04	mg/kg	34.2
08771	Methyl t-butyl ether	1634-04-4	N.D.	0.04	mg/kg	34.2
08772	Naphthalene	91-20-3	1.59	0.04	mg/kg	34.2
08773	C5-C8 Aliphatic Hydrocarbons	n.a.	4.95	1.84	mg/kg	34.2
08774	C9-C12 Aliphatic Hydrocarbons	n.a.	97.2	1.84	mg/kg	34.2
08775	C9-C10 Aromatic Hydrocarbons	n.a.	54.4	1.84	mg/kg	34.2
08840	Unadjusted C5-C8 Aliphatics	n.a.	4.98	1.84	mg/kg	34.2
08841	Unadjusted C9-C12 Aliphatics	n.a.	153.	1.84	mg/kg	34.2
01216	PCBs in Solids					
01495	PCB-1016	12674-11-2	N.D.	3.6	ug/kg	1
01496	PCB-1221	11104-28-2	N.D.	5.6	ug/kg	1
01497	PCB-1232	11141-16-5	N.D.	3.6	ug/kg	1
01498	PCB-1242	53469-21-9	N.D.	3.6	ug/kg	1
01499	PCB-1248	12672-29-6	N.D.	3.6	ug/kg	1
01500	PCB-1254	11097-69-1	N.D.	3.6	ug/kg	1
01501	PCB-1260	11096-82-5	N.D.	3.6	ug/kg	1

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle



# Analysis Report

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Lancaster Laboratories Sample No. SW 5092338

MW-201 (12-14') Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: MW-201 (12-14')  
Collected: 06/25/2007 09:30 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/09/2007 at 09:34  
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

MW201  
CAT

No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
00111	Moisture	EPA 160.3 modified	1	06/29/2007 17:52		Scott W Freisher	1
08765	MA - VPH soils	MA DEP VPH 5/04	1	07/05/2007 11:39		K. Robert Caulfeild-James	34.2
01216	PCBs in Solids	SW-846 8082	1	07/05/2007 14:31		Hai D Nguyen	1
00388	GC - Field Preserved (MA-VPH)	MA DEP VPH modified	1	06/25/2007 09:30		Client Supplied	1
00388	GC - Field Preserved (MA-VPH)	MA DEP VPH modified	2	06/25/2007 09:30		Client Supplied	1
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	07/03/2007 23:05		Karen L Beyer	1

Lancaster Laboratories Sample No. SW 5092339

MW-202 (12-14') Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: MW-202 (12-14')  
Collected: 06/25/2007 10:45 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/09/2007 at 09:35  
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

MW202

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
00111	Moisture	n.a.	8.2	0.50	%	1
	*Moisture* represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					
08765	MA - VPH soils					
08766	Benzene	71-43-2	N.D.	0.03	mg/kg	28.6
08767	Toluene	108-88-3	N.D.	0.03	mg/kg	28.6
08768	Ethylbenzene	100-41-4	N.D.	0.03	mg/kg	28.6
08769	m,p-Xylenes	n.a.	N.D.	0.03	mg/kg	28.6
08770	o-Xylene	95-47-6	N.D.	0.03	mg/kg	28.6
08771	Methyl t-butyl ether	1634-04-4	N.D.	0.03	mg/kg	28.6
08772	Naphthalene	91-20-3	0.05 J	0.03	mg/kg	28.6
08773	C5-C8 Aliphatic Hydrocarbons	n.a.	N.D.	1.56	mg/kg	28.6
08774	C9-C12 Aliphatic Hydrocarbons	n.a.	N.D.	1.56	mg/kg	28.6
08775	C9-C10 Aromatic Hydrocarbons	n.a.	N.D.	1.56	mg/kg	28.6
08840	Unadjusted C5-C8 Aliphatics	n.a.	N.D.	1.56	mg/kg	28.6
08841	Unadjusted C9-C12 Aliphatics	n.a.	N.D.	1.56	mg/kg	28.6
	The concentration of naphthalene is most likely due to carryover from the previous sample. It is above the MDL of 0.03 mg/kg but below the LOQ of 0.06 mg/kg.					
01216	PCBs in Solids					
01495	PCB-1016	12674-11-2	N.D.	3.6	ug/kg	1
01496	PCB-1221	11104-28-2	N.D.	5.7	ug/kg	1
01497	PCB-1232	11141-16-5	N.D.	3.6	ug/kg	1
01498	PCB-1242	53469-21-9	N.D.	3.6	ug/kg	1
01499	PCB-1248	12672-29-6	N.D.	3.6	ug/kg	1
01500	PCB-1254	11097-69-1	N.D.	3.6	ug/kg	1
01501	PCB-1260	11096-82-5	N.D.	3.6	ug/kg	1

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



# Analysis Report

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Lancaster Laboratories Sample No. SW 5092339

MW-202 (12-14') Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: MW-202 (12-14')  
Collected: 06/25/2007 10:45 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/09/2007 at 09:35  
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

MW202

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
00111	Moisture	EPA 160.3 modified	1	06/29/2007 17:52		Scott W Freisher	1
08765	MA - VPH soils	MA DEP VPH 5/04	1	07/05/2007 12:21		K. Robert Caulfeild-James	28.6
01216	PCBs in Solids	SW-846 8082	1	07/05/2007 15:36		Hai D Nguyen	1
00388	GC - Field Preserved (MA-VPH)	MA DEP VPH modified	1	06/25/2007 10:45		Client Supplied	1
00388	GC - Field Preserved (MA-VPH)	MA DEP VPH modified	2	06/25/2007 10:45		Client Supplied	1
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	07/03/2007 23:05		Karen L Beyer	1



Lancaster Laboratories Sample No. SW 5092340

MW-203 (10-12') Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: MW-203 (10-12')  
Collected: 06/25/2007 13:15 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/09/2007 at 09:35  
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

MW203

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
06111	Moisture	n.a.	2.8	0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					
06765	MA - VPH soils					
08766	Benzene	71-43-2	N.D.	0.03	mg/kg	27.1
08767	Toluene	108-88-3	N.D.	0.03	mg/kg	27.1
08768	Ethylbenzene	100-41-4	N.D.	0.03	mg/kg	27.1
08769	m,p-Xylenes	n.a.	N.D.	0.03	mg/kg	27.1
08770	o-Xylene	95-47-6	N.D.	0.03	mg/kg	27.1
08771	Methyl t-butyl ether	1634-04-4	N.D.	0.03	mg/kg	27.1
08772	Naphthalene	91-20-3	N.D.	0.03	mg/kg	27.1
08773	C5-C8 Aliphatic Hydrocarbons	n.a.	N.D.	1.39	mg/kg	27.1
08774	C9-C12 Aliphatic Hydrocarbons	n.a.	N.D.	1.39	mg/kg	27.1
08775	C9-C10 Aromatic Hydrocarbons	n.a.	N.D.	1.39	mg/kg	27.1
08840	Unadjusted C5-C8 Aliphatics	n.a.	N.D.	1.39	mg/kg	27.1
08841	Unadjusted C9-C12 Aliphatics	n.a.	N.D.	1.39	mg/kg	27.1
01216	PCBs in Solids					
01495	PCB-1016	12674-11-2	N.D.	3.4	ug/kg	1
01496	PCB-1221	11104-28-2	N.D.	5.3	ug/kg	1
01497	PCB-1232	11141-16-5	N.D.	3.4	ug/kg	1
01498	PCB-1242	53469-21-9	N.D.	3.4	ug/kg	1
01499	PCB-1248	12672-29-6	N.D.	3.4	ug/kg	1
01500	PCB-1254	11097-69-1	N.D.	3.4	ug/kg	1
01501	PCB-1260	11096-82-5	N.D.	3.4	ug/kg	1

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle



# Analysis Report

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Lancaster Laboratories Sample No. SW 5092340

MW-203 (10-12') Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: MW-203 (10-12')  
Collected: 06/25/2007 13:15 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/09/2007 at 09:35  
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

MW203

CAT	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
No.						
00111	Moisture	EPA 160.3 modified	1	06/29/2007 17:52	Scott W Freisher	1
08765	MA - VPH soils	MA DEP VPH 5/04	1	07/05/2007 13:03	K. Robert Caulfeild-James	27.1
01216	PCBs in Solids	SW-846 8082	1	07/05/2007 15:57	Hai D Nguyen	1
00388	GC - Field Preserved (MA-VPH)	MA DEP VPH modified	1	06/25/2007 13:15	Client Supplied	1
00388	GC - Field Preserved (MA-VPH)	MA DEP VPH modified	2	06/25/2007 13:15	Client Supplied	1
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	07/03/2007 23:05	Karen L Beyer	1

Lancaster Laboratories Sample No. SW 5092341

MW-204 (10-12') Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: MW-204 (10-12')  
Collected: 06/25/2007 12:15 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/09/2007 at 09:35  
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

MW204

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
00111	Moisture	n.a.	8.9	0.50	%	1
	*Moisture* represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					
08765	MA - VPH soils					
08766	Benzene	71-43-2	N.D.	0.04	mg/kg	31.8
08767	Toluene	108-88-3	N.D.	0.04	mg/kg	31.8
08768	Ethylbenzene	100-41-4	N.D.	0.04	mg/kg	31.8
08769	m,p-Xylenes	n.a.	N.D.	0.04	mg/kg	31.8
08770	o-Xylene	95-47-6	N.D.	0.04	mg/kg	31.8
08771	Methyl t-butyl ether	1634-04-4	N.D.	0.04	mg/kg	31.8
08772	Naphthalene	91-20-3	N.D.	0.04	mg/kg	31.8
08773	C5-C8 Aliphatic Hydrocarbons	n.a.	N.D.	1.75	mg/kg	31.8
08774	C9-C12 Aliphatic Hydrocarbons	n.a.	N.D.	1.75	mg/kg	31.8
08775	C9-C10 Aromatic Hydrocarbons	n.a.	N.D.	1.75	mg/kg	31.8
08840	Unadjusted C5-C8 Aliphatics	n.a.	N.D.	1.75	mg/kg	31.8
08841	Unadjusted C9-C12 Aliphatics	n.a.	N.D.	1.75	mg/kg	31.8
01216	PCBs in Solids					
01495	PCB-1016	12674-11-2	N.D.	3.6	ug/kg	1
01496	PCB-1221	11104-28-2	N.D.	5.7	ug/kg	1
01497	PCB-1232	11141-16-5	N.D.	3.6	ug/kg	1
01498	PCB-1242	53469-21-9	N.D.	3.6	ug/kg	1
01499	PCB-1248	12672-29-6	N.D.	3.6	ug/kg	1
01500	PCB-1254	11097-69-1	9.6 J	3.6	ug/kg	1
01501	PCB-1260	11096-82-5	N.D.	3.6	ug/kg	1

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle



# Analysis Report

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Page 2 of 2

Lancaster Laboratories Sample No. SW 5092341

MW-204 (10-12') Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: MW-204 (10-12')  
Collected: 06/25/2007 12:15 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/09/2007 at 09:35  
Discard: 09/08/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

MW204

CAT	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
00111	Moisture	EPA 160.3 modified	1	06/29/2007 17:52		Scott W Freisher	1
08765	MA - VPH soils	MA DEP VPH 5/04	1	07/05/2007 13:45		K. Robert Caulfeild-James	31.8
01216	PCBs in Solids	SW-846 8082	1	07/05/2007 16:19		Mark E McNulty	1
00388	GC - Field Preserved (MA-VPH)	MA DEP VPH modified	1	06/25/2007 12:15		Client Supplied	1
00388	GC - Field Preserved (MA-VPH)	MA DEP VPH modified	2	06/25/2007 12:15		Client Supplied	1
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	07/03/2007 23:05		Karen L Beyer	1

## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc.  
Reported: 07/09/07 at 09:35 AM

Group Number: 1044781

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07180820002A Moisture	Sample number(s): 5092339-5092341			100		99-101		
Batch number: 07180820002B Moisture	Sample number(s): 5092338			100		99-101		
Batch number: 07182A01B	Sample number(s): 5092338-5092341							
Benzene	N.D.	0.05	mg/kg	114	115	70-130	1	50
Toluene	N.D.	0.05	mg/kg	116	117	70-130	1	50
Ethylbenzene	N.D.	0.05	mg/kg	118	118	70-130	0	50
m,p-Xylenes	N.D.	0.05	mg/kg	121	122	70-130	1	50
o-Xylene	N.D.	0.05	mg/kg	114	114	70-130	1	50
Methyl t-butyl ether	N.D.	0.05	mg/kg	114	114	70-130	0	50
Naphthalene	N.D.	0.05	mg/kg	116	119	70-130	3	50
C5-C8 Aliphatic Hydrocarbons	N.D.	2.50	mg/kg	76	74	70-130	2	50
C9-C12 Aliphatic Hydrocarbons	N.D.	2.50	mg/kg	73	73	70-130	0	50
C9-C10 Aromatic Hydrocarbons	N.D.	2.50	mg/kg	120	121	70-130	0	50
Unadjusted C5-C8 Aliphatics	N.D.	2.50	mg/kg	95	95	70-130	1	50
Unadjusted C9-C12 Aliphatics	N.D.	2.50	mg/kg	102	102	70-130	0	50
Batch number: 071840018A	Sample number(s): 5092338-5092341							
PCB-1016	N.D.	3.3	ug/kg	91		72-120		
PCB-1221	N.D.	5.2	ug/kg					
PCB-1232	N.D.	3.3	ug/kg					
PCB-1242	N.D.	3.3	ug/kg					
PCB-1248	N.D.	3.3	ug/kg					
PCB-1254	N.D.	3.3	ug/kg					
PCB-1260	N.D.	3.3	ug/kg	94		65-137		

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07180820002A Moisture	Sample number(s): 5092339-5092341					BKG: P091603 7.2	6.5	9	15
Batch number: 07180820002B Moisture	Sample number(s): 5092338					BKG: P092137 17.4	18.0	4	15
Batch number: 071840018A	Sample number(s): 5092338-5092341					UNSPK: 5092338			
PCB-1016	73	88	45-125	19	50				
PCB-1260	76	93	62-130	20	50				

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc.  
Reported: 07/09/07 at 09:35 AM

Group Number: 1044781

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
---------------	------------	-------------	------------------	-----	------------	-------------	-------------	------------	----------------

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: MA - VPH soils  
Batch number: 07182A01B

Trifluorotoluene-P		Trifluorotoluene-F
5092338	95	104
5092339	86	77
5092340	102	88
5092341	97	83
Blank	111	95
LCS	110	90
LCSD	110	90
Limits:	70-130	70-130

Analysis Name: PCBs in Solids  
Batch number: 071840018A

Tetrachloro-m-xylene		Decachlorobiphenyl
5092338	85	105
5092339	93	109
5092340	93	111
5092341	93	112
Blank	92	108
LCS	90	111
MS	71	86
MSD	88	105
Limits:	53-139	53-142

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



12/40

2007 12140 ghp 1044781 # 5092338-41

Page 1 of 1

## Chain of Custody Record

Sunoco DUNS #: 0374-5593

Region:

State or Lead Regulatory Agency: MADEP

Requested Due Date (mm/dd/yy):

COC Tracking Number:

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Dir:

Lab Name:	Southern Petroleum Laboratories	Facility Address:	88-90 South Maple Street	Consultant/Contractor:	CEA
Address:	500 Ambassador Caffery Parkway	Facility City, State:	Westfield MA	Address:	127 Hartwell Street
	Scott, LA 70583	Site Lat/Long:			W. Boylston, MA 01583
Lab PM:		Sunoco PM Contact:	Bill Brochu	Consultant/Contractor Project No.:	4776-01
Tele: 717-656-2300	Fax: 717-656-2168	Address:	4 Bellows Rd, PO Box 1262,	Consultant/Contractor PM:	Scott VanderSea
Report Type & QC Level:	MADEP	Westborough, MA 01581		Tele/Fax:	(508) 835-8822
E-mail EDD To:	SunocoENFOS@dellaenv.com	Tele/Fax:	(800) 777-6444 x1357	Invoice to:	

Item No.	Sample Description	Time	Date	Matrix		Laboratory No.	Preservative			Requested Analysis				Sample Point Lat/Long and Comments
				Liquid	Soil		No. of Containers	MeOH	None	VPH	PCBs	% Solid		
1	MW-201 (12-14)	9:30	6/25		x		3	2	1	x	x	x		
2	MW-202 (12-14)	10:45	6/25		x		3	2	1	x	x	x		
3	MW - 203 (10-12)	1:15	6/25		x		3	2	1	x	x	x		
4	MW-204 (10-12)	12:15	6/25		x		3	2	1	x	x	x		
5														
6														
7														
8														
9														
10														
11														
12														

Sampler's Name:	Adam Guaraldi	Relinquished By / Affiliation		Date	6/25	Time	6:00pm
Sampler's Company:	CEA						
Shipment Date:	6/26/2007						
Shipment Method:	FedEX						
Shipment Tracking No.:							

Special Instructions:	
Must meet MADEP GW-1 Groundwater Standards, Email laboratory analytical reports to dazukauskas@cea-inc.com	
Custody Seals in Place Yes No	Temp Blank Yes No
	Cooler Temperature on Receipt 48°-58° OFC
	Trip Blank Yes No



## Case Narrative

Project Name: 03745593 88-90 South Maple Street-Westfield, MA  
LLI Group #: 1044781

### General Comments:

See the Laboratory Chronicle section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted below.

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

### Analysis Specific Comments:

5092339

The concentration of naphthalene is most likely due to carryover from the previous sample. It is above the MDL of 0.03 mg/kg but below the LOQ of 0.06 mg/kg.

## Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>Cal</b>	(diet) calories	<b>lb.</b>	pound(s)
<b>meq</b>	milliequivalents	<b>kg</b>	kilogram(s)
<b>g</b>	gram(s)	<b>mg</b>	milligram(s)
<b>ug</b>	microgram(s)	<b>l</b>	liter(s)
<b>ml</b>	milliliter(s)	<b>ul</b>	microliter(s)
<b>m3</b>	cubic meter(s)	<b>fib &gt;5 um/ml</b>	fibers greater than 5 microns in length per ml
<b>&lt;</b>	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is <CRDL, but ≥IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike amount not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>J</b>	Estimated value	<b>U</b>	Compound was not detected
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>W</b>	Post digestion spike out of control limits
<b>P</b>	Concentration difference between primary and confirmation columns >25%	<b>*</b>	Duplicate analysis not within control limits
<b>U</b>	Compound was not detected	<b>+</b>	Correlation coefficient for MSA <0.995
<b>X,Y,Z</b>	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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## Analysis Report

### ANALYTICAL RESULTS

Prepared for:

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

508-835-8822

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

### SAMPLE GROUP

The sample group for this submittal is 1044782. Samples arrived at the laboratory on Wednesday, June 27, 2007.

#### Client Description

Disposal                      Soil

#### Lancaster Labs Number

5092342

ELECTRONIC      SUNOCO c/o CEA, Inc.

COPY TO

Attn: Scott VanderSea

1 COPY TO

SUNOCO c/o CEA, Inc.

Attn: Debra Zukauskas





## ***Analysis Report***

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Questions? Contact your Client Services Representative  
Heidi L. Ortenzi at (717) 656-2300

Respectfully Submitted,

A handwritten signature in black ink that reads "Susan M. Goshert".

Susan M. Goshert  
Group Leader

Lancaster Laboratories Sample No. SW 5092342

Disposal Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: Disposal  
Collected: 06/25/2007 14:00 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/12/2007 at 13:25  
Discard: 09/11/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

DISPS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	200.	22.	mg/kg	5
00159	Mercury	7439-97-6	0.0160 J	0.0111	mg/kg	1
06935	Arsenic	7440-38-2	1.97 J	1.04	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.07	mg/kg	1
06946	Barium	7440-39-3	38.5	0.0251	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0710	mg/kg	1
06951	Chromium	7440-47-3	15.0	0.637	mg/kg	1
06955	Lead	7439-92-1	13.1	0.536	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.186	mg/kg	1
00111	Moisture	n.a.	8.5	0.50	%	1
*Moisture* represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
00542	Ignitability	n.a.	See Below			1
The sample did not spontaneously ignite when exposed to air or water. The sample did not ignite by friction. The sample vapors did not ignite when exposed to a flame using a closed cup apparatus.						
01637	TPH-GRO 8015B - soil					
01641	TPH-GRO 8015B - soil	n.a.	1.6	0.1	mg/kg	13.03
01216	PCBs in Solids					
01495	PCB-1016	12674-11-2	N.D.	3.6	ug/kg	1
01496	PCB-1221	11104-28-2	N.D.	5.7	ug/kg	1
01497	PCB-1232	11141-16-5	N.D.	3.6	ug/kg	1
01498	PCB-1242	53469-21-9	N.D.	3.6	ug/kg	1
01499	PCB-1248	12672-29-6	N.D.	3.6	ug/kg	1
01500	PCB-1254	11097-69-1	22.	3.6	ug/kg	1
01501	PCB-1260	11096-82-5	N.D.	3.6	ug/kg	1
03983	EPA SW 846/8260 - Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	18.	ug/kg	33.33
02017	di-Isopropyl ether	108-20-3	N.D.	36.	ug/kg	33.33
02018	Ethyl t-butyl ether	637-92-3	N.D.	36.	ug/kg	33.33
02019	t-Amyl methyl ether	994-05-8	N.D.	36.	ug/kg	33.33
02020	t-Butyl alcohol	75-65-0	N.D.	730.	ug/kg	33.33
06293	Acetone	67-64-1	N.D.	260.	ug/kg	33.33
06296	2-Butanone	78-93-3	N.D.	150.	ug/kg	33.33

Lancaster Laboratories Sample No. SW 5092342

Disposal Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: Disposal  
Collected: 06/25/2007 14:00 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/12/2007 at 13:25  
Discard: 09/11/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

## DISPS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	36.	ug/kg	33.33
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	36.	ug/kg	33.33
06299	4-Methyl-2-pentanone	108-10-1	N.D.	110.	ug/kg	33.33
06300	2-Hexanone	591-78-6	N.D.	110.	ug/kg	33.33
05441	EPA SW846/8260 (soil)					
05443	Dichlorodifluoromethane	75-71-8	N.D.	73.	ug/kg	33.33
05444	Chloromethane	74-87-3	N.D.	73.	ug/kg	33.33
05445	Vinyl Chloride	75-01-4	N.D.	36.	ug/kg	33.33
05446	Bromomethane	74-83-9	N.D.	73.	ug/kg	33.33
05447	Chloroethane	75-00-3	N.D.	73.	ug/kg	33.33
05448	Trichlorofluoromethane	75-69-4	N.D.	73.	ug/kg	33.33
05449	1,1-Dichloroethene	75-35-4	N.D.	36.	ug/kg	33.33
05450	Methylene Chloride	75-09-2	N.D.	73.	ug/kg	33.33
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	36.	ug/kg	33.33
05452	1,1-Dichloroethane	75-34-3	N.D.	36.	ug/kg	33.33
05453	2,2-Dichloropropane	594-20-7	N.D.	36.	ug/kg	33.33
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	36.	ug/kg	33.33
05455	Chloroform	67-66-3	N.D.	36.	ug/kg	33.33
05456	Bromochloromethane	74-97-5	N.D.	36.	ug/kg	33.33
05457	1,1,1-Trichloroethane	71-55-6	N.D.	36.	ug/kg	33.33
05458	Carbon Tetrachloride	56-23-5	N.D.	36.	ug/kg	33.33
05459	1,1-Dichloropropene	563-58-6	N.D.	36.	ug/kg	33.33
05460	Benzene	71-43-2	N.D.	18.	ug/kg	33.33
05461	1,2-Dichloroethane	107-06-2	N.D.	36.	ug/kg	33.33
05462	Trichloroethene	79-01-6	N.D.	36.	ug/kg	33.33
05463	1,2-Dichloropropane	78-87-5	N.D.	36.	ug/kg	33.33
05464	Dibromomethane	74-95-3	N.D.	36.	ug/kg	33.33
05465	Bromodichloromethane	75-27-4	N.D.	36.	ug/kg	33.33
05466	Toluene	108-88-3	61. J	36.	ug/kg	33.33
05467	1,1,2-Trichloroethane	79-00-5	N.D.	36.	ug/kg	33.33
05468	Tetrachloroethene	127-18-4	N.D.	36.	ug/kg	33.33
05469	1,3-Dichloropropane	142-28-9	N.D.	36.	ug/kg	33.33
05470	Dibromochloromethane	124-48-1	N.D.	36.	ug/kg	33.33
05471	1,2-Dibromoethane	106-93-4	N.D.	36.	ug/kg	33.33
05472	Chlorobenzene	108-90-7	N.D.	36.	ug/kg	33.33
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	36.	ug/kg	33.33
05474	Ethylbenzene	100-41-4	N.D.	36.	ug/kg	33.33
05475	m+p-Xylene	1330-20-7	110. J	36.	ug/kg	33.33
05476	o-Xylene	95-47-6	40. J	36.	ug/kg	33.33
05477	Styrene	100-42-5	N.D.	36.	ug/kg	33.33

Lancaster Laboratories Sample No. SW 5092342

Disposal Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: Disposal  
Collected: 06/25/2007 14:00 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/12/2007 at 13:25  
Discard: 09/11/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

## DISFS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05418	Bromoform	75-25-2	N.D.	36.	ug/kg	33.33
05419	Isopropylbenzene	98-82-8	N.D.	36.	ug/kg	33.33
05420	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	36.	ug/kg	33.33
05421	Bromobenzene	108-86-1	N.D.	36.	ug/kg	33.33
05422	1,2,3-Trichloropropane	96-18-4	N.D.	36.	ug/kg	33.33
05423	n-Propylbenzene	103-65-1	N.D.	36.	ug/kg	33.33
05424	2-Chlorotoluene	95-49-8	N.D.	36.	ug/kg	33.33
05425	1,3,5-Trimethylbenzene	108-67-8	110. J	36.	ug/kg	33.33
05426	4-Chlorotoluene	106-43-4	N.D.	36.	ug/kg	33.33
05427	tert-Butylbenzene	98-06-6	N.D.	36.	ug/kg	33.33
05428	1,2,4-Trimethylbenzene	95-63-6	320.	36.	ug/kg	33.33
05429	sec-Butylbenzene	135-98-8	46. J	36.	ug/kg	33.33
05430	p-Isopropyltoluene	99-87-6	42. J	36.	ug/kg	33.33
05431	1,3-Dichlorobenzene	541-73-1	N.D.	36.	ug/kg	33.33
05432	1,4-Dichlorobenzene	106-46-7	N.D.	36.	ug/kg	33.33
05433	n-Butylbenzene	104-51-8	86. J	36.	ug/kg	33.33
05434	1,2-Dichlorobenzene	95-50-1	N.D.	36.	ug/kg	33.33
05435	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	73.	ug/kg	33.33
05436	1,2,4-Trichlorobenzene	120-82-1	67. J	36.	ug/kg	33.33
05437	Hexachlorobutadiene	87-68-3	140. J	73.	ug/kg	33.33
05438	Naphthalene	91-20-3	260.	36.	ug/kg	33.33
05439	1,2,3-Trichlorobenzene	87-61-6	110. J	36.	ug/kg	33.33

The project QA/QC requirements were not met.

The percent recoveries for acetone and 2-butanone were outside the project specified QC window of 70-130% in the LCS and LCSD associated with this sample. The percent recovery for hexachlorobutadiene was also outside the project specified QC window in the LCS. The recoveries were within the laboratory's statistically derived QC windows.

The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised.

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Lancaster Laboratories Sample No. SW 5092342

Disposal Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: Disposal  
Collected: 06/25/2007 14:00 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/12/2007 at 13:25  
Discard: 09/11/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

DISPS

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08270	TPH-DRO by 8015B	SW-846 8015B	2	07/06/2007 04:44	Heather E Williams	5
00159	Mercury	SW-846 7471A	1	07/02/2007 20:42	Nelli S Markaryan	1
06935	Arsenic	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06936	Selenium	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06946	Barium	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06949	Cadmium	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06951	Chromium	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06955	Lead	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06966	Silver	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
00111	Moisture	EPA 160.3 modified	1	06/29/2007 17:52	Scott W Freisher	1
00542	Ignitability	40 CFR 261.21	1	07/10/2007 01:10	Daniel S Smith	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	07/02/2007 17:28	Linda C Pape	13.03
01216	PCBs in Solids	SW-846 8082	1	07/05/2007 16:40	Hai D Nguyen	1
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	07/09/2007 04:39	Stephanie A Selis	33.33
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	07/09/2007 04:39	Stephanie A Selis	33.33
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	07/03/2007 23:05	Karen L Beyer	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/02/2007 14:15	Mirit S Shenouda	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	07/02/2007 18:15	Mirit S Shenouda	1
06647	GC Field Preserved MeOH	SW-846 5035	1	06/25/2007 14:00	Client Supplied	n.a.
06647	GC Field Preserved MeOH	SW-846 5035	2	06/25/2007 14:00	Client Supplied	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	07/03/2007 08:15	Ineabelle Poveda	1
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035	1	06/25/2007 14:00	Client Supplied	1
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035	2	06/25/2007 14:00	Client Supplied	1

## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc.  
Reported: 07/12/07 at 01:25 PM

Group Number: 1044782

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07170A34D TPH-GRO 8015B - soil	Sample number(s): 5092342 N.D.	0.2	mg/kg	84		67-119		
Batch number: 071805708005 Arsenic	Sample number(s): 5092342 N.D.	0.950	mg/kg	95		86-114		
Selenium	N.D.	0.979	mg/kg	98		78-122		
Barium	0.0590 J	0.0230	mg/kg	97		91-109		
Cadmium	N.D.	0.0650	mg/kg	95		90-110		
Chromium	N.D.	0.583	mg/kg	91		78-122		
Lead	N.D.	0.490	mg/kg	94		91-109		
Silver	N.D.	0.170	mg/kg	96		89-112		
Batch number: 071805711003 Mercury	Sample number(s): 5092342 N.D.	0.0107	mg/kg	103		66-133		
Batch number: 07180820002A Moisture	Sample number(s): 5092342			100		99-101		
Batch number: 071810014A TPH-DRO by 8015B	Sample number(s): 5092342 N.D.	4.0	mg/kg	89	88	71-109	1	20
Batch number: 071840018A PCB-1016	Sample number(s): 5092342 N.D.	3.3	ug/kg	91		72-120		
PCB-1221	N.D.	5.2	ug/kg					
PCB-1232	N.D.	3.3	ug/kg					
PCB-1242	N.D.	3.3	ug/kg					
PCB-1248	N.D.	3.3	ug/kg					
PCB-1254	N.D.	3.3	ug/kg					
PCB-1260	N.D.	3.3	ug/kg	94		65-137		
Batch number: Q071891AA Methyl Tertiary Butyl Ether	Sample number(s): 5092342 N.D.	25.	ug/kg	99	103	70-130	4	30
di-Isopropyl ether	N.D.	50.	ug/kg	87	87	70-130	1	30
Ethyl t-butyl ether	N.D.	50.	ug/kg	91	95	70-130	5	30
t-Amyl methyl ether	N.D.	50.	ug/kg	98	100	70-130	2	30
t-Butyl alcohol	N.D.	1,000.	ug/kg	98	95	70-130	2	30
Dichlorodifluoromethane	N.D.	100.	ug/kg	98	90	70-130	8	30
Chloromethane	N.D.	100.	ug/kg	80	80	70-130	0	30
Vinyl Chloride	N.D.	50.	ug/kg	82	82	70-130	0	30
Bromomethane	N.D.	100.	ug/kg	116	112	70-130	4	30
Chloroethane	N.D.	100.	ug/kg	95	94	70-130	1	30
Trichlorofluoromethane	N.D.	100.	ug/kg	101	100	70-130	1	30
1,1-Dichloroethene	N.D.	50.	ug/kg	109	113	70-130	3	30
Methylene Chloride	N.D.	100.	ug/kg	102	102	70-130	0	30
trans-1,2-Dichloroethene	N.D.	50.	ug/kg	101	108	70-130	6	30
1,1-Dichloroethane	N.D.	50.	ug/kg	96	100	70-130	5	30
2,2-Dichloropropane	N.D.	50.	ug/kg	106	108	70-130	1	30

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc.  
Reported: 07/12/07 at 01:25 PM

Group Number: 1044782

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
cis-1,2-Dichloroethene	N.D.	50.	ug/kg	99	104	70-130	5	30
Chloroform	N.D.	50.	ug/kg	102	104	70-130	1	30
Bromochloromethane	N.D.	50.	ug/kg	109	112	70-130	2	30
1,1,1-Trichloroethane	N.D.	50.	ug/kg	109	113	70-130	3	30
Carbon Tetrachloride	N.D.	50.	ug/kg	111	112	70-130	1	30
1,1-Dichloropropene	N.D.	50.	ug/kg	97	98	70-130	1	30
Benzene	N.D.	25.	ug/kg	98	100	70-130	2	30
1,2-Dichloroethane	N.D.	50.	ug/kg	110	111	70-130	1	30
Trichloroethene	N.D.	50.	ug/kg	102	102	70-130	0	30
1,2-Dichloropropane	N.D.	50.	ug/kg	92	94	70-130	2	30
Dibromomethane	N.D.	50.	ug/kg	101	104	70-130	3	30
Bromodichloromethane	N.D.	50.	ug/kg	109	109	70-130	0	30
Toluene	N.D.	50.	ug/kg	97	98	70-130	0	30
1,1,2-Trichloroethane	N.D.	50.	ug/kg	96	97	70-130	1	30
Tetrachloroethene	N.D.	50.	ug/kg	102	102	70-130	1	30
1,3-Dichloropropane	N.D.	50.	ug/kg	93	94	70-130	1	30
Dibromochloromethane	N.D.	50.	ug/kg	107	110	70-130	3	30
1,2-Dibromoethane	N.D.	50.	ug/kg	98	97	70-130	1	30
Chlorobenzene	N.D.	50.	ug/kg	98	98	70-130	1	30
1,1,1,2-Tetrachloroethane	N.D.	50.	ug/kg	103	107	70-130	3	30
Ethylbenzene	N.D.	50.	ug/kg	95	96	70-130	1	30
m+p-Xylene	N.D.	50.	ug/kg	98	98	70-130	1	30
o-Xylene	N.D.	50.	ug/kg	98	99	70-130	1	30
Styrene	N.D.	50.	ug/kg	96	95	70-130	1	30
Bromoform	N.D.	50.	ug/kg	103	105	70-130	2	30
Isopropylbenzene	N.D.	50.	ug/kg	96	99	70-130	3	30
1,1,2,2-Tetrachloroethane	N.D.	50.	ug/kg	88	92	70-130	4	30
Bromobenzene	N.D.	50.	ug/kg	101	103	70-130	2	30
1,2,3-Trichloropropane	N.D.	50.	ug/kg	96	101	70-130	4	30
n-Propylbenzene	N.D.	50.	ug/kg	96	97	70-130	2	30
2-Chlorotoluene	N.D.	50.	ug/kg	97	97	70-130	0	30
1,3,5-Trimethylbenzene	N.D.	50.	ug/kg	97	101	70-130	4	30
4-Chlorotoluene	N.D.	50.	ug/kg	100	98	70-130	2	30
tert-Butylbenzene	N.D.	50.	ug/kg	101	102	70-130	1	30
1,2,4-Trimethylbenzene	N.D.	50.	ug/kg	97	100	70-130	3	30
sec-Butylbenzene	N.D.	50.	ug/kg	97	102	70-130	5	30
p-Isopropyltoluene	N.D.	50.	ug/kg	98	101	70-130	3	30
1,3-Dichlorobenzene	N.D.	50.	ug/kg	99	102	70-130	4	30
1,4-Dichlorobenzene	N.D.	50.	ug/kg	97	99	70-130	2	30
n-Butylbenzene	N.D.	50.	ug/kg	94	96	70-130	2	30
1,2-Dichlorobenzene	N.D.	50.	ug/kg	94	98	70-130	3	30
1,2-Dibromo-3-chloropropane	N.D.	100.	ug/kg	86	94	70-130	9	30
1,2,4-Trichlorobenzene	N.D.	50.	ug/kg	86	96	70-130	11	30
Hexachlorobutadiene	N.D.	100.	ug/kg	68*	76	70-130	12	30
Naphthalene	N.D.	50.	ug/kg	84	91	70-130	8	30
1,2,3-Trichlorobenzene	N.D.	50.	ug/kg	81	92	70-130	12	30
Acetone	N.D.	350.	ug/kg	54*	62*	70-130	13	30
2-Butanone	N.D.	200.	ug/kg	64*	69*	70-130	8	30
trans-1,3-Dichloropropene	N.D.	50.	ug/kg	95	92	70-130	2	30
cis-1,3-Dichloropropene	N.D.	50.	ug/kg	98	99	70-130	1	30
4-Methyl-2-pentanone	N.D.	150.	ug/kg	92	94	70-130	3	30
2-Hexanone	N.D.	150.	ug/kg	81	84	70-130	3	30

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc.  
Reported: 07/12/07 at 01:25 PM

Group Number: 1044782

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07170A34D TPH-GRO 8015B - soil	74	83	39-118	12	30				
Batch number: 071805708005	Sample number(s): 5092342 UNSPK: P081080								
Arsenic	(2)	(2)	75-125	15	20	66.6	79.0	17	20
Selenium	112	100	75-125	10	20	1.08 J	1.47 J	31* (1)	20
Barium	86	104	75-125	9	20	186.	157.	17	20
Cadmium	93	92	75-125	2	20	0.0750 J	N.D.	200* (1)	20
Chromium	(2)	(2)	75-125	10	20	282.	267.	6	20
Lead	(2)	(2)	75-125	3	20	589.	1,240.	72*	20
Silver	103	104	75-125	0	20	N.D.	0.219 J	200* (1)	20
Batch number: 071805711003	Sample number(s): 5092342 UNSPK: P092137 BKG: P092137								
Mercury	(2)	(2)	80-120	2	20	0.725	0.611	17	20
Batch number: 07180820002A	Sample number(s): 5092342 BKG: P091603								
Moisture						7.1	6.5	9	15
Batch number: 071840018A	Sample number(s): 5092342 UNSPK: P092338								
PCB-1016	73	88	45-125	19	50				
PCB-1260	76	93	62-130	20	50				

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO 8015B - soil  
Batch number: 07170A34D  
Trifluorotoluene-F

5092342	88
Blank	90
LCS	87
MS	81
MSD	78

Limits: 61-122

Analysis Name: TPH-DRO by 8015B  
Batch number: 071810014A  
Orthoterphenyl

5092342	105
Blank	92
LCS	110
LCSD	108

Limits: 59-129

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc.  
Reported: 07/12/07 at 01:25 PM

Group Number: 1044782

### Surrogate Quality Control

Analysis Name: PCBs in Solids

Batch number: 071840018A

	Tetrachloro-m-xylene	Decachlorobiphenyl
5092342	62	74
Blank	92	108
LCS	90	111
MS	71	86
MSD	88	105

Limits: 53-139 53-142

Analysis Name: EPA SW846/8260 (soil)

Batch number: Q071891AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5092342	126*	120*	112	120*
Blank	104	96	92	94
LCS	107	103	100	103
LCSD	110	103	100	105

Limits: 71-114 70-109 70-123 70-111

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

0007 12.140 ghp1044782 # 5092342

# Chain of Custody Record

Sunoco DUNS #: 0374-5593

Region:

State or Lead Regulatory Agency: MADEP

Requested Due Date (mm/dd/yy):

COC Tracking Number:

On-site Temp: \_\_\_\_\_  
 Off-site Temp: \_\_\_\_\_  
 Sky Conditions: \_\_\_\_\_  
 Meteorological Events: \_\_\_\_\_  
 Wind Speed: \_\_\_\_\_  
 Direc: \_\_\_\_\_

Lab Name: Southern Petroleum Laboratories  
 Address: 500 Ambassador Caffery Parkway  
 Scott, LA 70583  
 Lab PM: \_\_\_\_\_  
 Tele: 717-656-2300 Fax: 717-656-21681  
 Report Type & QC Level: MADEP  
 E-mail EDD To: SunocoENFOS@deltaenv.com  
 Lab Bottle Order No: \_\_\_\_\_

Item No.	Sample Description	Time	Date	Matrix	Preservative		Laboratory No.	No. of Containers		Requested Analysis	Sample Point Lat/Long and Comments
					MeOH	None		6	4		
1	Disposal	2:00	6/25	Liquid	x						
2				Soil							
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Sampler's Name: Adam Guaraldi  
 Sampler's Company: CEA  
 Shipment Date: 6/26/2007  
 Shipment Method: FedEx  
 Shipment Tracking No: \_\_\_\_\_

Special Instructions:  
 Must meet MADEP GW-1 Groundwater Standards, Email laboratory analytical report to dazukauskas@cea-inc.com  
 Custody Seals in Place Yes No  
 Temp Blank Yes No  
 Cooler Temperature on Receipt 6.8°F  
 Trip Blank Yes No

Accepted By / Affiliation: \_\_\_\_\_  
 Date: 6/25/07  
 Time: 6:00pm

Accepted By / Affiliation: \_\_\_\_\_  
 Date: 6/26/07  
 Time: 9:26 AM

## Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>Cal</b>	(diet) calories	<b>lb.</b>	pound(s)
<b>meq</b>	milliequivalents	<b>kg</b>	kilogram(s)
<b>g</b>	gram(s)	<b>mg</b>	milligram(s)
<b>ug</b>	microgram(s)	<b>l</b>	liter(s)
<b>ml</b>	milliliter(s)	<b>ul</b>	microliter(s)
<b>m3</b>	cubic meter(s)	<b>fib &gt;5 um/ml</b>	fibers greater than 5 microns in length per ml
<b>&lt;</b>	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is <CRDL, but ≥IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike amount not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>J</b>	Estimated value	<b>U</b>	Compound was not detected
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>W</b>	Post digestion spike out of control limits
<b>P</b>	Concentration difference between primary and confirmation columns >25%	<b>*</b>	Duplicate analysis not within control limits
<b>U</b>	Compound was not detected	<b>+</b>	Correlation coefficient for MSA <0.995
<b>X,Y,Z</b>	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.





LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Case Narrative for:  
**SUNOCO, INC**

Certificate of Analysis Number:  
**07031143**

<b>Report To:</b>  CORPORATE ENVIRONMENTAL ADVISORS, INC. ADAM GUARALDI 127 HARTWELL ST.  WEST BOYLESTON MA 01583- ph: (508) 835-8822      fax:	<b>Project Name:</b> WESTFIELD, MA <b>Site:</b> SUNOCO DUNS #0374-5593 <b>Site Address:</b> 88-90 SOUTH MAPLE STREET WESTFIELD      MA  <b>PO Number:</b> <b>State:</b> Massachusetts <b>State Cert. No.:</b> M-LA013 <b>Date Reported:</b> 4/17/2007
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**NOTE:**

All samples submitted for VPH analysis by MADEP VPH were collected in Methanol (Method 5035), however the sample to solvent ratio was not 1:1. There was approximately 50 gr of soil sample per 5035 jar, and 25 mL of methanol. This high amount of sample is reflected in the Prep Factor and the reporting limit for each sample.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC). Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry. The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples. The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

TOTAL NUMBER OF PAGES IN THIS REPORT: \_\_\_\_\_ PAGES

Alberto E. Granados  
Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

4/17/2007

Date





LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

SUNOCO, INC

Certificate of Analysis Number:

**07031143**

**Report To:** CORPORATE ENVIRONMENTAL ADVISORS, INC.  
ADAM GUARALDI  
127 HARTWELL ST.

WEST BOYLESTON  
MA

01583-

ph: (508) 835-8822

fax:

**Fax To:**

**Project Name:** WESTFIELD, MA  
**Site:** SUNOCO DUNS #0374-5593  
**Site Address:** 88-90 SOUTH MAPLE STREET  
WESTFIELD MA

**PO Number:**

**State:** Massachusetts

**State Cert. No.:** M-LA013

**Date Reported:** 4/17/2007

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-101 (15')	07031143-01	Soil	3/28/2007 9:30:00 AM	3/30/2007 9:30:00 AM		<input type="checkbox"/>
MW-102 (15')	07031143-02	Soil	3/28/2007 10:30:00 AM	3/30/2007 9:30:00 AM		<input type="checkbox"/>
MW-103 (15')	07031143-03	Soil	3/28/2007 11:00:00 AM	3/30/2007 9:30:00 AM		<input type="checkbox"/>
SB-1 (14')	07031143-04	Soil	3/28/2007 11:30:00 AM	3/30/2007 9:30:00 AM		<input type="checkbox"/>
SB-2 (14')	07031143-05	Soil	3/28/2007 12:30:00 PM	3/30/2007 9:30:00 AM		<input type="checkbox"/>
SB-3 (13')	07031143-06	Soil	3/28/2007 1:30:00 PM	3/30/2007 9:30:00 AM		<input type="checkbox"/>
SB-4 (13')	07031143-07	Soil	3/28/2007 2:30:00 PM	3/30/2007 9:30:00 AM		<input type="checkbox"/>

Alberto E. Granados  
Project Manager

4/17/2007

Date

Ron Benjamin  
Laboratory Director  
  
Tristan Davis  
Quality Assurance Officer



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFEY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: MW-101 (15') Collected: 03/28/2007 9:30 SPL Sample ID: 07031143-01

Site: SUNOCO DUNS #0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
<b>PERCENT MOISTURE</b>							
			<b>MCL</b>		<b>D2216</b>	<b>Units: wt%</b>	
Percent Moisture	9		0.1	1	04/02/07 9:23	RDH	2165872
<b>POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL</b>							
			<b>MCL</b>		<b>SW8082</b>	<b>Units: mg/Kg-dry</b>	
Aroclor 1016	ND		0.036	1	04/03/07 21:08	RAH	2170002
Aroclor 1221	ND		0.036	1	04/03/07 21:08	RAH	2170002
Aroclor 1232	ND		0.036	1	04/03/07 21:08	RAH	2170002
Aroclor 1242	ND		0.036	1	04/03/07 21:08	RAH	2170002
Aroclor 1248	ND		0.036	1	04/03/07 21:08	RAH	2170002
Aroclor 1254	ND		0.036	1	04/03/07 21:08	RAH	2170002
Aroclor 1260	ND		0.036	1	04/03/07 21:08	RAH	2170002
Surr: Decachlorobiphenyl	84.2		% 34-138	1	04/03/07 21:08	RAH	2170002
Surr: Tetrachloro-m-xylene	141	MI	% 16-127	1	04/03/07 21:08	RAH	2170002

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	04/02/2007 14:48	JAP	1.00

<b>VOLATILE PETROLEUM HYDROCARBONS - SOIL</b>							
			<b>MCL</b>	<b>VPH</b>	<b>EPH</b>	<b>ALL</b>	<b>Units: ug/Kg-dry</b>
Benzene	70		23	50	04/10/07 19:39	RRH	2176289
Toluene	190		23	50	04/10/07 19:39	RRH	2176289
Ethylbenzene	ND		23	50	04/10/07 19:39	RRH	2176289
m,p-Xylene	58		47	50	04/10/07 19:39	RRH	2176289
o-Xylene	ND		23	50	04/10/07 19:39	RRH	2176289
Methyl tert-butyl ether	ND		190	50	04/10/07 19:39	RRH	2176289
Naphthalene	ND		230	50	04/10/07 19:39	RRH	2176289
C5-C8 Aliphatics (Unadjusted)	ND		4700	50	04/10/07 19:39	RRH	2176290
C9-C12 Aliphatics (Unadjusted)	ND		2300	50	04/10/07 19:39	RRH	2176290
C9-C10 Aromatics	ND		700	50	04/10/07 19:39	RRH	2176289
C5-C8 Aliphatics (Adjusted)	ND		4700	50	04/10/07 19:39	RRH	2176289
C9-C12 Aliphatics (Adjusted)	ND		2300	50	04/10/07 19:39	RRH	2176289
Surr: 2,5-Dibromotoluene	107		% 70-130	50	04/10/07 19:39	RRH	2176290
Surr: 2,5-Dibromotoluene	103		% 70-130	50	04/10/07 19:39	RRH	2176289

Prep Method	Prep Date	Prep Initials	Prep Factor
SW8015B	03/28/2007 9:30	Field	0.43

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

4/17/2007 10:42:43 AM



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: MW-102 (15')

Collected: 03/28/2007 10:30 SPL Sample ID: 07031143-02

Site: SUNOCO DUNS #0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
<b>PERCENT MOISTURE</b>				<b>MCL</b>	<b>D2216</b>	<b>Units: wt%</b>	
Percent Moisture	11		0.1	1	04/02/07 9:23	RDH	2165871
<b>POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL</b>				<b>MCL</b>	<b>SW8082</b>	<b>Units: mg/Kg-dry</b>	
Aroclor 1016	ND		0.037	1	04/03/07 21:25	RAH	2170003
Aroclor 1221	ND		0.037	1	04/03/07 21:25	RAH	2170003
Aroclor 1232	ND		0.037	1	04/03/07 21:25	RAH	2170003
Aroclor 1242	ND		0.037	1	04/03/07 21:25	RAH	2170003
Aroclor 1248	ND		0.037	1	04/03/07 21:25	RAH	2170003
Aroclor 1254	ND		0.037	1	04/03/07 21:25	RAH	2170003
Aroclor 1260	ND		0.037	1	04/03/07 21:25	RAH	2170003
Surr: Decachlorobiphenyl	79.4	%	34-138	1	04/03/07 21:25	RAH	2170003
Surr: Tetrachloro-m-xylene	67.9	%	16-127	1	04/03/07 21:25	RAH	2170003

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	04/02/2007 14:48	JAP	1.00

<b>VOLATILE PETROLEUM HYDROCARBONS - SOIL</b>				<b>MCL_VPH_EPH_ALL</b>	<b>Units: ug/Kg-dry</b>	
Benzene	ND		28	50	04/10/07 16:42	RRH 2176210
Toluene	ND		28	50	04/10/07 16:42	RRH 2176210
Ethylbenzene	ND		28	50	04/10/07 16:42	RRH 2176210
m,p-Xylene	ND		56	50	04/10/07 16:42	RRH 2176210
o-Xylene	ND		28	50	04/10/07 16:42	RRH 2176210
Methyl tert-butyl ether	ND		220	50	04/10/07 16:42	RRH 2176210
Naphthalene	ND		280	50	04/10/07 16:42	RRH 2176210
C5-C8 Aliphatics (Unadjusted)	ND		5600	50	04/10/07 16:42	RRH 2176211
C9-C12 Aliphatics (Unadjusted)	ND		2800	50	04/10/07 16:42	RRH 2176211
C9-C10 Aromatics	ND		840	50	04/10/07 16:42	RRH 2176210
C5-C8 Aliphatics (Adjusted)	ND		5600	50	04/10/07 16:42	RRH 2176210
C9-C12 Aliphatics (Adjusted)	ND		2800	50	04/10/07 16:42	RRH 2176210
Surr: 2,5-Dibromotoluene	114	%	70-130	50	04/10/07 16:42	RRH 2176211
Surr: 2,5-Dibromotoluene	109	%	70-130	50	04/10/07 16:42	RRH 2176210

Prep Method	Prep Date	Prep Initials	Prep Factor
SW8015B	03/28/2007 10:30	Field	0.50

**Qualifiers:**  
ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

4/17/2007 10:42:43 AM



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: MW-103 (15')

Collected: 03/28/2007 11:00 SPL Sample ID: 07031143-03

Site: SUNOCO DUNS #0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
<b>PERCENT MOISTURE</b>			<b>MCL</b>	<b>D2216</b>	<b>Units: wt%</b>		
Percent Moisture	11		0.1	1	04/02/07 9:23	RDH	2165870
<b>POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL</b>			<b>MCL</b>	<b>SW8082</b>	<b>Units: mg/Kg-dry</b>		
Aroclor 1016	ND		0.037	1	04/03/07 21:43	RAH	2170004
Aroclor 1221	ND		0.037	1	04/03/07 21:43	RAH	2170004
Aroclor 1232	ND		0.037	1	04/03/07 21:43	RAH	2170004
Aroclor 1242	ND		0.037	1	04/03/07 21:43	RAH	2170004
Aroclor 1248	ND		0.037	1	04/03/07 21:43	RAH	2170004
Aroclor 1254	ND		0.037	1	04/03/07 21:43	RAH	2170004
Aroclor 1260	ND		0.037	1	04/03/07 21:43	RAH	2170004
Surr: Decachlorobiphenyl	85.2	%	34-138	1	04/03/07 21:43	RAH	2170004
Surr: Tetrachloro-m-xylene	70.3	%	16-127	1	04/03/07 21:43	RAH	2170004

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	04/02/2007 14:48	JAP	1.00

<b>VOLATILE PETROLEUM HYDROCARBONS - SOIL</b>			<b>MCL</b>	<b>VPH</b>	<b>EPH</b>	<b>ALL</b>	<b>Units: ug/Kg-dry</b>	
Benzene	61		26	50	04/10/07 17:12	RRH	2176212	
Toluene	220		26	50	04/10/07 17:12	RRH	2176212	
Ethylbenzene	880		26	50	04/10/07 17:12	RRH	2176212	
m,p-Xylene	1000		51	50	04/10/07 17:12	RRH	2176212	
o-Xylene	1800		26	50	04/10/07 17:12	RRH	2176212	
Methyl tert-butyl ether	ND		200	50	04/10/07 17:12	RRH	2176212	
Naphthalene	2800		260	50	04/10/07 17:12	RRH	2176212	
C5-C8 Aliphatics (Unadjusted)	64000		51000	500	04/11/07 12:03	RRH	2176227	
C9-C12 Aliphatics (Unadjusted)	290000		26000	500	04/11/07 12:03	RRH	2176227	
C9-C10 Aromatics	140000		7700	500	04/11/07 12:03	RRH	2176226	
C5-C8 Aliphatics (Adjusted)	72000		51000	500	04/11/07 12:03	RRH	2176226	
C9-C12 Aliphatics (Adjusted)	170000		26000	500	04/11/07 12:03	RRH	2176226	
Surr: 2,5-Dibromotoluene	153	MI	% 70-130	500	04/11/07 12:03	RRH	2176227	
Surr: 2,5-Dibromotoluene	130		% 70-130	500	04/11/07 12:03	RRH	2176226	
Surr: 2,5-Dibromotoluene	271	MI	% 70-130	50	04/10/07 17:12	RRH	2176212	

Prep Method	Prep Date	Prep Initials	Prep Factor
SW8015B	03/28/2007 11:00	Field	0.46

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

4/17/2007 10:42:43 AM



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: SB-1 (14')

Collected: 03/28/2007 11:30 SPL Sample ID: 07031143-04

Site: SUNOCO DUNS #0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
<b>PERCENT MOISTURE</b>				<b>MCL</b>	<b>D2216</b>	<b>Units: wt%</b>	
Percent Moisture	6.1		0.1	1	04/02/07 9:23	RDH	2165869
<b>POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL</b>				<b>MCL</b>	<b>SW8082</b>	<b>Units: mg/Kg-dry</b>	
Aroclor 1016	ND		0.035	1	04/03/07 22:00	RAH	2170012
Aroclor 1221	ND		0.035	1	04/03/07 22:00	RAH	2170012
Aroclor 1232	ND		0.035	1	04/03/07 22:00	RAH	2170012
Aroclor 1242	ND		0.035	1	04/03/07 22:00	RAH	2170012
Aroclor 1248	0.33		0.035	1	04/03/07 22:00	RAH	2170012
Aroclor 1254	ND		0.035	1	04/03/07 22:00	RAH	2170012
Aroclor 1260	ND		0.035	1	04/03/07 22:00	RAH	2170012
Surr: Decachlorobiphenyl	89.4	%	34-138	1	04/03/07 22:00	RAH	2170012
Surr: Tetrachloro-m-xylene	75.2	%	16-127	1	04/03/07 22:00	RAH	2170012

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	04/02/2007 14:48	JAP	1.00

VOLATILE PETROLEUM HYDROCARBONS - SOIL				MCL	VPH	EPH	ALL	Units: ug/Kg-dry	
Benzene	47		26		50		04/10/07 17:42	RRH	2176214
Toluene	150		26		50		04/10/07 17:42	RRH	2176214
Ethylbenzene	34		26		50		04/10/07 17:42	RRH	2176214
m,p-Xylene	71		52		50		04/10/07 17:42	RRH	2176214
o-Xylene	64		26		50		04/10/07 17:42	RRH	2176214
Methyl tert-butyl ether	ND		210		50		04/10/07 17:42	RRH	2176214
Naphthalene	ND		260		50		04/10/07 17:42	RRH	2176214
C5-C8 Aliphatics (Unadjusted)	ND		5200		50		04/10/07 17:42	RRH	2176215
C9-C12 Aliphatics (Unadjusted)	4100		2600		50		04/10/07 17:42	RRH	2176215
C9-C10 Aromatics	1300		780		50		04/10/07 17:42	RRH	2176214
C5-C8 Aliphatics (Adjusted)	ND		5200		50		04/10/07 17:42	RRH	2176214
C9-C12 Aliphatics (Adjusted)	2800		2600		50		04/10/07 17:42	RRH	2176214
Surr: 2,5-Dibromotoluene	118	%	70-130		50		04/10/07 17:42	RRH	2176215
Surr: 2,5-Dibromotoluene	102	%	70-130		50		04/10/07 17:42	RRH	2176214

Prep Method	Prep Date	Prep Initials	Prep Factor
SW8015B	03/28/2007 11:30	Field	0.49

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

4/17/2007 10:42:44 AM



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: SB-2 (14')

Collected: 03/28/2007 12:30

SPL Sample ID: 07031143-05

Site: SUNOCO DUNS #0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
<b>PERCENT MOISTURE</b>				<b>MCL</b>	<b>D2216</b>	<b>Units: wt%</b>	
Percent Moisture	4.1		0.1	1	04/02/07 9:23	RDH	2165868
<b>POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL</b>				<b>MCL</b>	<b>SW8082</b>	<b>Units: mg/Kg-dry</b>	
Aroclor 1016	ND		0.034	1	04/03/07 22:36	RAH	2170008
Aroclor 1221	ND		0.034	1	04/03/07 22:36	RAH	2170008
Aroclor 1232	ND		0.034	1	04/03/07 22:36	RAH	2170008
Aroclor 1242	ND		0.034	1	04/03/07 22:36	RAH	2170008
Aroclor 1248	ND		0.034	1	04/03/07 22:36	RAH	2170008
Aroclor 1254	ND		0.034	1	04/03/07 22:36	RAH	2170008
Aroclor 1260	ND		0.034	1	04/03/07 22:36	RAH	2170008
Surr: Decachlorobiphenyl	86.1	%	34-138	1	04/03/07 22:36	RAH	2170008
Surr: Tetrachloro-m-xylene	64.2	%	16-127	1	04/03/07 22:36	RAH	2170008

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	04/02/2007 14:48	JAP	1.00

<b>VOLATILE PETROLEUM HYDROCARBONS - SOIL</b>			<b>MCL</b>	<b>VPH</b>	<b>EPH</b>	<b>ALL</b>	<b>Units: ug/Kg-dry</b>
Benzene	ND	23		50		04/10/07 18:11	RRH 2176216
Toluene	46	23		50		04/10/07 18:11	RRH 2176216
Ethylbenzene	ND	23		50		04/10/07 18:11	RRH 2176216
m,p-Xylene	ND	46		50		04/10/07 18:11	RRH 2176216
o-Xylene	ND	23		50		04/10/07 18:11	RRH 2176216
Methyl tert-butyl ether	ND	180		50		04/10/07 18:11	RRH 2176216
Naphthalene	ND	230		50		04/10/07 18:11	RRH 2176216
C5-C8 Aliphatics (Unadjusted)	ND	4600		50		04/10/07 18:11	RRH 2176217
C9-C12 Aliphatics (Unadjusted)	ND	2300		50		04/10/07 18:11	RRH 2176217
C9-C10 Aromatics	ND	690		50		04/10/07 18:11	RRH 2176216
C5-C8 Aliphatics (Adjusted)	ND	4600		50		04/10/07 18:11	RRH 2176216
C9-C12 Aliphatics (Adjusted)	ND	2300		50		04/10/07 18:11	RRH 2176216
Surr: 2,5-Dibromotoluene	112	%	70-130	50		04/10/07 18:11	RRH 2176217
Surr: 2,5-Dibromotoluene	108	%	70-130	50		04/10/07 18:11	RRH 2176216

Prep Method	Prep Date	Prep Initials	Prep Factor
SW8015B	03/28/2007 12:30	Field	0.44

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

4/17/2007 10:42:44 AM





LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: SB-3 (13")

Collected: 03/28/2007 13:30 SPL Sample ID: 07031143-06

Site: SUNOCO DUNS #0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
<b>PERCENT MOISTURE</b>				<b>MCL</b>	<b>D2216</b>	<b>Units: wt%</b>	
Percent Moisture	8.8		0.1	1	04/02/07 9:23	ROH	2165867
<b>POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL</b>				<b>MCL</b>	<b>SW8082</b>	<b>Units: mg/Kg-dry</b>	
Aroclor 1016	ND		0.036	1	04/03/07 22:53	RAH	2170009
Aroclor 1221	ND		0.036	1	04/03/07 22:53	RAH	2170009
Aroclor 1232	ND		0.036	1	04/03/07 22:53	RAH	2170009
Aroclor 1242	ND		0.036	1	04/03/07 22:53	RAH	2170009
Aroclor 1248	ND		0.036	1	04/03/07 22:53	RAH	2170009
Aroclor 1254	ND		0.036	1	04/03/07 22:53	RAH	2170009
Aroclor 1260	ND		0.036	1	04/03/07 22:53	RAH	2170009
Surr: Decachlorobiphenyl	84.2	%	34-138	1	04/03/07 22:53	RAH	2170009
Surr: Tetrachloro-m-xylene	67.0	%	16-127	1	04/03/07 22:53	RAH	2170009

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	04/02/2007 14:48	JAP	1.00

<b>VOLATILE PETROLEUM HYDROCARBONS - SOIL</b>			<b>MCL</b>	<b>VPH</b>	<b>EPH</b>	<b>ALL</b>	<b>Units: ug/Kg-dry</b>
Benzene	38		25	50	04/10/07 18:40	RRH	2176218
Toluene	120		25	50	04/10/07 18:40	RRH	2176218
Ethylbenzene	ND		25	50	04/10/07 18:40	RRH	2176218
m,p-Xylene	ND		49	50	04/10/07 18:40	RRH	2176218
o-Xylene	ND		25	50	04/10/07 18:40	RRH	2176218
Methyl tert-butyl ether	ND		200	50	04/10/07 18:40	RRH	2176218
Naphthalene	ND		250	50	04/10/07 18:40	RRH	2176218
C5-C8 Aliphatics (Unadjusted)	ND		4900	50	04/10/07 18:40	RRH	2176219
C9-C12 Aliphatics (Unadjusted)	ND		2500	50	04/10/07 18:40	RRH	2176219
C9-C10 Aromatics	ND		740	50	04/10/07 18:40	RRH	2176218
C5-C8 Aliphatics (Adjusted)	ND		4900	50	04/10/07 18:40	RRH	2176218
C9-C12 Aliphatics (Adjusted)	ND		2500	50	04/10/07 18:40	RRH	2176218
Surr: 2,5-Dibromotoluene	107	%	70-130	50	04/10/07 18:40	RRH	2176219
Surr: 2,5-Dibromotoluene	104	%	70-130	50	04/10/07 18:40	RRH	2176218

Prep Method	Prep Date	Prep Initials	Prep Factor
SW8015B	03/28/2007 13:30	Field	0.45

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

4/17/2007 10:42:44 AM



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: SB-4 (13')

Collected: 03/28/2007 14:30 SPL Sample ID: 07031143-07

Site: SUNOCO DUNS #0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
<b>PERCENT MOISTURE</b>				<b>MCL</b>	<b>D2216</b>	<b>Units: wt%</b>	
Percent Moisture	8.8		0.1	1	04/02/07 9:23	RDH	2165866
<b>POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL</b>				<b>MCL</b>	<b>SW8082</b>	<b>Units: mg/Kg-dry</b>	
Aroclor 1016	ND		0.036	1	04/03/07 23:11	RAH	2170893
Aroclor 1221	ND		0.036	1	04/03/07 23:11	RAH	2170893
Aroclor 1232	ND		0.036	1	04/03/07 23:11	RAH	2170893
Aroclor 1242	ND		0.036	1	04/03/07 23:11	RAH	2170893
Aroclor 1248	0.19		0.036	1	04/03/07 23:11	RAH	2170893
Aroclor 1254	ND		0.036	1	04/03/07 23:11	RAH	2170893
Aroclor 1260	ND		0.036	1	04/03/07 23:11	RAH	2170893
Surr: Decachlorobiphenyl	80.3	%	34-138	1	04/03/07 23:11	RAH	2170893
Surr: Tetrachloro-m-xylene	74.5	%	16-127	1	04/03/07 23:11	RAH	2170893

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	04/02/2007 14:48	JAP	1.00

<b>VOLATILE PETROLEUM HYDROCARBONS - SOIL</b>				<b>MCL_VPH_EPH_ALL</b>	<b>Units: ug/Kg-dry</b>	
Benzene	26		26	50	04/10/07 19:10	RRH 2176344
Toluene	79		26	50	04/10/07 19:10	RRH 2176344
Ethylbenzene	ND		26	50	04/10/07 19:10	RRH 2176344
m,p-Xylene	ND		51	50	04/10/07 19:10	RRH 2176344
o-Xylene	ND		26	50	04/10/07 19:10	RRH 2176344
Methyl tert-butyl ether	ND		210	50	04/10/07 19:10	RRH 2176344
Naphthalene	ND		260	50	04/10/07 19:10	RRH 2176344
C5-C8 Aliphatics (Unadjusted)	ND		5100	50	04/10/07 19:10	RRH 2176345
C9-C12 Aliphatics (Unadjusted)	ND		2600	50	04/10/07 19:10	RRH 2176345
C9-C10 Aromatics	ND		770	50	04/10/07 19:10	RRH 2176344
C5-C8 Aliphatics (Adjusted)	ND		5100	50	04/10/07 19:10	RRH 2176344
C9-C12 Aliphatics (Adjusted)	ND		2600	50	04/10/07 19:10	RRH 2176344
Surr: 2,5-Dibromotoluene	106	%	70-130	50	04/10/07 19:10	RRH 2176345
Surr: 2,5-Dibromotoluene	101	%	70-130	50	04/10/07 19:10	RRH 2176344

Prep Method	Prep Date	Prep Initials	Prep Factor
SW8015B	03/28/2007 14:30	Field	0.47

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

## *Quality Control Documentation*



Quality Control Report

LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

SUNOCO, INC  
WESTFIELD, MA

Analysis: PERCENT MOISTURE  
Method: D2216

WorkOrder: 07031143  
Lab Batch ID: R149264

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07031143-01B	MW-101 (15')
07031143-02B	MW-102 (15')
07031143-03B	MW-103 (15')
07031143-04B	SB-1 (14')
07031143-05B	SB-2 (14')
07031143-06B	SB-3 (13')
07031143-07B	SB-4 (13')

Sample Duplicate

Original Sample: 07031143-07  
RunID: WET\_070402A-2165866 Units: wt%  
Analysis Date: 04/02/2007 9:23 Analyst: RDH

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Percent Moisture	8.8	9.69	9.3	20

Qualifiers: ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
J - Estimated value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.  
TN/C - Too numerous to count

MI - Matrix Interference  
D - Recovery Unreportable due to Dilution  
\* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/17/2007 10:42:46 AM



# Quality Control Report

LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

## SUNOCO, INC WESTFIELD, MA

Analysis: Polychlorinated Biphenyls by Method 8082 - soil  
Method: SW8082

WorkOrder: 07031143  
Lab Batch ID: 57777

### Method Blank

RunID: PEST\_070403A-2169996 Units: mg/Kg  
Analysis Date: 04/03/2007 19:22 Analyst: RAH  
Preparation Date: 04/02/2007 14:48 Prep By: JAP Method SW3550B

### Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07031143-01B	MW-101 (15')
07031143-02B	MW-102 (15')
07031143-03B	MW-103 (15')
07031143-04B	SB-1 (14')
07031143-05B	SB-2 (14')
07031143-06B	SB-3 (13')
07031143-07B	SB-4 (13')

Analyte	Result	Rep Limit
Aroclor 1016	ND	0.033
Aroclor 1221	ND	0.033
Aroclor 1232	ND	0.033
Aroclor 1242	ND	0.033
Aroclor 1248	ND	0.033
Aroclor 1254	ND	0.033
Aroclor 1260	ND	0.033
Surr: Decachlorobiphenyl	84.5	34-138
Surr: Tetrachloro-m-xylene	65.5	16-127

### Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: PEST\_070403A-2169997 Units: mg/Kg  
Analysis Date: 04/03/2007 19:40 Analyst: RAH  
Preparation Date: 04/02/2007 14:48 Prep By: JAP Method SW3550B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Aroclor 1016	0.330	0.269	81.6	0.330	0.274	82.9	1.6	32	49	117
Aroclor 1260	0.330	0.321	97.2	0.330	0.332	101	3.5	25	56	124
Surr: Decachlorobiphenyl	0.0330	0.0284	86.1	0.0330	0.0282	85.5	0.7	30	34	138
Surr: Tetrachloro-m-xylene	0.0330	0.0237	71.8	0.0330	0.0273	82.7	14.1	30	16	127

### Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 07031101-18  
RunID: PEST\_070403A-2169999 Units: mg/Kg  
Analysis Date: 04/03/2007 20:15 Analyst: RAH  
Preparation Date: 04/02/2007 14:48 Prep By: JAP Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aroclor 1016	ND	0.33	0.274	83.0	0.33	0.251	76.0	8.84	36	29	128

**Qualifiers:** ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
J - Estimated value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.  
TNTC - Too numerous to count

MI - Matrix Interference  
D - Recovery Unreportable due to Dilution  
\* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/17/2007 10:42:46 AM



# Quality Control Report

LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

SUNOCO, INC  
WESTFIELD, MA

Analysis: Polychlorinated Biphenyls by Method 8082 - soil  
Method: SW8082

WorkOrder: 07031143  
Lab Batch ID: 57777

## Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 07031101-18  
RunID: PEST\_070403A-2169999 Units: mg/Kg  
Analysis Date: 04/03/2007 20:15 Analyst: RAH  
Preparation Date: 04/02/2007 14:48 Prep By: JAP Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Aroclor 1260	ND	0.33	0.349	106	0.33	0.328	99.5	6.14	34	55	120
Surr: Decachlorobiphenyl	ND	0.033	0.0371	112	0.033	0.0358	108	3.57	30	34	138
Surr: Tetrachloro-m-xylene	ND	0.033	0.0263	79.7	0.033	0.0223	67.6	16.5	30	16	127

**Qualifiers:** ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
J - Estimated value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.  
TNTC - Too numerous to count  
MI - Matrix Interference  
D - Recovery Unreportable due to Dilution  
\* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/17/2007 10:42:46 AM





# Quality Control Report

LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

SUNOCO, INC  
WESTFIELD, MA

Analysis: Volatile Petroleum Hydrocarbons - soil  
Method: MA\_VPH\_EPH\_ALL

WorkOrder: 07031143  
Lab Batch ID: R149921

## Method Blank

RunID: HPDD\_070409C-2176209 Units: ug/Kg  
Analysis Date: 04/10/2007 16:12 Analyst: RRH

Analyte	Result	Rep Limit
C5-C8 Aliphatics (Unadjusted)	ND	200
C9-C12 Aliphatics (Unadjusted)	ND	100
Surr: 2,5-Dibromotoluene	111.4	70-130

## Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07031143-01A	MW-101 (15')
07031143-02A	MW-102 (15')
07031143-03A	MW-103 (15')
07031143-04A	SB-1 (14')
07031143-05A	SB-2 (14')
07031143-06A	SB-3 (13')
07031143-07A	SB-4 (13')

## Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPDD\_070409C-2176205 Units: ug/Kg  
Analysis Date: 04/10/2007 14:29 Analyst: RRH

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C5-C8 Aliphatics (Unadjusted)	300	343	114	300	324	108	5.8	20	70	130
C9-C12 Aliphatics (Unadjusted)	220	265	120	220	244	111	8.0	20	70	130
Surr: 2,5-Dibromotoluene	100	114	114	100	112	112	2.1	30	70	130

Qualifiers: ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
J - Estimated value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.  
TNTC - Too numerous to count  
MI - Matrix Interference  
D - Recovery Unreportable due to Dilution  
\* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/17/2007 10:42:47 AM



# Quality Control Report

LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

SUNOCO, INC  
WESTFIELD, MA

Analysis: Volatile Petroleum Hydrocarbons - soil  
Method: MA\_VPH\_EPH\_ALL

WorkOrder: 07031143  
Lab Batch ID: R149921

## Method Blank

RunID: HPDD\_070409C-2176208 Units: ug/Kg  
Analysis Date: 04/10/2007 16:12 Analyst: RRH

Analyte	Result	Rep Limit
Benzene	ND	1.0
C5-C8 Aliphatics (Adjusted)	ND	200
C9-C10 Aromatics	ND	30
C9-C12 Aliphatics (Adjusted)	ND	100
Ethylbenzene	ND	1.0
m,p-Xylene	ND	2.0
Methyl tert-butyl ether	ND	8.0
Naphthalene	ND	10
o-Xylene	ND	1.0
Toluene	ND	1.0
Surr: 2,5-Dibromotoluene	107.9	70-130

## Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07031143-01A	MW-101 (15')
07031143-02A	MW-102 (15')
07031143-03A	MW-103 (15')
07031143-04A	SB-1 (14')
07031143-05A	SB-2 (14')
07031143-06A	SB-3 (13')
07031143-07A	SB-4 (13')

## Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPDD\_070409C-2176204 Units: ug/Kg  
Analysis Date: 04/10/2007 14:29 Analyst: RRH

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzene	25.0	20.5	82.1	25.0	20.1	80.6	1.8	19	70	130
C9-C10 Aromatics	40.0	50.5	126	40.0	47.0	117	7.2	20	70	130
Ethylbenzene	25.0	21.8	87.0	25.0	21.0	83.8	3.7	17.6	70	130
m,p-Xylene	100	92.0	92.0	100	89.0	89.0	3.4	17.4	70	130
Methyl tert-butyl ether	75.0	63.7	85.0	75.0	64.6	86.1	1.3	25.8	70	130
Naphthalene	50.0	49.7	99.4	50.0	46.9	93.9	5.7	27.4	70	130
o-Xylene	50.0	43.4	86.7	50.0	42.4	84.7	2.3	17.9	70	130
Toluene	75.0	63.9	85.2	75.0	62.9	83.8	1.6	17.5	70	130
Surr: 2,5-Dibromotoluene	100	113	113	100	110	110	2.5	30	70	130

**Qualifiers:** ND/U - Not Detected at the Reporting Limit  
B - Analyte detected in the associated Method Blank  
J - Estimated value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.  
TNTC - Too numerous to count  
MI - Matrix Interference  
D - Recovery Unreportable due to Dilution  
\* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

4/17/2007 10:42:47 AM



RECIPIENT: PEEL HERE

**FedEx. US Airbill**

Express

Tracking Number **8597 0196 6957**

1 From This portion may be removed for Recipient's records.

Date **8/29/07** FedEx Tracking Number **859701966957**

Sender's Name **Matt Bowling** Phone **508 835-8322**

Company **Corporate Environmental Advisors**

Address **127 Kentfield St**

City **West Brighton** State **MA** ZIP **01585**

2 Your Internal Billing Reference

3 To Recipient's SHIPPING AND RECEIVING Phone **337 237-4775**

Company **SOUTHERN TELEVISION LLC**

Recipient's Address **4404 13700A CAPTAIN PERRY**

City **COIT** State **LA** ZIP **70585-5200**

Address **0347995545**

City **COIT** State **LA** ZIP **70585-5200**



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☐ SATURDAY Delivery ☐ HOLD Saturday

7 Payment

☐ Sender's Account ☐ Recipient's Account

8 NEW Residential Delivery Signature Options

☐ No Signature ☐ Direct Signature

519



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Case Narrative for:  
**SUNOCO, INC**

Certificate of Analysis Number:

**07070465**

<b>Report To:</b>  CORPORATE ENVIRONMENTAL ADVISORS, INC. Debra A. Zukauskas 127 HARTWELL ST.  WEST BOYLESTON MA 01583- ph: (508) 835-8822      fax:	<b>Project Name:</b> 88-90 SOUTH MAPLE STREET <b>Site:</b> SUNOCO WESTFIELD - DUNS#0374-559 <b>Site Address:</b>  <b>PO Number:</b> <b>State:</b> Massachusetts <b>State Cert. No.:</b> M-LA013 <b>Date Reported:</b>
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Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data for those samples spiked by the laboratory and may be applicable to other samples of similar matrix from the site. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples.

The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

**EXCEPTION:**

Volatile Petroleum Hydrocarbons-Method MADEP VPH: Recovery of C9-C10 Aromatics in the LCS sample for Lab Batch ID: R157353 exceeded the UCLs. The LCSD sample recoveries were all within SPLs derived advisory QC limits. The results reported for the samples listed in this batch may include a positive bias. These results should be considered as maximum estimate concentrations.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

TOTAL NUMBER OF PAGES IN THIS REPORT: \_\_\_\_\_ PAGES

Alberto E. Granados  
Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

7/23/2007

Date



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

**SUNOCO, INC**

Certificate of Analysis Number:

**07070465**

**Report To:** CORPORATE ENVIRONMENTAL ADVISORS, INC.

Debra A. Zukauskas  
127 HARTWELL ST.

WEST BOYLESTON  
MA

01583-

ph: (508) 835-8822

fax:

**Fax To:**

**Project Name:** 88-90 SOUTH MAPLE STREET

**Site:** SUNOCO WESTFIELD - DUNS#0374-559

**Site Address:**

**PO Number:**

**State:** Massachusetts

**State Cert. No.:** M-LA013

**Date Reported:**

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-1	07070465-01	Water	7/12/2007 10:00:00 AM	7/13/2007 10:00:00 AM		<input type="checkbox"/>
MW-5	07070465-02	Water	7/12/2007 10:30:00 AM	7/13/2007 10:00:00 AM		<input type="checkbox"/>
MW-6	07070465-03	Water	7/12/2007 9:10:00 AM	7/13/2007 10:00:00 AM		<input type="checkbox"/>
MW-101	07070465-04	Water	7/12/2007 12:00:00 PM	7/13/2007 10:00:00 AM		<input type="checkbox"/>
MW-102	07070465-05	Water	7/12/2007 11:30:00 AM	7/13/2007 10:00:00 AM		<input type="checkbox"/>
MW-201	07070465-06	Water	7/12/2007 10:15:00 AM	7/13/2007 10:00:00 AM		<input type="checkbox"/>
MW-202	07070465-07	Water	7/12/2007 9:30:00 AM	7/13/2007 10:00:00 AM		<input type="checkbox"/>
MW-204	07070465-08	Water	7/12/2007 8:40:00 AM	7/13/2007 10:00:00 AM		<input type="checkbox"/>

Alberto E. Granados  
Project Manager

7/23/2007

Date

Ron Benjamin  
Laboratory Director

Tristan Davis  
Quality Assurance Officer





LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: MW-1

Collected: 07/12/2007 10:00 SPL Sample ID: 07070465-01

Site: SUNOCO WESTFIELD - DUNS#0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE PETROLEUM HYDROCARBONS (WATER)				MCL VPH EPH ALL	Units: ug/L		
Benzene	ND		1	1	07/17/07 17:33	RRH	2299577
Toluene	ND		1	1	07/17/07 17:33	RRH	2299577
Ethylbenzene	ND		1	1	07/17/07 17:33	RRH	2299577
m,p-Xylene	ND		2	1	07/17/07 17:33	RRH	2299577
o-Xylene	ND		1	1	07/17/07 17:33	RRH	2299577
Methyl tert-butyl ether	ND		8	1	07/17/07 17:33	RRH	2299577
Naphthalene	ND		10	1	07/17/07 17:33	RRH	2299577
C5-C8 Aliphatics (Unadjusted)	ND		200	1	07/17/07 17:33	RRH	2299578
C9-C12 Aliphatics (Unadjusted)	ND		100	1	07/17/07 17:33	RRH	2299578
C9-C10 Aromatics	ND		30	1	07/17/07 17:33	RRH	2299577
C5-C8 Aliphatics (Adjusted)	ND		200	1	07/17/07 17:33	RRH	2299577
C9-C12 Aliphatics (Adjusted)	ND		100	1	07/17/07 17:33	RRH	2299577
Surr: 2,5-Dibromotoluene	88.0	%	70-130	1	07/17/07 17:33	RRH	2299578
Surr: 2,5-Dibromotoluene	83.4	%	70-130	1	07/17/07 17:33	RRH	2299577

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit  
B/V - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

7/23/2007 3:33:17 PM



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: MW-5

Collected: 07/12/2007 10:30 SPL Sample ID: 07070465-02

Site: SUNOCO WESTFIELD - DUNS#0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE PETROLEUM HYDROCARBONS (WATER)				MCL_VPH_EPH_ALL	Units: ug/L		
Benzene	ND		1	1	07/17/07 18:01	RRH	2299579
Toluene	ND		1	1	07/17/07 18:01	RRH	2299579
Ethylbenzene	ND		1	1	07/17/07 18:01	RRH	2299579
m,p-Xylene	ND		2	1	07/17/07 18:01	RRH	2299579
o-Xylene	ND		1	1	07/17/07 18:01	RRH	2299579
Methyl tert-butyl ether	ND		8	1	07/17/07 18:01	RRH	2299579
Naphthalene	ND		10	1	07/17/07 18:01	RRH	2299579
C5-C8 Aliphatics (Unadjusted)	ND		200	1	07/17/07 18:01	RRH	2299580
C9-C12 Aliphatics (Unadjusted)	ND		100	1	07/17/07 18:01	RRH	2299580
C9-C10 Aromatics	ND		30	1	07/17/07 18:01	RRH	2299579
C5-C8 Aliphatics (Adjusted)	ND		200	1	07/17/07 18:01	RRH	2299579
C9-C12 Aliphatics (Adjusted)	ND		100	1	07/17/07 18:01	RRH	2299579
Surr: 2,5-Dibromotoluene	85.4		% 70-130	1	07/17/07 18:01	RRH	2299580
Surr: 2,5-Dibromotoluene	82.4		% 70-130	1	07/17/07 18:01	RRH	2299579

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit  
B/V - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

7/23/2007 3:33:17 PM



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: MW-6

Collected: 07/12/2007 9:10

SPL Sample ID: 07070465-03

Site: SUNOCO WESTFIELD - DUNS#0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE PETROLEUM HYDROCARBONS (WATER)				MCL_VPH	EPH	ALL	Units: ug/L
Benzene	ND		1	1	07/17/07 18:30	RRH	2299581
Toluene	ND		1	1	07/17/07 18:30	RRH	2299581
Ethylbenzene	ND		1	1	07/17/07 18:30	RRH	2299581
m,p-Xylene	ND		2	1	07/17/07 18:30	RRH	2299581
o-Xylene	ND		1	1	07/17/07 18:30	RRH	2299581
Methyl tert-butyl ether	1800		40	5	07/19/07 1:20	RRH	2299656
Naphthalene	ND		10	1	07/17/07 18:30	RRH	2299581
C5-C8 Aliphatics (Unadjusted)	1700		200	1	07/17/07 18:30	RRH	2299582
C9-C12 Aliphatics (Unadjusted)	ND		100	1	07/17/07 18:30	RRH	2299582
C9-C10 Aromatics	ND		30	1	07/17/07 18:30	RRH	2299581
C5-C8 Aliphatics (Adjusted)	ND		200	1	07/17/07 18:30	RRH	2299581
C9-C12 Aliphatics (Adjusted)	ND		100	1	07/17/07 18:30	RRH	2299581
Surr: 2,5-Dibromotoluene	83.0	%	70-130	5	07/19/07 1:20	RRH	2299656
Surr: 2,5-Dibromotoluene	86.2	%	70-130	1	07/17/07 18:30	RRH	2299582
Surr: 2,5-Dibromotoluene	82.7	%	70-130	1	07/17/07 18:30	RRH	2299581

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit  
B/V - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

7/23/2007 3:33:17 PM



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: MW-101

Collected: 07/12/2007 12:00 SPL Sample ID: 07070465-04

Site: SUNOCO WESTFIELD - DUNS#0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE PETROLEUM HYDROCARBONS (WATER)			MCL	VPH	EPH	ALL	Units: ug/L
Benzene	ND		1	1	07/17/07 18:58	RRH	2299583
Toluene	ND		1	1	07/17/07 18:58	RRH	2299583
Ethylbenzene	ND		1	1	07/17/07 18:58	RRH	2299583
m,p-Xylene	ND		2	1	07/17/07 18:58	RRH	2299583
o-Xylene	ND		1	1	07/17/07 18:58	RRH	2299583
Methyl tert-butyl ether	ND		8	1	07/17/07 18:58	RRH	2299583
Naphthalene	ND		10	1	07/17/07 18:58	RRH	2299583
C5-C8 Aliphatics (Unadjusted)	ND		200	1	07/17/07 18:58	RRH	2299584
C9-C12 Aliphatics (Unadjusted)	ND		100	1	07/17/07 18:58	RRH	2299584
C9-C10 Aromatics	ND		30	1	07/17/07 18:58	RRH	2299583
C5-C8 Aliphatics (Adjusted)	ND		200	1	07/17/07 18:58	RRH	2299583
C9-C12 Aliphatics (Adjusted)	ND		100	1	07/17/07 18:58	RRH	2299583
Surr. 2,5-Dibromotoluene	89.6		% 70-130	1	07/17/07 18:58	RRH	2299584
Surr. 2,5-Dibromotoluene	81.9		% 70-130	1	07/17/07 18:58	RRH	2299583

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

\* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

7/23/2007 3:33:17 PM



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: MW-102

Collected: 07/12/2007 11:30 SPL Sample ID: 07070465-05

Site: SUNOCO WESTFIELD - DUNS#0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE PETROLEUM HYDROCARBONS (WATER)			MCL_VPH_EPH_ALL		Units: ug/L		
Benzene	ND		1	1	07/17/07 19:27	RRH	2299585
Toluene	ND		1	1	07/17/07 19:27	RRH	2299585
Ethylbenzene	ND		1	1	07/17/07 19:27	RRH	2299585
m,p-Xylene	ND		2	1	07/17/07 19:27	RRH	2299585
o-Xylene	ND		1	1	07/17/07 19:27	RRH	2299585
Methyl tert-butyl ether	ND		8	1	07/17/07 19:27	RRH	2299585
Naphthalene	ND		10	1	07/17/07 19:27	RRH	2299585
C5-C8 Aliphatics (Unadjusted)	ND		200	1	07/17/07 19:27	RRH	2299586
C9-C12 Aliphatics (Unadjusted)	ND		100	1	07/17/07 19:27	RRH	2299586
C9-C10 Aromatics	ND		30	1	07/17/07 19:27	RRH	2299585
C5-C8 Aliphatics (Adjusted)	ND		200	1	07/17/07 19:27	RRH	2299585
C9-C12 Aliphatics (Adjusted)	ND		100	1	07/17/07 19:27	RRH	2299585
Surr: 2,5-Dibromotoluene	86.8		% 70-130	1	07/17/07 19:27	RRH	2299586
Surr: 2,5-Dibromotoluene	85.1		% 70-130	1	07/17/07 19:27	RRH	2299585

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit  
B/V - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

7/23/2007 3:33:17 PM



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: MW-201

Collected: 07/12/2007 10:15 SPL Sample ID: 07070465-06

Site: SUNOCO WESTFIELD - DUNS#0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE PETROLEUM HYDROCARBONS (WATER)				MCL_VPH_EPH_ALL	Units: ug/L		
Benzene	ND		1	1	07/17/07 19:55	RRH	2299587
Toluene	ND		1	1	07/17/07 19:55	RRH	2299587
Ethylbenzene	ND		1	1	07/17/07 19:55	RRH	2299587
m,p-Xylene	ND		2	1	07/17/07 19:55	RRH	2299587
o-Xylene	ND		1	1	07/17/07 19:55	RRH	2299587
Methyl tert-butyl ether	ND		8	1	07/17/07 19:55	RRH	2299587
Naphthalene	ND		10	1	07/17/07 19:55	RRH	2299587
C5-C8 Aliphatics (Unadjusted)	ND		200	1	07/17/07 19:55	RRH	2299589
C9-C12 Aliphatics (Unadjusted)	ND		100	1	07/17/07 19:55	RRH	2299589
C9-C10 Aromatics	ND		30	1	07/17/07 19:55	RRH	2299587
C5-C8 Aliphatics (Adjusted)	ND		200	1	07/17/07 19:55	RRH	2299587
C9-C12 Aliphatics (Adjusted)	ND		100	1	07/17/07 19:55	RRH	2299587
Surr: 2,5-Dibromotoluene	87.3		% 70-130	1	07/17/07 19:55	RRH	2299589
Surr: 2,5-Dibromotoluene	84.3		% 70-130	1	07/17/07 19:55	RRH	2299587

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

\* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

7/23/2007 3:33:18 PM





LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: MW-202

Collected: 07/12/2007 9:30

SPL Sample ID: 07070465-07

Site: SUNOCO WESTFIELD - DUNS#0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE PETROLEUM HYDROCARBONS (WATER)				MCL VPH EPH ALL	Units: ug/L		
Benzene	ND		1	1	07/17/07 20:23	RRH	2299590
Toluene	ND		1	1	07/17/07 20:23	RRH	2299590
Ethylbenzene	ND		1	1	07/17/07 20:23	RRH	2299590
m,p-Xylene	ND		2	1	07/17/07 20:23	RRH	2299590
o-Xylene	ND		1	1	07/17/07 20:23	RRH	2299590
Methyl tert-butyl ether	ND		8	1	07/17/07 20:23	RRH	2299590
Naphthalene	ND		10	1	07/17/07 20:23	RRH	2299590
C5-C8 Aliphatics (Unadjusted)	ND		200	1	07/17/07 20:23	RRH	2299591
C9-C12 Aliphatics (Unadjusted)	ND		100	1	07/17/07 20:23	RRH	2299591
C9-C10 Aromatics	ND		30	1	07/17/07 20:23	RRH	2299590
C5-C8 Aliphatics (Adjusted)	ND		200	1	07/17/07 20:23	RRH	2299590
C9-C12 Aliphatics (Adjusted)	ND		100	1	07/17/07 20:23	RRH	2299590
Surr: 2,5-Dibromotoluene	87.2		% 70-130	1	07/17/07 20:23	RRH	2299591
Surr: 2,5-Dibromotoluene	82.3		% 70-130	1	07/17/07 20:23	RRH	2299590

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit

B/V - Analyte detected in the associated Method Blank

\* - Surrogate Recovery Outside Advisable QC Limits

J - Estimated Value between MDL and PQL

E - Estimated Value exceeds calibration curve

TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)

D - Surrogate Recovery Unreportable due to Dilution

MI - Matrix Interference

7/23/2007 3:33:18 PM



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

Client Sample ID: MW-204

Collected: 07/12/2007 8:40

SPL Sample ID: 07070465-08

Site: SUNOCO WESTFIELD - DUNS#0374-5593

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE PETROLEUM HYDROCARBONS (WATER)				MCL VPH EPH ALL	Units: ug/L		
Benzene	ND		1	1	07/17/07 20:51	RRH	2299592
Toluene	ND		1	1	07/17/07 20:51	RRH	2299592
Ethylbenzene	ND		1	1	07/17/07 20:51	RRH	2299592
m,p-Xylene	ND		2	1	07/17/07 20:51	RRH	2299592
o-Xylene	ND		1	1	07/17/07 20:51	RRH	2299592
Methyl tert-butyl ether	ND		8	1	07/17/07 20:51	RRH	2299592
Naphthalene	ND		10	1	07/17/07 20:51	RRH	2299592
C5-C8 Aliphatics (Unadjusted)	ND		200	1	07/17/07 20:51	RRH	2299593
C9-C12 Aliphatics (Unadjusted)	ND		100	1	07/17/07 20:51	RRH	2299593
C9-C10 Aromatics	ND		30	1	07/17/07 20:51	RRH	2299592
C5-C8 Aliphatics (Adjusted)	ND		200	1	07/17/07 20:51	RRH	2299592
C9-C12 Aliphatics (Adjusted)	ND		100	1	07/17/07 20:51	RRH	2299592
Surr: 2,5-Dibromotoluene	84.0		% 70-130	1	07/17/07 20:51	RRH	2299593
Surr: 2,5-Dibromotoluene	82.5		% 70-130	1	07/17/07 20:51	RRH	2299592

**Qualifiers:**

ND/U - Not Detected at the Reporting Limit  
B/V - Analyte detected in the associated Method Blank  
\* - Surrogate Recovery Outside Advisable QC Limits  
J - Estimated Value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)  
D - Surrogate Recovery Unreportable due to Dilution  
MI - Matrix Interference

7/23/2007 3:33:18 PM

## *Quality Control Documentation*



# Quality Control Report

LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

SUNOCO, INC  
88-90 SOUTH MAPLE STREET

Analysis: Volatile Petroleum Hydrocarbons (water)  
Method: MA\_VPH\_EPH\_ALL

WorkOrder: 07070465  
Lab Batch ID: R157353

## Method Blank

RunID: HPCC\_070717G-2299576 Units: ug/L  
Analysis Date: 07/17/2007 17:04 Analyst: RRH

Analyte	Result	Rep Limit
C5-C8 Aliphatics (Unadjusted)	ND	200
C9-C12 Aliphatics (Unadjusted)	ND	100
Surr: 2,5-Dibromotoluene	89.7	70-130

## Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07070465-01A	MW-1
07070465-02A	MW-5
07070465-03A	MW-6
07070465-04A	MW-101
07070465-05A	MW-102
07070465-06A	MW-201
07070465-07A	MW-202
07070465-08A	MW-204

## Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPCC\_070717G-2299572 Units: ug/L  
Analysis Date: 07/17/2007 15:33 Analyst: RRH

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
C5-C8 Aliphatics (Unadjusted)	300	279	93.1	300	267	88.8	4.7	20	70	130
C9-C12 Aliphatics (Unadjusted)	220	223	101	220	214	97.4	4.0	20	70	130
Surr: 2,5-Dibromotoluene	100	89.1	89.1	100	88.9	88.9	0.2	30	70	130

**Qualifiers:** ND/U - Not Detected at the Reporting Limit  
B/V - Analyte detected in the associated Method Blank  
J - Estimated value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.  
TN/C - Too numerous to count  
MI - Matrix Interference  
D - Recovery Unreportable due to Dilution  
\* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/23/2007 3:33:19 PM



# Quality Control Report

LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

SUNOCO, INC  
88-90 SOUTH MAPLE STREET

Analysis: Volatile Petroleum Hydrocarbons (water)  
Method: MA\_VPH\_EPH\_ALL

WorkOrder: 07070465  
Lab Batch ID: R157353

## Method Blank

RunID: HPCC\_070717G-2299575 Units: ug/L  
Analysis Date: 07/17/2007 17:04 Analyst: RRH

## Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
07070465-01A	MW-1
07070465-02A	MW-5
07070465-03A	MW-6
07070465-04A	MW-101
07070465-05A	MW-102
07070465-06A	MW-201
07070465-07A	MW-202
07070465-08A	MW-204

Analyte	Result	Rep Limit
Benzene	ND	1.0
C5-C8 Aliphatics (Adjusted)	ND	200
C9-C10 Aromatics	ND	30
C9-C12 Aliphatics (Adjusted)	ND	100
Ethylbenzene	ND	1.0
m,p-Xylene	ND	2.0
Methyl tert-butyl ether	ND	8.0
Naphthalene	ND	10
o-Xylene	ND	1.0
Toluene	ND	1.0
Surr: 2,5-Dibromotoluene	83.8	70-130

## Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPCC\_070717G-2299571 Units: ug/L  
Analysis Date: 07/17/2007 15:33 Analyst: RRH

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzene	25.0	18.3	73.4	25.0	17.6	70.4	4.2	19	70	130
C9-C10 Aromatics	40.0	55.8	140 *	40.0	46.8	117	17.6	20	70	130
Ethylbenzene	25.0	19.7	78.8	25.0	19.5	78.0	1.0	17.6	70	130
m,p-Xylene	100	82.2	82.2	100	80.5	80.5	2.1	17.4	70	130
Methyl tert-butyl ether	75.0	52.7	70.3	75.0	52.7	70.3	0.1	25.8	70	130
Naphthalene	50.0	38.0	76.0	50.0	37.0	74.0	2.6	27.4	70	130
o-Xylene	50.0	39.5	78.9	50.0	38.6	77.2	2.1	17.9	70	130
Toluene	75.0	57.7	76.9	75.0	56.6	75.5	1.9	17.5	70	130
Surr: 2,5-Dibromotoluene	100	93.8	93.8	100	88.5	88.5	5.8	30	70	130

**Qualifiers:** ND/U - Not Detected at the Reporting Limit  
B/V - Analyte detected in the associated Method Blank  
J - Estimated value between MDL and PQL  
E - Estimated Value exceeds calibration curve  
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.  
TNTC - Too numerous to count

MI - Matrix Interference  
D - Recovery Unreportable due to Dilution  
\* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/23/2007 3:33:19 PM



# Quality Control Report

LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

SUNOCO, INC  
88-90 SOUTH MAPLE STREET

Analysis: Volatile Petroleum Hydrocarbons (water)  
Method: MA\_VPH\_EPH\_ALL

WorkOrder: 07070465  
Lab Batch ID: R157356

## Method Blank

RunID: HPCC\_070717H-2299655 Units: ug/L  
Analysis Date: 07/19/2007 0:51 Analyst: RRH

## Samples in Analytical Batch:

Lab Sample ID Client Sample ID  
07070465-03A MW-6

Analyte	Result	Rep Limit
Methyl tert-butyl ether	ND	8.0
Surr: 2,5-Dibromotoluene	83.8	70-130

## Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HPCC\_070717H-2299657 Units: ug/L  
Analysis Date: 07/19/2007 10:25 Analyst: RRH

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Methyl tert-butyl ether	75.0	52.6	70.2	75.0	52.7	70.3	0.2	25.8	70	130
Surr: 2,5-Dibromotoluene	100	87.4	87.4	100	84.3	84.3	3.6	30	70	130

**Qualifiers:** ND/U - Not Detected at the Reporting Limit MI - Matrix Interference  
B/V - Analyte detected in the associated Method Blank D - Recovery Unreportable due to Dilution  
J - Estimated value between MDL and PQL \* - Recovery Outside Advisable QC Limits  
E - Estimated Value exceeds calibration curve  
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.  
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

7/23/2007 3:33:20 PM



*Sample Receipt Checklist  
And  
Chain of Custody*



LAFAYETTE LABORATORY  
500 AMBASSADOR CAFFERY PARKWAY  
SCOTT, LA 70583  
(337) 237-4775

**Sample Receipt Checklist**

Workorder:	07070465	Received By:	JM
Date and Time Received:	7/13/2007 10:00:00 AM	Carrier name:	FedEx-Pri 1 Day AM
Temperature:	3.5°C	Chilled by:	Water Ice

- |  |   |  |  |
|--|---|--|--|
| 1. Shipping container/cooler in good condition?              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | Not Present <input type="checkbox"/>               |
| 2. Custody seals intact on shipping container/cooler?        | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> | Not Present <input type="checkbox"/>               |
| 3. Custody seals intact on sample bottles?                   | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> | Not Present <input type="checkbox"/>               |
| 4. Chain of custody present?                                 | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 5. Chain of custody signed when relinquished and received?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 6. Chain of custody agrees with sample labels?               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 7. Samples in proper container/bottle?                       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 8. Sample containers intact?                                 | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 9. Sufficient sample volume for indicated test?              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 10. All samples received within holding time?                | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 11. Container/Temp Blank temperature in compliance?          | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 12. Water - VOA vials have zero headspace?                   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | VOA Vials Not Present <input type="checkbox"/>     |
| 13. Water - Preservation checked upon receipt (except VOA*)? | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | Not Applicable <input checked="" type="checkbox"/> |

\*VOA Preservation Checked After Sample Analysis

SPL Representative:   
Client Name Contacted:

Contact Date & Time:

Non Conformance Issues:

Client Instructions:



# Chain of Custody Record

Sunoco DUNS #: 0374-5593

Region:

State or Lead Regulatory Agency: MADEP

Requested Due Date (mm/dd/yy):

COC Tracking Number:

Lab Name: Southern Petroleum Laboratories  
Address: 500 Ambassador Caffery Parkway  
Scott, LA 70583  
Lab PM: Fax: 717-656-2681  
Report Type & QC Level: USEPA Region 5 EDMAN no QC  
E-mail EDD To: SunocoENFOS@deltaenv.com

Facility Address: 88-90 South Maple Street  
Facility City, State: Westfield MA  
Site Lat/Long:  
Sunoco PM Contact: Bill Brochu  
Address: 4 Bellows Rd, PO Box 1262,  
Westborough, MA 01581  
Tele/Fax: (800) 777-6444 x1357

Consultant/Contractor: CEA  
Address: 127 Hartwell Street  
W. Boylston, MA 01583  
Consultant/Contractor Project No.: 4776-01  
Consultant/Contractor PM: Scott VanderSea  
Tele/Fax: (508) 835-8822  
Invoice to:

Item No.	Sample Description	Time	Date	Matrix	
				Liquid	Soil
1	MW-1	10:00	7-17-07	X	
2	MW-3B			X	
3	MW-4			X	
4	MW-5	10:30		X	
5	MW-6	9:10		X	
6	MW-101	12:00		X	
7	MW-102	11:30		X	
8	MW-201	10:15		X	
9	MW-202	9:30		X	
10	MW-203			X	
11	MW-204	8:40		X	
12					

Laboratory No.	No. of Containers	Preservative		Requested Analysis										Sample Point Lat/Long and Comments
		MeOH	None	HC	VP									
	3			3	X									
	0			0	X									
	0			0	X									
	3			3	X									
	3			3	X									
	3			3	X									
	3			3	X									
	3			3	X									
	3			3	X									
	3			3	X									
	3			3	X									
	0			0	X									
	3			3	X									

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
MW PM CEA, Inc.	7-12-07	7:30			
Rede	7/13/07	1000	J. Mallet	7/13/07	1000

Sampler's Name: Bush + Markell  
Sampler's Company: CEA  
Shipment Date: 7-12-07  
Shipment Method: FedEx - Overnight  
Shipment Tracking No: 8619 6077 5034

Special Instructions:

Must meet MADEP GW-1 Groundwater Standards, Email laboratory analytical report to daznkauskas@cea-inc.com  
Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt OF/C Trip Blank Yes No

On-site Time: Temp:  
Off-site Time: Temp:  
Sky Conditions:  
Meteorological Events:  
Wind Speed: Direc:

000

**FedEx**. US Airbill

Express

8619 6077 5034

RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records

Date 5-19-01 FedEx Tracking Number 861960775034

Sender's Name JLC + SCSN Phone 388 825 4822

Company CELIX

Address 137 Hactuell Street

2 Your Internal Billing Reference

3 To Recipient's SHIPPING AND RECEIVING Phone 387 227-0776

Company SOUTHERN PETROLEUM LAB

Address 5500 AMBASSADOR CAFEERY PKWY

City State LA Zip 70563-5000

Address To receive a package in this or another FedEx Service, please indicate here

City State LA Zip 70563-5000

**FedEx**

TRK# 8619 6077 5034

STANDARD OVERNIGHT

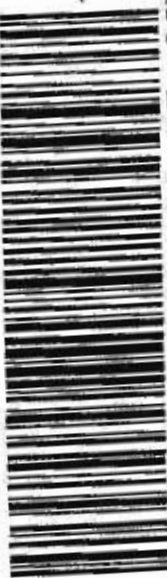
FRI - 13 JUL A2

XH-LFTA

70583

LFT

LA-US



Emp# 027263 12JUL07 OMHA

Recipient's Copy

4a Express Package Service

☐ FedEx Priority Overnight ☐ FedEx Standard Overnight

☐ FedEx 2Day ☐ FedEx Express Saver

4b Express Freight Service

☐ FedEx 1Day Freight ☐ FedEx 2Day Freight

5 Packaging

☐ FedEx ☐ FedEx Pak ☐ FedEx Box

5a Special Handling

☐ SATURDAY Delivery ☐ HOLD Saturday

7 Payment ☐ Bill Me ☐ Shippoint ☐ Third Party

8 Residential Delivery Signature Options

☐ No Signature ☐ Direct Signature

☐ Restricted Signature ☐ Indirect Signature

☐ Signature Required ☐ Signature Not Required

☐ Signature Not Required ☐ Signature Required

☐ Signature Not Required ☐ Signature Required

☐ Signature Not Required ☐ Signature Required

☐ Signature Not Required ☐ Signature Required

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☐ Signature Not Required ☐ Signature Required

FedEx.com 1-800-468-3339



COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WESTERN REGIONAL OFFICE

436 Dwight Street • Springfield, Massachusetts 01103 • (413) 784-1100

DEVAL L. PATRICK  
Governor

TIMOTHY P. MURRAY  
Lieutenant Governor

IAN A. BOWLES  
Secretary

LAURIE BURT  
Commissioner

March 17, 2009

Sunoco, Inc. (R&M)  
P.O. Box 1262  
Westborough, MA 01581

Attn: William Brochu, Engineer

Re: Westfield, RTN 1-15718 & 1-16079  
Sunoco Station  
88 - 90 South Maple Street  
IRA, PHI, RAO, & AUL

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**NOTICE OF AUDIT  
REQUEST FOR SITE INSPECTION  
REQUEST FOR INFORMATION**

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Dear Mr. Brochu:

On August 5, 1998, the Legislature enacted the "Brownfields Act" which provides new incentives for parties to clean up and reuse contaminated property in Massachusetts. The legislation also calls on the Department of Environmental Protection (the Department) to conduct targeted audits of all sites at which Activity and Use Limitations (AULs) have been implemented. The goal of these audits is to determine whether response actions performed at a site comply with the Massachusetts Contingency Plan, 310 CMR 40.0000 (MCP), and Chapter 21E. The Department's Bureau of Waste Site Cleanup has selected the above-referenced site for an audit.

An Audit Fact Sheet is attached (Attachment A) that outlines the audit process and provides the citations in the MCP that relate to the audit process. Audit staff from the Western Regional Office will primarily focus on the Response Action Outcome Statement dated March 28, 2008, and the Notice of AUL dated March 27, 2008, prepared by Scott VanderSea of Corporate Environmental Advisors, Inc. (CEA), the Licensed Site Professional (LSP)-of-Record, and received by the Department on April 7, 2008, for this audit evaluation. In addition, the following documents also prepared by Scott VanderSea are available in Department records for the site and may be evaluated during this audit:



- Immediate Response Action submittals received between June 24, 2005, and February 13, 2006.
- Bill of Lading submittals received on September 12, 2005, and December 20, 2007.
- Phase I Initial Site Investigation Report received on April 28, 2006.

The Department's evaluation of the site's compliance status will be based on the information provided in these documents. If you are aware of additional, existing documentation relevant to the response actions being audited at the site, please submit the existing documentation to the Department within 21 days of your receipt of this Notice. Any submittal made in response to this Notice must contain the attached Certification of Submittal per 310 CMR 40.0009 (Attachment B).

### **Request For Information**

The Department needs additional information to clarify the actions taken at the site and/or to verify the site's compliance with the MCP. A Request for Information is attached as Attachment C. You must prepare written responses to all questions and/or requests listed and submit them to the Department **within 21 days** of your receipt of this Notice. Your response must contain the attached Certification of Submittal (Attachment B), and follow the requirements outlined in the attached Request for Information. Send your response to this request, along with the required certification, to the undersigned.

The deadline given for a response to this Request for Information is an Interim Deadline enforceable under 310 CMR 40.0167. You may request an extension of this deadline in writing, but the Department is not required to grant extension requests.

### **Request For Site Inspection**

The Department requests an appointment to inspect the site **on Tuesday, March 31, 2009, at 11AM**. The inspection will be conducted by Rebecca Woolley. You or your representatives familiar with the site are requested to attend. The LSP-of-Record may also attend. Please call Rebecca Woolley within five (5) days of your receipt of this Notice at 413-755-2263 if you need to arrange an alternative date or time. The purpose of the inspection will be to evaluate the site conditions in relation to the information received by the Department, and to discuss the following issues identified during the Department's record review:

1. Characterization of the extent of polychlorinated biphenyl impacts.
2. Evaluation of the indoor air pathway.
3. Notice of AUL documentation requirements.
4. Data inputs to the Method 2 Hydrodynamic Dispersion Model.
5. Data Representativeness.

Preliminary audit findings based on the Department's file review may also be discussed during the site inspection.



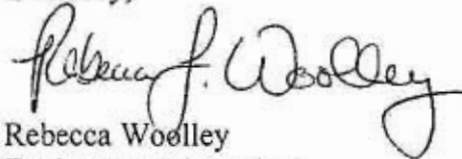
**Audit Results**

After the site inspection and review of your responses to the Request for Information, the Department will evaluate whether the actions taken at the site are in compliance with the regulations and meet the performance standards needed to protect public health, safety, and the environment. The Department's determination of compliance will be based on the work performed as of the date the Department received the submittal. You will receive a Notice of Audit Findings summarizing the results of the audit.

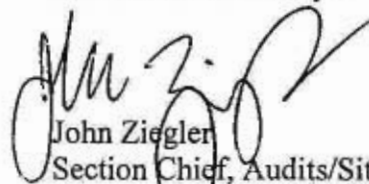
If the Department finds that response actions were not conducted in compliance with the MCP, you will be notified of the actions needed to return to compliance. The Department may set deadlines by which you will be expected to correct any violations, or the Department may pursue higher level enforcement.

If you have any questions about this Notice, please call Rebecca Woolley at 413-755-2263. The Department appreciates your anticipated cooperation in this matter.

Sincerely,



Rebecca Woolley  
Environmental Analyst



John Ziegler  
Section Chief, Audits/Site Management  
Bureau of Waste Site Cleanup

Certified Mail # 7007 0710 0003 2182 6411

Return Receipt Requested

**Attachments:**

- A. Audit Fact Sheet
- B. Certification of Submittal
- C. Request for Information

cc: Scott VanderSea, CEA, LSP-of-Record  
Westfield Chief Municipal Officer  
Westfield Health Department  
Denise Andler, WERO C&E  
Data Entry: AUDCOM/NOA, RFI/INTLET

## ATTACHMENT B

## CERTIFICATION OF SUBMITTAL (310 CMR 40.0009)

This certification must be included with your response to the Request for Information.

I, \_\_\_\_\_, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this submittal, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the person or entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate or incomplete information.

By:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

For:

\_\_\_\_\_  
Name of person or entity

RTN #: 1-15718 & 1-16079

**ATTACHMENT C****REQUEST FOR INFORMATION**

This Request for Information is addressed to Sunoco, Inc. (R&M), a Potentially Responsible Party for the Sunoco site, RTNs 1-15718 and 1-16079, located at 88-90 South Maple Street, Westfield.

Pursuant to M.G.L. Chapter 21E §§ 2, 4, and 8, 310 CMR 40.0165, and 310 CMR 40.1120(1), the Department requires you to provide the information requested below. You must prepare written responses to each item and deliver the responses to the Department **within 21 days** of your receipt of this Notice.

A separate response must be made to each of the questions in this Request for Information. Please label each answer with the number of the question to which it responds. Note that you must provide in writing any specific information that is responsive to the questions even if that information has not been written previously in any document.

This Request for Information is a continuing request. That is, if information requested here which is not known or available to you as of the date of your response later becomes known or available to you, you must forward the information to the Department at that time. In addition, if you discover at any time after submission of your response to this request that any portion of the information you have provided is false or misrepresents the truth, you must notify the Department immediately. You are obligated under 310 CMR 40.0165(2) to promptly provide the Department any information relevant to this Request for Information and correct any errors in your response to the Request for Information at any time in the future when you discover such information or errors. If you do not have any portion of the information requested in your possession, custody, or control, you should state this in your response and identify the persons from whom the information may be obtained. You must follow the procedure described in 310 CMR 40.0165(3) if you claim any information submitted is a trade secret or otherwise exempt from public disclosure.

**DO NOT IGNORE THIS REQUEST.** Failure to respond to this request or the submission of false or misleading information may subject you and your officers and employees to enforcement action by the Department.

You may consult with a Licensed Site Professional (LSP) when preparing a response to this request. *Note, however, that you, not the LSP, are obligated to respond to this request.*

**QUESTIONS**

1. The Immediate Response Action (IRA) Completion Report received by the Department on February 19, 2006, reported that approximately 10 cubic yards of stockpiled soils were disposed at Environmental Soil Management Inc. (ESMI) on January 9, 2006. The Department's files associated with both Release Tracking Numbers 1-16079 and 1-15718 did

not include the completed Bill of Lading (BOL) for this disposal event. Please submit the completed BOL and supporting documentation.

2. The Class A-3 Response Action Outcome (RAO) Statement received by the Department on April 7, 2008, relies on soil and groundwater analytical data generated in 2007. However, the RAO Report does not include the laboratory analytical data associated with soil samples collected on March 28 and June 25, 2007, and groundwater samples collected on July 12, 2007. Please submit copies of these analytical data reports.
3. A Method 2 Hydrodynamic Dispersion Model was included in the RAO Report. The maximum site-wide groundwater Exposure Point Concentrations (EPCs) were limited to a subset of the groundwater analytical data. The selected subset included groundwater analytical data collected from August 2006 through June 2007 and excluded data from February 2006 and the most recent groundwater sampling events conducted in July and October 2007. Please provide an explanation/justification for the selection of these data in regards to representativeness, in accordance with 310 CMR 40.1056(2)(k).
4. When reviewing the maximum site-wide EPCs from the identified date range of August 2006 through June 2007 presented in the Method 2 Hydrodynamic Dispersion Model, the Department was able to verify the maximum EPC selected for C<sub>9</sub>-C<sub>12</sub> aliphatic hydrocarbons. However, the Department identified higher maximum values from the selected timeframe for C<sub>5</sub>-C<sub>8</sub> aliphatic hydrocarbons, C<sub>9</sub>-C<sub>10</sub> aromatic hydrocarbons, benzene, toluene, ethylbenzene, total xylenes, naphthalene, and methyl tertiary butyl ether. Please provide an explanation for this discrepancy.
5. Please indicate if the property subject to the Notice of AUL is still owned by Sunoco, Inc. (R&M). If the property has been conveyed since the AUL was recorded, please indicate the date of conveyance and provide a copy of the deed into the new owner.

FILE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1 Article Addressed to:

Mr. William Brochu  
Sunoco, Inc. (R&M)  
PO Box 1262  
Westborough, MA 01581

COMPLETE THIS SECTION ON DELIVERY

A. Signature

*[Handwritten Signature]*

☐ Agent

☒ Addressee

B. Received by (Printed Name)

*William Brochu*

C. Date of Delivery

*3/20/09*

D. Is delivery address different from item 1? ☐ Yes

If YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2 Art

(Tr)

7007 0710 0003 2182 6411 BWSC-Westfield

1-15718

1-16079 RLW

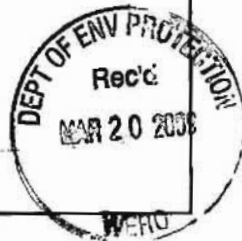
UNITED STATES POSTAL SERVICE



First-Class Mail  
Postage & Fees Paid  
USPS  
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

*Department of Environmental Protection  
436 Dwight Street – Suite 500  
Springfield, MA 01103*





AFTER 5 DAYS RETURN TO  
THE COMMONWEALTH OF MASSACHUSETTS  
DEPT. OF ENVIRONMENTAL PROTECTION  
WESTERN REGION  
436 DWIGHT STREET - 5TH FLOOR  
SPRINGFIELD, MASSACHUSETTS 01103

7007 0710 0003 2182 5411



PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT  
OF THE RETURN ADDRESS, TOLD AT DOTTED LINE  
**CERTIFIED MAIL™**

Mr. William Brochu, Engineer  
Sunoco, Inc. (R&M)  
PO Box 1262  
Westborough, MA 01581

**U.S. Postal Service™**  
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Sent To: Mr. William Brochu, Engineer  
Sunoco, Inc. (R & M)  
PO Box 1262  
Westborough, MA 01581

PS Form 3800, August 2006 See Reverse for Instructions

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Westborough, MA 01581

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**Woolley, Rebecca (DEP)**

---

**From:** Woolley, Rebecca (DEP)  
**Sent:** Tuesday, March 17, 2009 4:09 PM  
**To:** 'svandersea@cea-inc.com'; 'mayor@cityofwestfield.org'; 'd.reardon@cityofwestfield.org'  
**Cc:** Andler, Denise (DEP)  
**Subject:** Notice of Audit for RTN 1-15718 & 1-166079, 88-90 South Maple St., Westfield  
  
**Attachments:** NOA - 1-15718.doc

In an effort to reduce postage and paper costs, DEP WERO employees have been asked to provide "carbon copies" by e-mail whenever possible. Consequently, I am sending you the attached letter electronically. In accordance with DEP WERO guidance regarding electronic cc's, the document is protected to prevent editing. However, you should be able to view and print the letter. You will not receive a hard copy of this document by mail. Please retain a copy of the attached file with any records you may have regarding this matter. If you have any questions, or if you have difficulty opening this attachment, please contact me at the number listed below or reply by email.



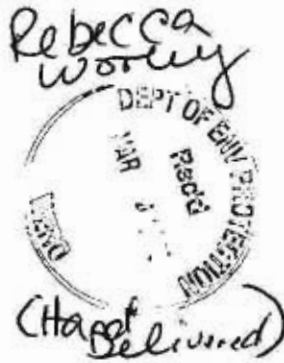
NOA - 1-15718.doc  
(103 KB)

Sincerely,

***Rebecca L. Woolley, LSP***

BWSC - Audits/Site Management  
MassDEP, 436 Dwight Street  
Springfield, MA 01103  
Rebecca.Woolley@state.ma.us  
Tel: 413-755-2263  
Fax: 413-784-1189

7-22-10719  
TRACKING NUMBER



TED ONDRICK COMPANY LLC

SOIL FACILITY

BILL OF LADING INFORMATION

Att: William Brochu	
GENERATOR: <u>Sunoco Inc.</u>	SITE: <u>Sunoco Inc.</u>
<u>4 Bellows Road</u>	<u>88-90 South Maple St.</u>
<u>Westborough, MA 01581</u>	<u>Westfield, MA</u>
TOTAL AMOUNT REMOVED: <u>8.60 tons</u>	
REMOVAL DATE: <u>8-8-05</u>	
NUMBER OF LOADS: <u>1</u>	

**PAID**  
11/3/05

RECEIVED

Billed 8/24/05

Invoice No.  
10332



**ONDRICK COMPANY, LLC**  
Materials and Construction

58 Industry Rd.  
Chicopee, MA 01020  
(413) 592-2081

S  
O  
L  
D  
T  
O

Sunoco Inc.  
1818 Market St. Suite 1500  
Philadelphia, PA 19103-3687

Re: Sunoco  
88-90 South Maple St  
Westfield, MA

Terms - Net 30 days

Job No. - 7-22-10719

DATE	DESCRIPTION	QUANTITY	U M	UNIT PRICE	TOTAL
8-8-05	Soil Disposal	8.60	ton	29.00	249.40

1½% Monthly Finance Charge on Past Due Accounts

BILL TO:

Att: William Brochu  
Sunoco Inc.

4 Bellows Rd.  
Westborough, MA 01581

P.O. NO: \_\_\_\_\_

ORIGINAL BOL TO:

CEA, Inc.  
127 Hartwell St.  
West Boylston, MA 01583-2409

Tracking # \_\_\_\_\_

7-22-10719

GAS:  
OIL:  
OTHER:

JOB LOCATION:

Sunoco  
88-90 South Maple St.  
Westfield, MA

CONTACT PERSON:

Patrick Brown  
Phone: 508-835-8822 ext. 224  
Fax: \_\_\_\_\_

Amount Per Ton: \$ 29

Trucking: \_\_\_\_\_ Loading: \_\_\_\_\_

SHIPPING DATE

# OF LOADS

TONS

ACCUMULATED TONS

8/18/05

1

8.60

249.40



**Massachusetts Department of Environmental Protection**  
**Bureau of Waste Site Cleanup**

BWSC-012A

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1	15718
---	-------

**A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:**

Release Name (optional): Westfield SunocoStreet: 88-90 South Maple Street

Location Aid: \_\_\_\_\_

City/Town: WestfieldZIP Code: 01564Date/Period of Generation: 4/15/2005 to: 4/27/2005

Additional Release Tracking Numbers Associated with this Bill of Lading: \_\_\_\_\_

\* Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.

**B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

Name of Organization: Sunoco Inc. (R & M)Name of Contact: William J. BrochuTitle: Environmental ManagerStreet: 4 Bellows Rd PO Box 1262City/Town: WestboroughState: MAZIP Code: 01581Telephone: (978) 422-6531

Ext.: \_\_\_\_\_

**C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

☒ RP or PRP Specify: ☒ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP: \_\_\_\_\_

☐ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ Other Person: \_\_\_\_\_

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

**D. TRANSPORTER OR COMMON CARRIER INFORMATION:**

Transporter/Common Carrier Name: Corporate Environmental Advisors, Inc.Contact Person: Mark NoackTitle: Operations ManagerStreet: 127 Hartwell StreetCity/Town: West BoylstonState: MAZIP Code: 01583Telephone: (508) 835-8822Ext.: 253

**E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:**

Operator/Facility Name: Ted Ondrick Company, LLCContact Person: Paul Mullen

Title: \_\_\_\_\_

Street: 58 Industry RoadCity/Town: ChicopeeState: MAZIP Code: 01020-0000Telephone: 413-592-2081

Ext.: \_\_\_\_\_

Type of Facility:  
(check one)
☐ Asphalt Batch/Cold Mix

☒ Asphalt Batch/Hot Mix

☐ Thermal Processing

☐ Landfill/Disposal

☐ Landfill/Daily Cover

☐ Landfill/Structural Fill

☐ Incinerator

☐ Other: \_\_\_\_\_

☐ Temporary Storage
EPA Identification #: MV 413 592 2081Division of Hazardous Waste/Class A Permit #: WR-96-07

Division of Solid Waste Management Permit #: \_\_\_\_\_

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): \_\_\_\_\_ to: \_\_\_\_\_

Reason for Temporary Storage: \_\_\_\_\_





**Massachusetts Department of Environmental Protection**  
**Bureau of Waste Site Cleanup**

BWSC-012A

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1

15718

**E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued):**

Temporary Storage Address:

Street: \_\_\_\_\_

City/Town: \_\_\_\_\_

State: \_\_\_\_\_

ZIP Code: \_\_\_\_\_

**F. DESCRIPTION OF REMEDIATION WASTE:**

(check all that apply)

- ☒ Contaminated Media (check all that apply): ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Other: \_\_\_\_\_
- ☐ Contaminated Debris (check all that apply): ☐ Vegetation or Organic Debris ☐ Demolition/Construction Waste
- ☐ Inorganic Absorbent Materials ☐ Other: \_\_\_\_\_
- ☐ Non-hazardous Uncontainerized Waste (check all that apply): ☐ Non-aqueous Phase Liquid ☐ Other: \_\_\_\_\_
- ☐ Non-hazardous Containerized Waste (check all that apply): ☐ Tank Bottoms/Sludges ☐ Containers ☐ Drums
- ☐ Engineered Impoundments ☐ Other: \_\_\_\_\_
- Type of Contamination (check all that apply): ☒ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil
- ☐ Kerosene ☐ Jet Fuel ☐ Other: \_\_\_\_\_

Estimated Volume of Materials: Cubic Yards: 5 Tons: 4 Other: \_\_\_\_\_Contaminant Source (check one/specify): ☐ Transportation Accident ☐ Underground Storage Tank ☒ Other: UST pipingResponse Action Associated with Bill of Lading (check one): ☒ Immediate Response Action ☐ Release Abatement Measure☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☐ Other: \_\_\_\_\_

Remediation Waste Characterization Support Documentation attached:

☒ Site History Information ☐ Sampling and Analytical Methods and Procedures ☒ 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 DEP.

**G. LICENSED SITE PROFESSIONAL (LSP) OPINION:**

Name of Organization: Corporate Environmental AdvisorsLSP Name: Scott VanderSea Title: Regional ManagerTelephone: (508) 835-6822 Ext.: 259

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

- (i) the standard of care in 309 CMR 4.02(1),  
 (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and  
 (iii) the provisions of 309 CMR 4.03(5).

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

LSP Signature: [Signature]

Seal:

Date: 6/17/05License Number: 3979

**Massachusetts Department of Environmental Protection**  
**Bureau of Waste Site Cleanup****BWSC-012A****BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1

15718

**H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:**

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, the material 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 of Person (print): William J. Brochu



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET

Release Tracking Number

1 - 15718

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print):

Paul Mullen

Title: Supervisor

Signature:

Date: 8-23-05

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON  
CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

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, the material information contained in 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 of Person (print):



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)  
LOG SHEET 1 OF 1

Release Tracking Number:

1 - 15718

I. LOAD INFORMATION:

LOAD 1: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment: 08/00/05 Time of Shipment: 11:30 (circle one) am/pm

Date of Receipt: 08/08/05 Time of Receipt: 11:52 (circle one) am/pm

Truck/Tractor Registration: 37123 Trailer Registration (if any): 646618

Load Size (cu. yds./tons): 8.60 ton

LOAD 2: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment: / / Time of Shipment: (circle one) am/pm

Date of Receipt: / / Time of Receipt: (circle one) am/pm

Truck/Tractor Registration: Trailer Registration (if any):

Load Size (cu. yds./tons): ton

LOAD 3: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment: / / Time of Shipment: (circle one) am/pm

Date of Receipt: / / Time of Receipt: (circle one) am/pm

Truck/Tractor Registration: Trailer Registration (if any):

Load Size (cu. yds./tons): ton

LOAD 4: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment: / / Time of Shipment: (circle one) am/pm

Date of Receipt: / / Time of Receipt: (circle one) am/pm

Truck/Tractor Registration: Trailer Registration (if any):

Load Size (cu. yds./tons): ton

LOAD 5: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment: / / Time of Shipment: (circle one) am/pm

Date of Receipt: / / Time of Receipt: (circle one) am/pm

Truck/Tractor Registration: Trailer Registration (if any):

Load Size (cu. yds./tons): ton

LOAD 6: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment: / / Time of Shipment: (circle one) am/pm

Date of Receipt: / / Time of Receipt: (circle one) am/pm

Truck/Tractor Registration: Trailer Registration (if any):

Load Size (cu. yds./tons): ton

LOAD 7: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment: / / Time of Shipment: (circle one) am/pm

Date of Receipt: / / Time of Receipt: (circle one) am/pm

Truck/Tractor Registration: Trailer Registration (if any):

Load Size (cu. yds./tons): ton

J. LOG SHEET VOLUME INFORMATION:

Total Volume This Page (cu. yds./tons): 8.60 ton

Total Carried Forward (cu. yds./tons): ton

Total Carried Forward and This Page (cu. yds./tons): 8.60 ton



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

1

OF

1

1

15718

K. SUMMARY OF SHIPMENTS:

Date of Shipment:

Date of Receipt:

Number of Loads Shipped:

Daily Volume Shipped  
(cu. yds./tons)

8-8-05

8-8-05

1

8.60 tons

Summary Sheet Total Shipped:

1

8.60 tons

Bill of Lading Total Shipped  
(only if different):

**ONDRICK COMPANY, LLC**

Materials and Construction

58 Industry Road Chicopee, MA 01020

Tel: (413) 592-2081

FAX: (413) 592-7451

PRE-QUALIFICATION INFORMATION  
PETROLEUM CONTAMINATED SOILS (PCS)

The following information shall accompany all requests/submittals concerning the transport and recycling of PCS, as governed by DEP policies in order for the facility to confirm that the PCS meets its acceptance criteria:

I. GENERATOR INFORMATION

Name: Sunoco, Inc. (R&M) Contact: William J. Brochu  
Street: 4 Bellows Road P.O. Box 1262 Phone: 800-777-6444 ex. 1357  
City/Town: Westborough State/Zip: MA 01581

II. SITE INFORMATION

Name: Westfield Sunoco Contact: William J. Brochu  
Street: 88 South Maple Street Phone: 800-777-6444 ex. 1357  
City/Town: Westfield State/Zip: MA

III. ENVIRONMENTAL CONSULTANT'S PERTINENT INFORMATION

Name: CEA Contact: Patrick Brown  
Street: 127 Hartwell Street Phone: 508-835-8822  
City/Town: West Boylston State/Zip: MA 01583-2409

IV. ESTIMATED VOLUME OF PCS: \_\_\_\_\_ Tons 2 Cubic Yards

V. DESCRIPTION OF THE PCS:

       Sand        Gravel   X   Fill        Clay        Other

Physical description of the PCS - In addition please indicate the presence of any const. debris, veg. matter, ash, etc.

Light Brown silty gravels USCS letter Symbol GM composit sample



Specify type of contamination:

  X   Gasoline           Diesel           #2           #4           #6  
       Lub. Oil           Waste Oil           Jet Fuel           Kerosene  
       Other:                                 

VI. SITE HISTORY:

Please include at a minimum the following information:

Current & Former usage of site, description of release (known dates, source), sampling method used (grab, composite etc.), analytical parameters selected and any other pertinent information.

**\*\*Sufficient information must be provided in the Site History to justify the limiting of the analytical requirements necessary for recycling\*\***

VII. SITE DIAGRAM:

Please forward a diagram which includes the following info:

At least one street reference, any adjacent structures, excavation area, stockpile location, location where samples were taken from, name of individual preparing diagram, reference the site name and location and any other pertinent information.

VIII. GENERATOR / LSP / QEP STATEMENTS:

- A. I, the generator/LSP/QEP, using due diligence have determined that there is no reason to suspect or believe the PCS has been impacted by any release of oil or hazardous materials other than that of the known source or I have identified the additional oil and hazardous materials that are suspected or known to be present in the PCS, in addition to those associated with the known release including any anthropogenic contaminants.
- B. I, the generator/LSP/QEP, realize that due diligence shall consist of a search of information and records reasonably available to the generator of the PCS sufficient to make the determination. Such records and information may include, but are not limited to, those of the generator, location of the generation (Facility if not the generator) the Departments Bureau of Waste Site Cleanup, and the municipality (Board of Health, Fire Department) within which the site is located.
- C. I, the generator/LSP/QEP, have included sufficient information justifying the limiting of the analytical requirements as part of the Site History Information accompanying the 21E Bill of Lading and Material Shipping Record. This includes at a minimum the following:

1572265E17

01:01 2002-08-23

1. Analytical Parameters Selected
2. Screening Data (i.e.: Total data for TCLP, Headspace)
3. Laboratory Analytical Data
4. Description of the release
5. Physical description of the soil including the classification method used.
6. Description of the site location with regards to former and current usage.
7. Complete site history.
8. Site diagram

Generator (Print or Type Name): William J. Brochu, On behalf of Surco Inc (RSM)  
 Generator Signature: *[Signature]* on behalf of Surco Inc (RSM) Date: 6/17/05  
 LSP/QEP (Print or Type Name): Scott VanderSea, LSP #3978  
 LSP/QEP Signature: *[Signature]* Date: 6/17/05

\*\*\*\*\*

ORIGINAL BILL OF LADING OR MATERIAL SHIPPING RECORD MUST BE AT THE FACILITIES OFFICE BEFORE THE SOIL IS SHIPPED.

\*\*\*\*\*

☒ ACCEPTED

☐ REFUSED

*[Signature]*  
 Facility Representative

Reasons for Acceptance/Refusal: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**BOL information**  
**Release Tracking Number 1-15718**  
**88-90 south Maple Street, Westfield, MA 01564**

The property located at 88-90 South Maple is a Sunoco-branded gasoline station. Response Actions are being conducted under the primary Release Tracking Number (RTN), 1-15718. The responsible party for RTN 1-15718 is Sunoco Inc. (R & M) (Sunoco), Mr. William Brochu, 4 Bellows Road, PO Box 1262 in Westborough, Massachusetts 01581-1262. CEA on behalf of Sunoco notified DEP on April 15, 2005 of a 72 hour Threat of Release condition. Specifically a Underground Storage Tank (UST) product line failed a tightness test on April 12, 2005. Verbal approval was given by DEP on April 15, 2005 under RTN 1-15718 for the UST product line repair activities to be conducted at the Sunoco station at 88-90 South Maple Street in Westfield, Massachusetts.

Sunoco was issued a Notice of Responsibility on April 19, 2005 for the 72-Hour reportable condition discovered during product line tightness testing on April 12, 2005. A Release Notification Form (RNF) was submitted to DEP on June 14, 2005.

**Soil managed under this Bill of Lading**

The soil being managed under this Bill of Lading was generated during the product line repair under an IRA conducted on April 15, 2005.

Approximately 5 cubic yards of soil was excavated from the pump island areas from April 15 to April 27, 2004.

**Description of Release**

During annual product line testing, an unleaded gasoline supply line failed tightness testing.

**Analytical Parameters**

The stockpile soil was screened for the following parameters:

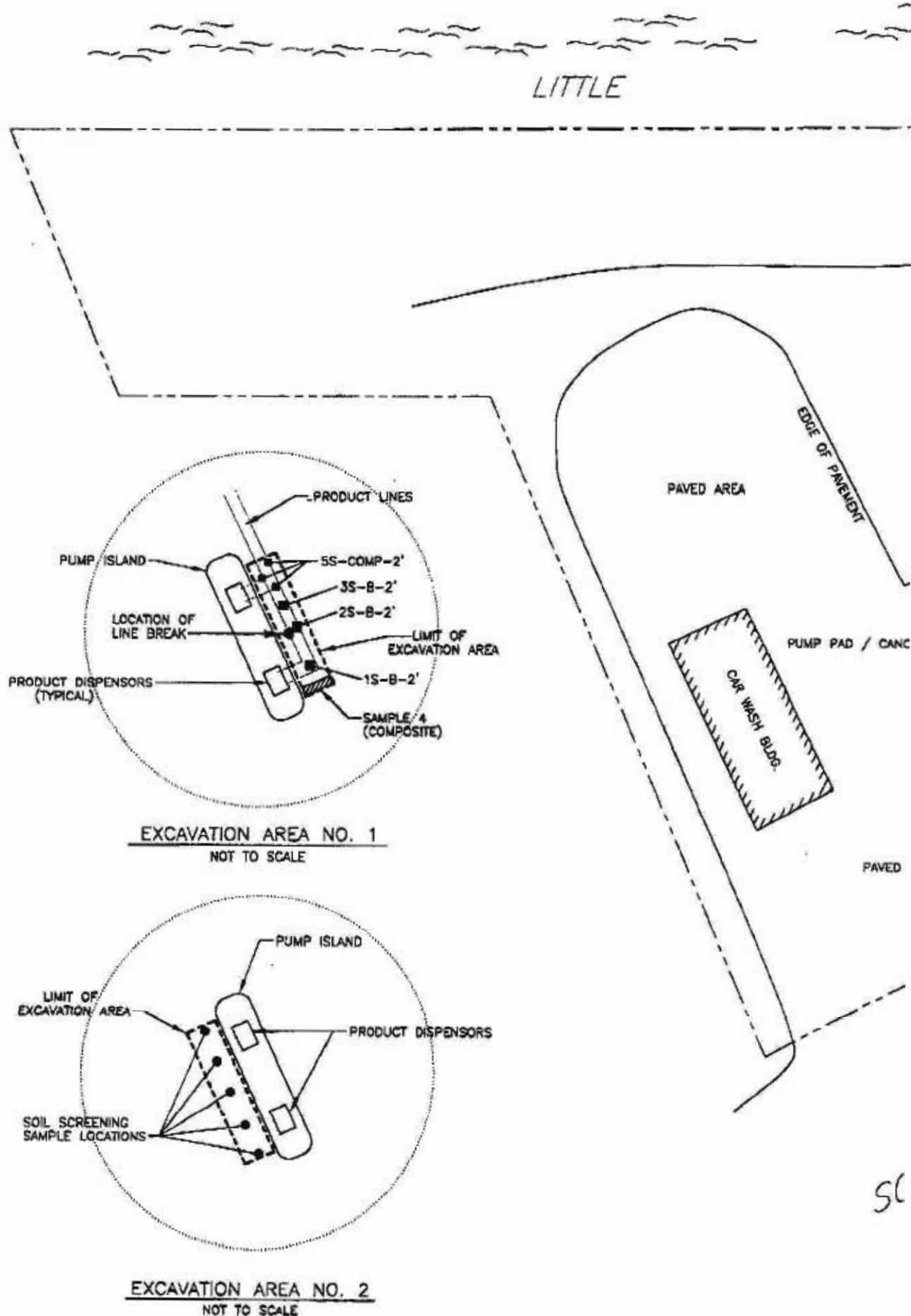
- TPH - 418.1
- VOCs - 8260B
- Metals - RCRA-8
- Flashpoint
- PH
- Reactivity (Sulfide & Cyanide)
- PCBs

Stockpiled soil meets Ondrick's acceptance criteria for gasoline contaminated soil recycling.

**SITE HISTORY**

Current Usage: Sunoco Gasoline Service Station

Former Usage: Gasoline Service Station back to 1948



EXCAVATION AREA NO. 1  
NOT TO SCALE

EXCAVATION AREA NO. 2  
NOT TO SCALE



CORPORATE ENVIRONMENTAL  
ADVISORS, INC.

Assessments - Remediation - Emergency Response  
127 HARTWELL ST. W. BOYLSTON, MA.

SCALE: NOT TO SCALE

DR. BY: K. HAZEL

DATE: 8/9/05

APP. BY: SEV

JOB NO.: 5795-05

SITE LAYOUT

SUNOCO, INC.

FIGURE-2

# TED ONDRICK COMPANY, LLC

19751

58 INDUSTRY ROAD  
CHICOPEE, MA 01020  
Tel. (413) 592-2565

WEIGHT

Date 08.08.05

69100 lbs. GROSS

51900 lbs. TARE

17200 lbs. NET

8.607m

Westfield dealer  
188-90 South Maple St  
Westfield MA

PO #	CHASE ORDER NO.	SHIPPED VIA	JOB NO.	CASH	CHARGE
		COR			

Commodity: Asphalt @ per ton

Received By: A. Haddock Load No. 1

Driver On [ ] Off [X] Weigher 574



Automated Report



05/06/05

### Technical Report for

#### Corporate Environmental Advisors

Sunoco, 88 South Maple St., Westfield MA

5795-05-001

Accutest Job Number: M46920

Sampling Date: 04/28/05

#### Report to:

Corporate Environmental Advisors, Inc.  
127 Hartwell Street  
West Boylston, MA 01583  
dazukauskas@cea-inc.com

ATTN: Debbie Zukauskas

Total number of pages in report: 13



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

*Reza Fand*  
Reza Fand  
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579)  
NY (23346) NJ (MA926) NAVY USACE

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<b>Section 2: Sample Results .....</b>	<b>4</b>
<b>2.1: M46920-1: STOCKPILE .....</b>	<b>4</b>
<b>Section 3: Misc. Forms .....</b>	<b>12</b>
<b>3.1: Chain of Custody .....</b>	<b>13</b>

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2  
3

Accutest Laboratories

**Sample Summary****Corporate Environmental Advisors****Job No: M46920****Sunoco, 88 South Maple St., Westfield MA**  
**Project No: 5795-05-001**

Sample Number	Collected		Time By	Matrix		Client Sample ID
	Date			Received	Code Type	
M46920-1	04/28/05		10:55 PB	04/29/05	SO Soil	STOCKPILE

---

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Accutest Laboratories

## Report of Analysis

Page 1 of 3

Client Sample ID:	STOCKPILE	Date Sampled:	04/28/05
Lab Sample ID:	M46920-1	Date Received:	04/29/05
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846 8260B		
Project:	Sunoco, 88 South Maple St., Westfield MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I29225.D	1	05/03/05	SC	n/a	n/a	MSI819
Run #2	I29260.D	1	05/03/05	SC	n/a	n/a	MSI820

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	38.1 g	15.0 ml	100 ul
Run #2	38.1 g	10.0 ml	10.0 ul

## VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	130	ug/kg	
71-43-2	Benzene	325	13	ug/kg	
108-86-1	Bromobenzene	ND	130	ug/kg	
74-97-5	Bromochloromethane	ND	130	ug/kg	
75-27-4	Bromodichloromethane	ND	51	ug/kg	
75-25-2	Bromoform	ND	51	ug/kg	
74-83-9	Bromomethane	ND	51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	130	ug/kg	
104-51-8	n-Butylbenzene	ND	130	ug/kg	
135-98-8	sec-Butylbenzene	379	130	ug/kg	
98-06-6	tert-Butylbenzene	ND	130	ug/kg	
75-15-0	Carbon disulfide	ND	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	51	ug/kg	
108-90-7	Chlorobenzene	ND	51	ug/kg	
75-00-3	Chloroethane	ND	130	ug/kg	
67-66-3	Chloroform	ND	51	ug/kg	
74-87-3	Chloromethane	ND	130	ug/kg	
95-49-8	o-Chlorotoluene	ND	130	ug/kg	
106-43-4	p-Chlorotoluene	ND	130	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	130	ug/kg	
124-48-1	Dibromochloromethane	ND	51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	51	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	51	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	51	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	51	ug/kg	
75-34-3	1,1-Dichloroethane	ND	51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	51	ug/kg	
75-35-4	1,1-Dichloroethene	ND	51	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	51	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	51	ug/kg	
78-87-5	1,2-Dichloropropane	ND	51	ug/kg	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

## Report of Analysis

Page 2 of 3

Client Sample ID:	STOCKPILE	Date Sampled:	04/28/05
Lab Sample ID:	M46920-1	Date Received:	04/29/05
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846 8260B		
Project:	Sunoco, 88 South Maple St., Westfield MA		

## VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	130	ug/kg	
594-20-7	2,2-Dichloropropane	ND	130	ug/kg	
563-58-6	1,1-Dichloropropene	ND	130	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	51	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	51	ug/kg	
100-41-4	Ethylbenzene	6800	51	ug/kg	
87-68-3	Hexachlorobutadiene	ND	130	ug/kg	
591-78-6	2-Hexanone	ND	130	ug/kg	
74-88-4	Iodomethane	ND	130	ug/kg	
98-82-8	Isopropylbenzene	1350	130	ug/kg	
99-87-6	p-Isopropyltoluene	282	130	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	2120	51	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	130	ug/kg	
74-95-3	Methylene bromide	ND	130	ug/kg	
75-09-2	Methylene chloride	ND	51	ug/kg	
91-20-3	Naphthalene	3350	130	ug/kg	
103-65-1	n-Propylbenzene	4400	130	ug/kg	
100-42-5	Styrene	320	130	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	130	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	51	ug/kg	
127-18-4	Tetrachloroethene	ND	51	ug/kg	
108-88-3	Toluene	14800 <sup>a</sup>	370	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	130	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	51	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	51	ug/kg	
79-01-6	Trichloroethene	ND	51	ug/kg	
75-69-4	Trichlorofluoromethane	ND	51	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	130	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	20800 <sup>a</sup>	910	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	6750	130	ug/kg	
108-05-4	Vinyl Acetate	ND	130	ug/kg	
75-01-4	Vinyl chloride	ND	51	ug/kg	
1330-20-7	Xylene (total)	26800 <sup>a</sup>	51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	110%	59-139%
2037-26-5	Toluene-D8	103%	109%	68-123%
460-00-4	4-Bromofluorobenzene	93%	100%	62-132%

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

## Report of Analysis

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Client Sample ID:	STOCKPILE	Date Sampled:	04/28/05
Lab Sample ID:	M46920-1	Date Received:	04/29/05
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846 8260B		
Project:	Sunoco, 88 South Maple St., Westfield MA		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
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(a) Result is from Run# 2

ND = Not detected  
RL = Reporting Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound



Accutest Laboratories

## Report of Analysis

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2

Client Sample ID:	STOCKPILE	Date Sampled:	04/28/05
Lab Sample ID:	M46920-1	Date Received:	04/29/05
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846 8015		
Project:	Sunoco, 88 South Maple St., Westfield MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	MN34207.D	1	05/05/05	AP	n/a	n/a	GMN1595
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	28.8 g	15.0 ml	20.0 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	234	16	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
615-59-8	2,5-Dibromotoluene	89%		52-141%	

ND = Not detected  
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

## Report of Analysis

Page 1 of 1

Client Sample ID:	STOCKPILE	Date Sampled:	04/28/05
Lab Sample ID:	M46920-1	Date Received:	04/29/05
Matrix:	SO - Soil	Percent Solids:	92.5
Method:	SW846 8082 SW846 3545		
Project:	Sunoco, 88 South Maple St., Westfield MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ26271.D	1	05/03/05	CZ	05/02/05	OP8830	GYZ1096
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

## PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	100	ug/kg	
11104-28-2	Aroclor 1221	ND	100	ug/kg	
11141-16-5	Aroclor 1232	ND	100	ug/kg	
53469-21-9	Aroclor 1242	ND	100	ug/kg	
12672-29-6	Aroclor 1248 <sup>a</sup>	.269	100	ug/kg	
11097-69-1	Aroclor 1254	.445	100	ug/kg	
11096-82-5	Aroclor 1260	ND	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		30-134%
877-09-8	Tetrachloro-m-xylene	84%		30-134%
2051-24-3	Decachlorobiphenyl	83%		30-150%
2051-24-3	Decachlorobiphenyl	87%		30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

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Accutest Laboratories

## Report of Analysis

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2

Client Sample ID:	STOCKPILE		
Lab Sample ID:	M46920-1	Date Sampled:	04/28/05
Matrix:	SO - Soil	Date Received:	04/29/05
Method:	SW846-8015 SW846 3545	Percent Solids:	92.5
Project:	Sunoco, 88 South Maple St., Westfield MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PO34376.D	1	05/05/05	MM	05/02/05	OP8831	GPO2243
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (Semi-VOA)	204	18	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
3386-33-2	1-Chlorooctadecane	65%		36-133%	

ND = Not detected  
 RL = Reporting Limit  
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J = Indicates an estimated value  
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## Report of Analysis

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2

Client Sample ID:	STOCKPILE	Date Sampled:	04/28/05
Lab Sample ID:	M46920-1	Date Received:	04/29/05
Matrix:	SO - Soil	Percent Solids:	92.5
Project:	Sunoco, 88 South Maple St., Westfield MA		

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	1.8	0.53	mg/kg	1	05/02/05	05/04/05 LMN	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	35.6	21	mg/kg	1	05/02/05	05/04/05 LMN	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium	<0.42	0.42	mg/kg	1	05/02/05	05/04/05 LMN	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Chromium	12.7	1.1	mg/kg	1	05/02/05	05/04/05 LMN	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead	33.9	0.53	mg/kg	1	05/02/05	05/04/05 LMN	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Mercury	<0.032	0.032	mg/kg	1	04/30/05	05/04/05 MA	SW846 7471A <sup>1</sup>	SW846 7471A <sup>3</sup>
Selenium	<1.1	1.1	mg/kg	1	05/02/05	05/04/05 LMN	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver	<0.53	0.53	mg/kg	1	05/02/05	05/04/05 LMN	SW846 6010B <sup>2</sup>	SW846 3050B <sup>4</sup>

(1) Instrument QC Batch: MA5768

(2) Instrument QC Batch: MA5769

(3) Prep QC Batch: MP6986

(4) Prep QC Batch: MP6995

RL = Reporting Limit

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## Report of Analysis

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2

Client Sample ID:	STOCKPILE	Date Sampled:	04/28/05
Lab Sample ID:	M46920-1	Date Received:	04/29/05
Matrix:	SO - Soil	Percent Solids:	92.5
Project:	Sunoco, 88 South Maple St., Westfield MA		

## General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide Reactivity	< 1.5	1.5	mg/kg	1	05/04/05	BF	SW846 CHAP7
Ignitability (Flashpoint)	> 230		Deg. F	1	05/05/05	MA	SW846 1020
Petroleum Hydrocarbons	263	36	mg/kg	1	05/04/05	BF	EPA 418.1 M
Solids, Percent	92.5		%	1	05/02/05	OP	EPA 160.3 M
Sulfide Reactivity	< 50	50	mg/kg	1	05/04/05	BF	SW846 CHAP7
pH	9.7		su	1	05/02/05	MA	SW846 9045

RL = Reporting Limit

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### Misc. Forms

### Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody







# Facsimile transmittal

To:	Paul Mullen	Fax:	413-592-7451
Co:	Ted Ondrick Company, LLC	Tel:	413-592-2081
From:	Patrick Brown	Date:	June 16, 2005
Co:	CEA	Tel:	508-835-8822
Re:	Westfield Sunoco - Soil Recycling Submittal	Pages:	25

☐ Urgent    ☒ For Review    ☐ Please Comment    ☒ Please Reply    ☐ Please Recycle

## Notes:

Dear Mr. Mullen,

Here is the soil data for the Westfield Sunoco in Westfield, MA. Please contact the undersigned as soon as the soil recycling submittal is approved. We are also looking for a quote to load and transport the soil from the site.

Thank you,

A handwritten signature in black ink, appearing to read 'PJB'.

Patrick J. Brown

Environmental Scientist I

*Disposal 28.02 Ton  
(we are unable to transport  
at this time)*

Handwritten initials in black ink, possibly 'R'.



**ED NDRICK COMPANY, LLC**  
Materials and Construction

58 Industry Road Chicopee, MA 01020

Tel. (413) 592-2081  
FAX (413) 592-7451

FAX SUBMITTAL

DATE: 6/28/05

COMPANY: CEA

ATTN: Patrick Brown

FROM: Raura

# OF PAGES: 1 ( Includes Cover Sheet)

COMMENTS: Seneca's disposal only price is \$29/ton

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To Laura  
Re Ted Ondrick Co.  
Re. Westfield Sunoco  
Soil Recycling

Fax 413-592-7451  
Tel 413-592-2081  
3 Pages

Dear Laura,

Here are the signed pages from Bill Brochu of  
Sunoco Inc. Also could you Fax me a written Quote.  
<sup>Thanks</sup>  
Patrick Brown

508-835-8822 ex 224

508-835-8812

# **BWSC RAO LEVEL 1 AUDIT FORM**

**Disclaimer:** This checklist is for use by DEP in reviewing Response Action Outcome (RAO) Statements, and may not be relied upon for any other purpose. This checklist is not a comprehensive list of RAO requirements, which are fully set forth in MGL c. 21E and 310 CMR 40.0000. Completion of this checklist by DEP does not constitute a final agency decision, and does not create any legal rights or relieve any party of obligations that exist pursuant to applicable laws.

Lead RTN: 1-15719			
<b>SUBMITTAL TYPE</b> Class: (A) B C 1 2 (3) 4 Partial Revised AUL Other: Related RTNs: 1-16079		OHM description: (Source, Type of OHM, Media Affected) Leaking product lines, gasoline, soil (gw, indoor air?), PCBs? Site Use: service station	
		Date RAO Rcvd 4/7/08 Date Screened 8/8/08	
Town: Westfield		Site Name:	
Address: 88-90 Maple St		LSP Name & No.: Scott Vander Sea	
PRP/OP: Sunoco, Inc		Consulting Firm: CEA	
TECHNICAL SCREENING CHECKLIST			
Based upon conditions at time of RAO submittal			
I. SITE CONDITIONS			
A. Air	Yes	No	Page
1. <input type="checkbox"/> Applicable GW-2 standard exceeded @ residence/school with no soil gas/indoor air sampling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. <input type="checkbox"/> Site contaminants impacting indoor air	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
B. Drinking Water/Groundwater	Yes	No	Page
1. <input type="checkbox"/> More than 0.5" NAPL observed in any monitoring well	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Site within potential drinking water source area (PDWSA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Site located within IWPA/mapped Zone II	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Private/Non-municipal public well(s) (i.e. TNC, NTNC) located within 500 feet of site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Municipal well(s) located within 1000 feet of site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. <input type="checkbox"/> Private well contaminated as a result of site, still in use (no filter, no public water, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. <input type="checkbox"/> Public water supply contaminated as a result of site, no filters or other mitigation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
C. Contaminated Soil At a School or Residence	Yes	No	Page
1. EPC in S-1 soil exceeds Method 1 Standard	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Bioaccumulating compounds (i.e. Hg, Pb, PCBs, etc.) detected less than 1 foot deep	<input type="checkbox"/>	<input type="checkbox"/>	
3. IH compounds (arsenic, cadmium, chrome VI, cyanide) detected less than 1 foot deep	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
D. Environmental Concerns	Yes	No	Page
1. Site within 500 feet of surface water and/or wetlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Endangered species habitat, ACEC and/or certified vernal pool within 500 feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Confirmed contamination of surface water, sediments and/or wetlands with site contaminants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
E. Site & Area Use – Check All That Apply	Yes	No	Page
1. Industrial use or public Right of Way (no children likely to be present)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Commercial (limited presence of children)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. School/Institution (pre-K through high school, not college/university)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Residential	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
F. Released OHM (Primary Contaminant Type[s])	Yes	No	Page
1. Petroleum fuel oils (e.g. #2, #4, #6, JP-4, JP-8, kerosene, lube oil, MODF, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Gasoline, waste oils, Aviation Fuel (AVGAS, Jet A, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Metals, coal tar, PCBs, pesticides/herbicides, asbestos, cyanide	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Chlorinated solvents, perchlorate, or other organic compounds	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
G. Site Complexity	Yes	No	Page
1. Co-mingled plumes (i.e., from different sources, one or more releases co-mingled)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Bedrock contamination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If <input type="checkbox"/> conditions currently exist, see supervisor to discuss.			

# DEP BWSC RAO LEVEL 1 AUDIT FORM

**Disclaimer:** This checklist is for use by DEP in reviewing *Response Action Outcome (RAO)* Statements, and may not be relied upon for any other purpose. This checklist is not a comprehensive list of RAO requirements, which are fully set forth in MGL c. 21E and 310 CMR 40.0000. Completion of this checklist by DEP does not constitute a final agency decision, and does not create any legal rights or relieve any party of obligations that exist pursuant to applicable laws.

II. TECHNICAL ADEQUACY		Citation(s)	Yes	No	?	NA	Page
<b>A. Remedial Response Actions:</b>							
1.	Documentation (BOL, HWM, etc.) of removal/treatment of contaminated soil was provided	40.0030	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.	Remediation waste properly managed (Air [95%], GW [permit], SW [NPDES])	40.0031-40.0049	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>B. Source/Extent Investigations:</b>			Yes	No	?	NA	Page
1.	History of OHM use/storage/disposal at the site included	40.0405(1), 40.0835(4)(c)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Potential source(s) identified, characterized, or abated (septic leach field, floor drain, AST, etc.)	40.0923(2), 40.1003(5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	All migration pathways evaluated (soil, groundwater, surface water, air, sediment, food)	40.0904(2)(c)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Extent of contamination defined in all media (including downgradient)	40.0904(2)(a), 40.1003(5)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Potential or actual OHM analyzed for and/or evaluated (metals, VPH, VOCs, etc.)	40.0904(3)(a), 40.0926(1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Proper sample collection technique/preservation/holding times/surrogate recovery, etc.	40.0017(2-3), 40.1056(1)(i)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C. Risk Characterization:</b>			Yes	No	?	NA	Page
1.	Correct risk characterization method used (relative to indoor air, surface water, sediment, etc.)	40.0941, 40.0942	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Background identified or characterized	40.0904(2)(b), 40.1020	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	All receptors accounted for (human, environmental) or AUL applied	40.0920-40.0922	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Site activities and uses identified (current, future, any limitations that were assumed)	40.0923	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Exposure points identified (GW & soil for all RC Methods, other media for Methods 2 & 3)	40.0924	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	All exposure pathways identified and evaluated (inhalation, ingestion, dermal, etc.)	40.0925	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Hot Spot(s) addressed, identified (as Hot Spot) and not added in to other EPCs	40.0924(4), 40.0926(5)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8.	EPC calculation(s)/equations provided (including spatial and/or temporal, Hot Spots, etc.)	40.0926	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9.	EPC properly calculated (maximum concentration, 75%/10x, upper confidence limit)	40.0926(3)(a), (b), (c)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Soil/groundwater categories properly identified	40.0930	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Applicable soil and/or GW standards not exceeded (Method 1 or 2) or AUL applied	40.0973(7), 40.0988(2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Characterization of Risk to Safety is included (all methods)	40.0960	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Method 3 Public Welfare Risk Characterization is included	40.0994	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14.	Method 3 Environmental Risk Characterization – Stage 1 or 2 was completed, if applicable	40.0995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15.	Method 3 Human Health: Non-Cancer Risks < HI of 1, ELCR < than 1x10 <sup>-5</sup>	40.0993(6),(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	



# DEP BWSC RAO LEVEL 1 AUDIT FORM

**Disclaimer:** This checklist is for use by DEP in reviewing *Response Action Outcome (RAO)* Statements, and may not be relied upon for any other purpose. This checklist is not a comprehensive list of RAO requirements, which are fully set forth in MGL c. 21E and 310 CMR 40.0000. Completion of this checklist by DEP does not constitute a final agency decision, and does not create any legal rights or relieve any party of obligations that exist pursuant to applicable laws.

III. Response Action Outcome Statement (RAO):	Yes	No	?	NA	Page
1. Correct RAO Class was selected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. RAO boundaries delineated and referenced to permanent landmarks or surveyed boundaries	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Relationship of this RAO to other RAOs for the property has been defined	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Data Usability Assessment (scien. valid & defensible, precise, accurate, complete) is included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Data Representativeness Evaluation (adequate spatial and temporal data) is included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>A. CLASS A – Permanent Solutions:</b>	Yes	No	?	NA	Page
1. A background feasibility evaluation is included	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. A Permanent Solution has been achieved	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. All sources have been eliminated or controlled	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Phase IV, Phase V, or Post-RAO O&M, where required, were completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>A-1. CLASS A-1:</b>	Yes	No	?	NA	Page
1. The level of OHM at the site <i>has been</i> reduced to background	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Threats of Release Only: all TORs were eliminated, and a release of OHM has <i>not</i> occurred	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>A-2. CLASS A-2:</b>	Yes	No	?	NA	Page
1. An AUL is <i>not</i> required to maintain a condition of No Significant Risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>A-3. CLASS A-3:</b>	Yes	No	?	NA	Page
1. An AUL has been implemented to maintain a condition of No Significant Risk	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Groundwater or Soil OHM concentrations do <i>not</i> exceed UCLs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>A-4. CLASS A-4:</b>	Yes	No	?	NA	Page
1. An AUL has been implemented to maintain a condition of No Significant Risk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. OHM in soil that exceeds UCLs is beneath engineered barrier or >15 feet below ground surface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. UCL Feasibility Evaluation conducted and shows that achieving UCLs is not feasible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



# DEP BWSC RAO LEVEL 1 AUDIT FORM

Disclaimer: This checklist is for use by DEP in reviewing *Response Action Outcome (RAO) Statements*, and may not be relied upon for any other purpose. This checklist is not a comprehensive list of RAO requirements, which are fully set forth in MGL c. 21E and 310 CMR 40.0000. Completion of this checklist by DEP does not constitute a final agency decision, and does not create any legal rights or relieve any party of obligations that exist pursuant to applicable laws.

B. CLASS B – Permanent Solutions:		Yes	No	?	NA	Page
1. A condition of No Significant Risk exists	40.1045(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Remedial actions have not been conducted	40.1045(2), 40.1046(6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Where GW-1 applies, groundwater does not exceed an applicable or analogous standard	40.1046(5)(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>B-1. CLASS B-1:</b>		Yes	No	?	NA	Page
1. One or more AULs are not necessary to maintain a level of no significant risk	40.1046(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>B-2. CLASS B-2:</b>		Yes	No	?	NA	Page
1. An AUL has been implemented to maintain a condition of No Significant Risk	40.1046(2)(a), 40.1056(2)(g)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. OHM in groundwater or soil does not exceed UCLs	40.1046(2)(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>B-3. CLASS B-3:</b>		Yes	No	?	NA	Page
1. An AUL has been implemented to maintain a condition of No Significant Risk	40.1046(3)(a), 40.1056(2)(g,h)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. EPC in soil exceeds UCLs; however:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
a. OHM is located >15 feet below ground surface, AND	40.1046(3)(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. UCL Feasibility Evaluation shows that achieving UCLs is not feasible	40.1046(3)(c)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C. CLASS C – Temporary Solutions:</b>		Yes	No	?	NA	Page
1. A condition of No Substantial Hazard exists	40.1050(1)(a), 40.1051(1, 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. ID, characterization, elimination, and control or mitigation of OHM release has been demonstrated	40.1050(1)(b), 40.1056(2)(d)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Soil and/or groundwater concentrations exceed applicable or analogous standards or UCLs	40.1050(2)(a, b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Phase II and Phase III reports were submitted, or DPS Opinion was submitted	40.1050(3), 40.1050(4)(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. A plan with definitive and enterprising steps toward a Permanent Solution has been submitted	40.1051(3)(a), 40.1051(4)(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C-1. Class C-1:</b>		Yes	No	?	NA	Page
1. Valid feasibility evaluation - Permanent Solution currently cannot be achieved.	40.1051(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C-2. Class C-2:</b>		Yes	No	?	NA	Page
2. Site has a valid Tier I Permit, Permit Extension, or Tier 2 status	40.1051(4)(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Auditor Initials: DEB

RTN: 1-15718

Screened Date: 8/8/08

# **AUL LEVEL 2 REVIEW FORM** **Checklist for Notice of Activity and Use Limitation -- MCP as amended April 3, 2006 -- Form 1075**

NOTE: This checklist is intended solely as guidance, and is not a substitute for the regulations. Parties implementing AULs should carefully consult 310 CMR 40.0000 (the MCP), for general and specific regulatory requirements for AULs.

REQUIREMENT FOR COMPLETING FORM 1075						Reference(s)	Notes
1.	Is the Form's boilerplate unaltered, except where alterations are allowed through bracketed language? Indicate No only if significant	<input checked="" type="checkbox"/>	<input type="checkbox"/>			40.1074(1)(a)	
2.	Is the address of the Property subject to the AUL identified (City/Town & County)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			40.1074(2)(a)1	
3.	In Paragraph 3, is reference made to a survey plan of the Property? (Indicate the form of reference below) <input checked="" type="checkbox"/> Registry of Deeds, Plan Book & Plan Number (if Property is unregistered land) <input type="checkbox"/> Land Court Plan Number (if Property is registered land)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			40.1074(2)(a)3	
4.	Is it clear that the AUL applies to the entire Property, or only to a Portion of the Property? <input checked="" type="checkbox"/> Entire Property <input type="checkbox"/> Portion of the Property (check which applies)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			40.1074(2)(a)1	
5.	If only a Portion of the Property is subject to the AUL: Is reference made in Paragraph 4 to a survey plan of the Portion of the Property subject to the AUL? (If yes, indicate the form of reference below) <input type="checkbox"/> Registry of Deeds, Plan Book & Plan Number (unregistered land) <input type="checkbox"/> Sketch Plan "attached hereto and filed herewith for registration" (registered land)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applicable (AUL applies to entire property)	40.1074(2)(a)4, b or 40.1074(2)(a)4, a	
6.	In Paragraph 8, does the Form include a clear and understandable description of permitted activities and uses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			40.1074(2)(e)	
7.	In Paragraph 9, does the Form include a clear and understandable description of inconsistent activities and uses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			40.1074(2)(g)	
8.	Is use of groundwater unrestricted? (AUL does not limit access to and/or use of groundwater in order to achieve a condition of No Significant Risk)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			40.1074(1)(d)	
9.	Are private wells allowed? (AUL does not identify use of a private well as a drinking water source as an inconsistent use pursuant to 310 CMR 40.0932(5)(d)1.c)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			40.1074(1)(d)	
10.	In Paragraph 10, does the Form include a clear and understandable description of obligations and conditions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			40.1074(2)(f)	
11.	Do descriptions of consistent (permitted) activities and uses, inconsistent activities and uses, and obligations and conditions in the Form agree with the AUL Opinion?	<input checked="" type="checkbox"/>	<input type="checkbox"/>			From above, as applicable	

12.	Is the Form signed by the property owner(s) in Paragraph 17?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Can't tell	40.1074(2)(i)	
13.	Is(are) the property owner(s)'s signature authorized and binding? (Check one below) <input type="checkbox"/> Sole ownership: signed by sole owner <input type="checkbox"/> Joint ownership: signed by all owners <input type="checkbox"/> Trust: Signed in accordance with requirements established by the trust document <input type="checkbox"/> Corporation: Certificate of incumbency attached AND (Check one) <input type="checkbox"/> Signed by President and Treasurer or Assistant Treasurer <input type="checkbox"/> Signed by Vice President and Treasurer or Assistant Treasurer <input type="checkbox"/> Signed by other officer(s) authorized by vote of the Board of Directors, with vote authorizing said officer(s) attached to Form <input checked="" type="checkbox"/> Other (explain): Real Estate Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Can't tell, documentation not provided.	40.1074(2)(c)	
14.	Is the Form signed by an LSP in Paragraph 19?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		40.1074(2)(i)	
15.	Is LSP's signature sealed with LSP stamp?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No signature	40.1074(2)(i)	
REQUIRED ATTACHMENTS TO FORM 1075							
	EXHIBITS A, A-1, A-2	Y	N		Not Applicable	Reference(s)	Notes
16.	Is a legal description of the Property subject to the AUL (either a running description or a bounding description) attached as Exhibit A? (Check one): <input checked="" type="checkbox"/> Running (metes & bounds) description (if Property is unregistered land) <input type="checkbox"/> Bounding description (if Property is registered land)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		40.1074(2)(a)2	
(a)	Does the legal description of the Property containing the area subject to the AUL (Exhibit A) conform to the Land Court or survey plan of the Property?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not provided Not clear	40.1074(2)(a)2	Plan available on-line
17.	If only a Portion of the Property is subject to the AUL, is a legal description of that Portion (running description) attached as Exhibit A-1?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> AUL applies to entire Property	40.1074(2)(a)4	
(a)	If only a portion of the Property is subject to the AUL, does the legal description of the Portion of the Property (Exhibit A-1) conform to the survey plan of the Portion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Survey plan not provided	40.1074(2)(a)4	n/a
18.	If Property is registered and only a Portion of the Property is subject to the AUL, is an 8.5" x 11" survey plan of the restricted Portion attached as Exhibit A-2?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> AUL applies to entire Property <input type="checkbox"/> Unregistered <input type="checkbox"/> No plan	40.1074(2)(a) 4.a	
(a)	If registered land, is the legal description consistent with the survey plan of the restricted Portion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Unregistered	40.1074(2)(a) 4.a	

	EXHIBIT B – SKETCH PLAN	Y	N	Not Applicable	Reference(s)	Notes
19.	Is a sketch plan attached as Exhibit B?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		40.1074(2)(a)5	
(a)	Is the sketch plan consistent with the Form (e.g. if the Form indicates that only a Portion of the Property is restricted, does the sketch plan conform)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> No sketch	40.1074(2)(a)5	
(b)	Does the sketch plan clearly illustrate the relationship of the area subject to the AUL to the boundaries of the Disposal Site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> No sketch	40.1074(2)(a)5	
	EXHIBIT C – AUL OPINION	Y	N	No Opinion	Reference	Notes
20.	Is the Activity and Use Limitation Opinion, in narrative form, attached as Exhibit C?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40.1074(1)(b)	
	Does the AUL Opinion specify permitted activities and uses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40.1074(1)(b)3	
(b)	Does the AUL Opinion specify inconsistent activities and uses?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40.1074(1)(b)2	
(c)	Does the AUL Opinion specify obligations and conditions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40.1074(1)(b)4	
21.	Are the Opinion's descriptions of permitted activities and uses, inconsistent activities and uses, and obligations and conditions consistent with each other?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40.1074(1)(b)1a or 40.1074(1)(b)1b	
22.	Does AUL Opinion specify why AUL is appropriate to achieve and/or maintain a condition of No Significant Risk or eliminate a substantial hazard?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40.1074(1)(b)1	
	EXHIBIT D – BWSC TRANSMITTAL FORM 113A	Y	N		Reference	Notes
23.	Is Transmittal Form 113A with LSP seal and signature attached as an Exhibit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40.1074(1)(b)	
	EXHIBIT E – DOCUMENTATION OF SIGNATORY AUTHORITY	Y	N		Reference	Notes
24.	If the person signing the AUL is not an individual signing on his/her own behalf, is there documentation of the person's signatory authority attached as an Exhibit?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Individual(s) signing for self	40.1074(2)(c)	

NOTICE REQUIREMENTS AND DOCUMENTATION				Y	N	Not Applicable	Reference(s)	Notes
25.	Was certification provided of notice to all record interest holders?			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> No record interest holders	40.1074(1)(e) BWSC Form 113	
26.	Was a copy of the Form forwarded to the following local officials within 30 days of being recorded or registered? <input checked="" type="checkbox"/> Chief Municipal Officer <input checked="" type="checkbox"/> Board of Health <input checked="" type="checkbox"/> Zoning Official <input checked="" type="checkbox"/> Building Code Enforcement Official			<input checked="" type="checkbox"/>	<input type="checkbox"/>		40.1403(7)(a) BWSC Form 113	
27.	Was a notice of the AUL published in a local newspaper within 30 days of the AUL being recorded or registered, identifying the following? <input checked="" type="checkbox"/> The name, complete address, and RTN of the Disposal Site <input checked="" type="checkbox"/> The type of Activity and Use Limitation (i.e., Notice of Activity and Use Limitation) <input checked="" type="checkbox"/> Information about where the AUL and site file can be reviewed <input checked="" type="checkbox"/> The name, address and phone number of the person(s) recording the AUL			<input checked="" type="checkbox"/>	<input type="checkbox"/>		40.1403(7)(b) BWSC Form 113	
28.	Was the AUL recorded at the Registry of Deeds and/or registered at the Land Registration Office?			<input checked="" type="checkbox"/>	<input type="checkbox"/>		40.1074(3)	
29.	If land is unregistered: was a survey plan of the Property containing the area subject to the AUL recorded as a Plan with the Registry of Deeds prior to or with the recording of the AUL?			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Registered <input type="checkbox"/> Unclear	40.1074(2)(a)3	
30.	If land is unregistered and only a Portion of the Property is subject to the AUL: was a survey plan of the Portion of the Property recorded as a Plan with the Registry of Deeds prior to or with the recording of the AUL?			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Not a portion <input type="checkbox"/> Registered <input type="checkbox"/> Unclear	40.1074(2)(a) 4.b	
31.	Within 30 days of recording/ registering the AUL, was DEP sent a certified copy of the AUL with proof of recording/registration (i.e., Is Registrar's stamp on the document, indicating it is certified)? If yes, check one option below: <input type="checkbox"/> AUL marked with a Registry stamp indicating an Instrument Number (if Property is unregistered land and Book and Page Number have not yet been assigned) <input checked="" type="checkbox"/> AUL marked with a Registry stamp indicating a Book and Page Number (if Property is unregistered land and Book and Page Number have been assigned) <input type="checkbox"/> AUL marked with a Land Registration stamp indicating a Land Registration Document Number (if Property is registered land)			<input checked="" type="checkbox"/>	<input type="checkbox"/>		40.1074(4)(a)	
32.	Within 30 days of recording/ registering the AUL, did DEP receive a Registry copy of the survey plan(s) referenced in the AUL, bearing the book and plan numbers?			<input type="checkbox"/>	<input checked="" type="checkbox"/>		40.1074(4)(b)	
REQUIREMENTS FOR CONFIRMATORY AULS ONLY								
33.	Is the word "Confirmatory" appropriately included in the locations indicated?			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A	40.1085(4)(a)	
34.	Is optional Paragraph 16 appropriately included to indicate that the AUL is Confirmatory?			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A	40.1085(4)(a)	
35.	Does Paragraph 16 identify the date, Registry, book and page number of the original AUL?			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A	40.1085(4)(a)	
36.	Are the errors in the original AUL listed in Paragraph 16?			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> N/A	40.1085(4)(a)	





CORPORATE ENVIRONMENTAL ADVISORS, INC.



*Via Delivery Confirmation*

April 9, 2008

Commonwealth of Massachusetts  
Department of Environmental Protection  
Western Regional Office  
436 Dwight Street, Suite 402  
Springfield, MA 01103

**Re: Legal Notice - Notice of AUL  
Sunoco Station  
88-90 South Maple Street, Westfield, MA (DUNS: 0374-5593)  
MADEP RTN(s): 1-15718 and 1-16079**

To Whom It May Concern:

On behalf of Sunoco, Inc., Corporate Environmental Advisors, Inc. (CEA) has enclosed a copy of the legal notice printed in the *Westfield Evening News* on March 28, 2008 for the above Notice of Activity and Use Limitation (AUL).

Please contact the undersigned at (508)835-8822 if you have any questions.

Sincerely,  
*Corporate Environmental Advisors, Inc.*

Scott VanderSea, LSP  
Principal Hydrogeologist

attachments

cc: Mr. William Brochu, Sunoco, Inc.

[www.cea-inc.com](http://www.cea-inc.com)

CORPORATE HEADQUARTERS: HARTWELL BUSINESS PARK • 127 HARTWELL STREET • WEST BOYLSTON, MA 01583 • PHONE: 508-835-8822 • FAX: 508-835-8812

*Solutions Since 1985*

*OFFICES IN MASSACHUSETTS, CONNECTICUT, RHODE ISLAND & NEW HAMPSHIRE*

Screening will be in-depth evaluation of how a child is in different areas of development. This screening is mandated by Law. A screening team of specialists will be in the children's development several areas, namely: language, gross and fine motor skills, behavior and physical development. Screening will take place at each elementary school. Parents should contact the elementary school that the children in their neighborhood attend: Abner 572-6418, Franklin Avenue 572-6428, Highland 572-6428, Park 572-8280, Moseley 572-6520, Munger Hill 572-6520, Mill 572-6519, or Norton Road 572-6435, as possible to make arrangements for registration. The school will help you set up the event and will then make arrangements for you to obtain the containing registration information to be filled out. Due to the high volume of students, parents are absolutely necessary if you are not sure of the school, please call the parent's Office at 572-6403 at the school the children in their neighborhood attend.)

## Rocco's Women's Meeting

WESTFIELD - St. Rocco's Women's Club will meet **Monday, April 14, 2008, 7:00 p.m.** Hostess for the evening are Carmel Anne, Fran Benson and Sandy Embers are asked to bring a dish to The Forum House.

## National Session on Aging's Understanding of Medicine Series, My Aching Back! and Common Back Problems to be Offered

WESTFIELD - How can older adults avoid morning stiffness in their backs? How important is exercising to prevent back pain? When are back problems serious enough to be considered? In the session of the Westfield Aging's Understanding of Medicine Series, "My Aching Back! and Common Back Problems," Dr. Gary Gorman, a chiropractor at RiverBend Medical will discuss stenosis, disc problems, lumbago, and neck problems. The series is being held on the first Thursday of the month from 10 to 11 a.m. in the Senior Center Craft Room. It is because of Dr. Gorman's expertise this month's session will

Additional are not musicians must be able to read music. For more information, call 860-668-0870.

## St. Peter and St. Casimir Annual Tag Sale

WESTFIELD - Mark your calendars for our annual Tag Sale. This year it will be **Thursday and Friday, April 10th and 11th** from 9 a.m. to 3 p.m. and on **Saturday, April 12th** from 9 a.m. to 12 p.m. at our Social Center at 34 State Street. This is a very popular event with a wide variety of items at fantastic prices. We look forward to seeing you and Thank you for your support.

## Disability Plates and Placards ~ Are You Eligible?

WESTFIELD - Who is eligible to have a disability license plate? How can such a plate be obtained and what are the legal uses? Paul Leary, Assistant Manager of the Worcester Registry of Motor Vehicles will answer those questions and provide clarification on Massachusetts laws regarding older drivers during a presentation on **Thursday, April 10th at 1 p.m.** at the Westfield Senior Center. Please sign up by calling the Senior Center at 562-6435 or adding your name to the list in the Senior Center foyer.

## "Into the Woods" by WHS Drama Society

WESTFIELD - Westfield High School Drama Society presents their annual Spring Musical production of "Into the Woods". Complete with a Stephen Sondheim musical score and an interesting twist to the fairy tales we know from childhood, this is sure to be entertaining for all!

The show will run from **Thursday, April 10th through Saturday, April 12th** in the high school auditorium. Don't miss this opportunity for quality theatre in your local community.

Doors open at 6:30, curtain at 7 p.m. Tickets will be available at the door.

## Trip to North Hadley Sugar Shack with SSC

SOUTHWICK - The Southwick Senior Center will be taking a trip to North Hadley Sugar Shack on **April 16th**. We will leave at 9:00 a.m. and return between 1 and 2 p.m. The cost will be \$2.00 and breakfast on your own. You will enjoy breakfast and also see how maple sugar is

CHAIRMAN

March 28, 2008

## NOTICE OF ACTIVITY AND USE LIMITATION

Sunoco Station  
88-90 South Maple Street,  
Westfield, MA 01085  
RTNs 1-15718 and 1-16079

A release of oil and/or hazardous materials has occurred at this location, which is a disposal site as defined by M.G.L. c. 21E, § 2 and the Massachusetts Contingency Plan, 310 CMR 40.0000. On March 6, 2008, Sunoco, Inc. recorded with the Hampden County Registry of Deeds Office a NOTICE OF ACTIVITY AND USE LIMITATION on the disposal site, pursuant to 310 CMR 40.1070 through 40.1080.

The NOTICE OF ACTIVITY AND USE LIMITATION will limit the following site activities and uses on the above property:

(i) Activities and/or uses which involve the removal and/or disturbance of the pavement, concrete, building foundations or other permanent structures in the AUL Area and/or the disturbance of the petroleum and/or PCB-impacted soil located beneath the pavement, concrete or other permanent structures without prior development of a Soil Management Plan and a Health and Safety Plan. Such activities will be conducted under the supervision of an LSP and in accordance with Obligations (i) and (ii) of this Notice;

(ii) Relocation of the petroleum and/or PCB-impacted soil from beneath the pavement and/or building foundations unless an LSP renders an Opinion which states that such relocation is consistent with maintaining a condition of No Significant Risk; and

(iii) Activities and/or uses which will cause physical or chemical deterioration, breakage, or structural damage to the pavement or concrete and permit contact to petroleum and/or PCB-impacted soils.

(iv) Use of the property for agriculture or as a residence, school, daycare facility, recreation area and/or other use at which a child's frequent presence is likely.

Any person interested in obtaining additional information about the NOTICE OF ACTIVITY AND USE LIMITATION may contact Mr. William Brochu of Sunoco, Inc. at 4 Bellows Road, P.O. Box 1262, Westborough, MA 01581, (603) 715-1220.

The NOTICE OF ACTIVITY AND USE LIMITATION and the disposal site file can be reviewed at MassDEP, 436 Dwight Street, Springfield, MA 01103, (413) 784-1100.

March 28, 2008

TOWN OF SOUTHWICK  
CONSERVATION COMMISSION

The Southwick Conservation Commission will hold a public hearing under the Massachusetts Wetland Protection Act, G.L. c. 131 § 40 and the South-

## EMAIL Help Wanted Ads to:

diane.disanto@wenpub.com

AVON FULL/PART-TIME you decide. Up to 50% profit! + Free gift. Start up fee \$10. Call Lori, ISR, (800)694-5132. www.youravon.com/Lbazzano

## COMPOSING ROOM DIRECTOR

Full time opportunity available for a dependable, energetic, enthusiastic, detail oriented individual.

Duties include composing newspaper advertising, paste-up and overseeing all aspects of managing art room personnel as well as working closely with all other departments.

Experience required in the use of Mac computers, Quark, Acrobat software and internet programs. Salary range \$32-\$35K as well as excellent benefits.

Please fax resume to:  
Westfield Evening News  
Human Resources Dept.  
(413)562-4185 or email  
advertising@wenpub.com

## WAREHOUSE

Established company in Westfield warehouse clerk. Entry level position. Overtime required. Competitive wages. Applications are now being accepted. Before April 4, at Camfour bet.

No Faxes or Phone

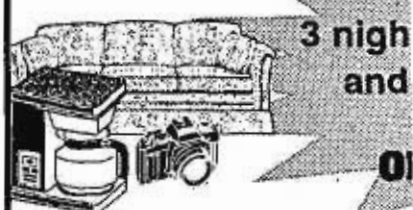
Cam

65 Westfield Industrial Park Rd

## Cleaning

Put our class by placing a classified

## WE'RE HAVING A



3 night and

CALL 562-4181 ext 1 and ask for "No Tag Sale"





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC113

ACTIVITY & USE LIMITATION (AUL) TRANSMITTAL FORM

Pursuant to 310 CMR 40.1056 & 40.1070 - 40.1084 (Subpart J)

Release Tracking Number

1 - 15718



A. DISPOSAL SITE LOCATION:

1. Disposal Site Name: NO LOCATION AID

2. Street Address: 88-90 MAPLE ST

3. City/Town: WESTFIELD

4. ZIP Code:

☒ 5. Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.

☐ a. Tier 1A ☐ b. Tier 1B ☐ c. Tier 1C ☒ d. Tier 2

6. If a Tier I Permit has been issued, provide Permit Number:

B. THIS FORM IS BEING USED TO: (check one)

☒ 1. Submit a certified copy of a Notice of Activity and Use Limitation, pursuant to 310 CMR 40.1074.

☐ 2. Submit an Evaluation of Changes in Land Uses/Activities and/or Site Conditions after a Response Action Outcome Statement has been filed pursuant to 310 CMR 40.1080.

☐ 3. Submit a certified copy of an Amended Notice of Activity and Use Limitation, pursuant to 310 CMR 40.1081

☐ 4. Submit a certified copy of a Partial Termination of a Notice of Activity and Use Limitation, pursuant to 310 CMR 40.1083(3).

☐ 5. Submit a certified copy of a Termination of a Notice of Activity and Use Limitation, pursuant to 310 CMR 40.1083(1)(d).

☐ 6. Submit a certified copy of a Grant of Environmental Restriction, pursuant to 310 CMR 40.1071.

☐ 7. Submit a certified copy of an Amendment of a Grant of Environmental Restriction, pursuant to 310 CMR 40.1081(3).

☐ 8. Submit a certified copy of a Partial Release of a Grant of Environmental Restriction, pursuant to 310 CMR 40.1083(2).

☐ 9. Submit a certified copy of a Release of a Grant of Environmental Restriction, pursuant to 310 CMR 40.1083(1)(c).

☐ 10. Submit a certified copy of a Confirmatory Activity and Use Limitation, pursuant to 310 CMR 40.1085(4).

11. Provide Additional RTNs:

☒ a. Check here if this AUL Submittal covers additional Release Tracking Numbers (RTNs).

b. Provide the additional Release Tracking Number(s) covered by this AUL Submittal.

1 - 16079

-

(All sections of this transmittal form must be filled out unless otherwise noted above.  
BWSC113A is required for all submittals listed above)



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC113

ACTIVITY & USE LIMITATION (AUL) TRANSMITTAL FORM

Pursuant to 310 CMR 40.1056 & 40.1070 - 40.1084 (Subpart J)

Release Tracking Number

1 - 15718

C. AUL INFORMATION:

1. Document (per Section B) Recording and/or Registration Information:

a. Name of Registry of Deeds and/or Land Registration Office: **HAMPDEN COUNTY REGISTRY OF DEEDS**

b. Book and Page Number and/or Document Number: **BOOK 17183, PAGE 102**

c. Date of recording and/or registration: **3/6/2008**

mm/dd/yyyy

2. Is the address of the property subject to AUL different from the disposal site address listed above?

☒ a. No ☐ b. Yes If yes, then fill out address section below.

3. Street Address: \_\_\_\_\_

4. City/Town: \_\_\_\_\_ 5. ZIP Code: \_\_\_\_\_

D. PERSON SUBMITTING AUL TRANSMITTAL FORM:

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☒ c. change in the person undertaking response actions

2. Name of Organization: **SUNOCO, INC. (R&M)**

3. Contact First Name: **ROY**

4. Last Name: **LANCE**

5. Street: **1735 MARKET STREET**

6. Title: **MANAGER, REAL ESTATE**

7. City/Town: **PHILADELPHIA**

8. State: **PA**

9. ZIP Code: **19103-0000**

10. Telephone: **(215) 977-6929**

11. Ext.: \_\_\_\_\_

12. FAX: \_\_\_\_\_

13. Is the person described in this section the owner of the property?

☒ a. Yes ☐ b. No, if checked then Section G must be filled out by at least one owner.

☐ c. Check here if providing names and addresses of any additional owners in an attachment.

E. RELATIONSHIP TO DISPOSAL SITE OF PERSON SUBMITTING AUL TRANSMITTAL FORM: (check one)

☒ 1. RP or PRP ☒ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter

☐ e. Other RP or PRP Specify: \_\_\_\_\_

☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ 4. Any Other Person Submitting AUL Specify: \_\_\_\_\_



Massachusetts Department of Environmental Protection  
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ACTIVITY & USE LIMITATION (AUL) TRANSMITTAL FORM

Release Tracking Number

Pursuant to 310 CMR 40.1056 & 40.1070 - 40.1084 (Subpart J)

1 - 15718

F. REQUIRED ATTACHMENT AND SUBMITTALS:

- ☐ 1. Check here to certify that notice of the proposed Activity and Use Limitation (AUL) was given to all record-interest holders, if any, in accordance with 310 CMR 40.1074(1)(e), via certified mail.
- ☒ a. Check here if there were no record interest holders.      b. Date of certified mailing: \_\_\_\_\_  
mm/dd/yyyy
- ☐ c. Check here to certify that names and addresses of all record holders notified is attached.
- ☒ 2. Check here to certify that within 30 days of recording and/or registering the AUL, including amending, releasing or terminating the AUL, a copy of the AUL was/will be provided to the Chief Municipal Officer, the Board of Health, the Zoning Official, and the Building Code Enforcement Official in the community(ies) where the the property subject to such Activity and Use Limitation is located.
- ☒ 3. Check here to certify that within 30 days of recording and/or registering the AUL, including amending, releasing or terminating the AUL, a Legal Notice was/will be published in a newspaper with circulation in the community(ies) where the property subject to the AUL is located.
- ☒ 4. Check here to certify that within 7 days of publishing a Legal Notice in a newspaper with circulation in the community(ies) where the property subject to the AUL is located, a copy of the notice was/will be submitted to DEP.
- ☒ 5. Check here to certify that within 30 days of recording and/or registering the AUL, including amending, releasing or terminating the AUL, a certified copy of the AUL, including the LSP Opinion containing the material facts, data, and other information, will be submitted to DEP.
- ☐ 6. Check here if any non-updatable information provided on this form is incorrect, e.g. Site Address/Location Aid. Send corrections to the DEP Regional Office.
- ☐ 7. If an Evaluation of Changes in Land Uses/Activities and/or Site Conditions after a Response Action Outcome Statement is being submitted, check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.

G. CERTIFICATION OF OWNER OF PROPERTY, IF NOT PERSON SUBMITTING AUL TRANSMITTAL FORM:

1. I, \_\_\_\_\_, attest under the pains and penalties of perjury that I am the owner of said property(ies), subject to the AUL

2. \_\_\_\_\_ 3. Date: \_\_\_\_\_  
Signature mm/dd/yyyy

4. Name of Organization: \_\_\_\_\_

5. Contact First Name: \_\_\_\_\_ 6. Last Name: \_\_\_\_\_

7. Street: \_\_\_\_\_ 8. Title: \_\_\_\_\_

9. City/Town: \_\_\_\_\_ 10. State: \_\_\_\_\_ 11. ZIP Code: \_\_\_\_\_

12. Telephone: \_\_\_\_\_ 13. Ext.: \_\_\_\_\_ 14. FAX: \_\_\_\_\_



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC113

ACTIVITY & USE LIMITATION (AUL) TRANSMITTAL FORM

Release Tracking Number

Pursuant to 310 CMR 40.1056 & 40.1070 - 40.1084 (Subpart J)

1 - 15718

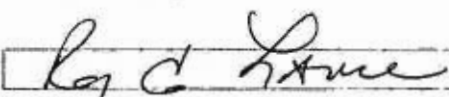
H. CERTIFICATION OF PERSON MAKING SUBMITTAL:

1. I, **ROY LANCE**, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Pursuant to 310 CMR 40.1074 (1)(f), I also hereby certify under penalties of perjury, that either I (if person submitting the AUL Transmittal Form is the property owner), or

2. Name of Property Owner

am/is identified on the Notice of AUL as the owner of the property subject to the AUL, owned such property on the date that the AUL was recorded and /or registered

3. By:   
Signature

4. Title: **MANAGER, REAL ESTATE**

5. For: **SUNOCO, INC. (R&M)**  
(Name of person or entity recorded in Section D)

6. Date: **03/24/2008**  
mm/dd/yyyy

☐ 7. Check here if the address of the person providing certification is different from address recorded in Section D.

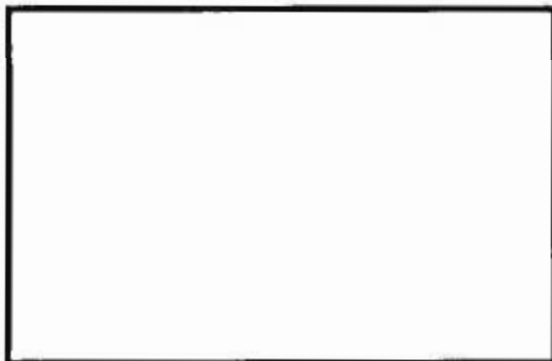
8. Street: \_\_\_\_\_

9. City/Town: \_\_\_\_\_ 10. State: \_\_\_\_\_ 11. ZIP Code: \_\_\_\_\_

12. Telephone: \_\_\_\_\_ 13. Ext.: \_\_\_\_\_ 14. FAX: \_\_\_\_\_

**YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.**

Date Stamp (DEP USE ONLY:)





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC104

**RESPONSE ACTION OUTCOME (RAO) STATEMENT**

Pursuant to 310 CMR 40.1000 (Subpart J)

Release Tracking Number

1 - 15718

For sites with multiple RTNs, enter the Primary RTN above.

**A. SITE LOCATION:**

1. Site Name/Location Aid: **NO LOCATION AID**

2. Street Address: **88-90 MAPLE ST**

3. City/Town: **WESTFIELD**

4. ZIP Code:

☒ 5. Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☒ d. Tier II

6. If a Tier I Permit has been issued, provide Permit Number:

**B. THIS FORM IS BEING USED TO:** (check all that apply)

1. List Submittal Date of RAO Statement (if previously submitted):

mm/dd/yyyy

☒ 2. Submit a **Response Action Outcome (RAO) Statement**

☒ a. Check here if this RAO Statement covers additional Release Tracking Numbers (RTNs). RTNs that have been previously linked to a Tier Classified Primary RTN do not need to be listed here.

b. Provide additional Release Tracking Number(s) covered by this RAO Statement.

1 - 16079

☐ 3. Submit a **Revised Response Action Outcome Statement**

☐ a. Check here if this Revised RAO Statement covers additional Release Tracking Numbers (RTNs), not listed on the RAO Statement or previously submitted Revised RAO Statements. RTNs that have been previously linked to a Tier Classified Primary RTN do not need to be listed here.

b. Provide additional Release Tracking Number(s) covered by this RAO Statement.

☐ 4. Submit a **Response Action Outcome Partial (RAO-P) Statement**

Check above box, if any Response Actions remain to be taken to address conditions associated with this disposal site having the Primary RTN listed in the header section of this transmittal form. This RAO Statement will record only an RAO-Partial Statement for that RTN. A final RAO Statement will need to be submitted that references all RAO-Partial Statements and, if applicable, covers any remaining conditions not covered by the RAO-Partial Statements.

Also, specify if you are an Eligible Person or Tenant pursuant to M.G.L. c. 21E s.2, and have no further obligation to conduct response actions on the remaining portion(s) of the disposal site:

☐ a. Eligible Person ☐ b. Eligible Tenant

☐ 5. Submit an optional **Phase I Completion Statement** supporting an RAO Statement

☐ 6. Submit a **Periodic Review Opinion** evaluating the status of a Temporary Solution for a Class C-1 RAO Statement, as specified in 310 CMR 40.1051 (Section F is optional)

☐ 7. Submit a **Retraction** of a previously submitted **Response Action Outcome Statement** (Sections E & F are not required)

(All sections of this transmittal form must be filled out unless otherwise noted above)





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC104

RESPONSE ACTION OUTCOME (RAO) STATEMENT

Pursuant to 310 CMR 40.1000 (Subpart J)

Release Tracking Number

1 - 15718

C. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply; for volumes, list cumulative amounts)

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> 1. Assessment and/or Monitoring Only     | <input type="checkbox"/> 2. Temporary Covers or Caps    |
| <input type="checkbox"/> 3. Deployment of Absorbent or Containment Materials | <input type="checkbox"/> 4. Treatment of Water Supplies |
| <input type="checkbox"/> 5. Structure Venting System                         | <input type="checkbox"/> 6. Engineered Barrier          |
| <input type="checkbox"/> 7. Product or NAPL Recovery                         | <input type="checkbox"/> 8. Fencing and Sign Posting    |
| <input type="checkbox"/> 9. Groundwater Treatment Systems                    | <input type="checkbox"/> 10. Soil Vapor Extraction      |
| <input type="checkbox"/> 11. Bioremediation                                  | <input type="checkbox"/> 12. Air Sparging               |
| <input type="checkbox"/> 13. Monitored Natural Attenuation                   | <input type="checkbox"/> 14. In-situ Chemical Oxidation |

☒ 15. Removal of Contaminated Soils

☒ a. Re-use, Recycling or Treatment ☐ i. On Site Estimated volume in cubic yards \_\_\_\_\_

☒ ii. Off Site Estimated volume in cubic yards 20

ii.a. Facility Name: ESMI Town: LOUDON State: NH

ii.b. Facility Name: TED ONDRICK CO. Town: CHICOPEE State: MA

iii. Describe: 5 YDS TO ONDRICK ON 8/8/05; 10-15-YDS TO ESMI ON 1/9/06

☐ b. Landfill

☐ i. Cover Estimated volume in cubic yards \_\_\_\_\_

Facility Name: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ ii. Disposal Estimated volume in cubic yards \_\_\_\_\_

Facility Name: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ 16. Removal of Drums, Tanks or Containers:

a. Describe Quantity and Amount: \_\_\_\_\_

b. Facility Name: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

c. Facility Name: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ 17. Removal of Other Contaminated Media:

a. Specify Type and Volume: \_\_\_\_\_

b. Facility Name: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

c. Facility Name: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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RESPONSE ACTION OUTCOME (RAO) STATEMENT

Pursuant to 310 CMR 40.1000 (Subpart J)

Release Tracking Number

1 - 15718

C. DESCRIPTION OF RESPONSE ACTIONS (cont.): (check all that apply; for volumes, list cumulative amounts)

☐ 18. Other Response Actions:

Describe: \_\_\_\_\_

☐ 19. Use of Innovative Technologies:

Describe: \_\_\_\_\_

D. SITE USE:

1. Are the response actions that are the subject of this submittal associated with the *redevelopment, reuse* or the *major expansion of the current use* of property(ies) impacted by the presence of oil and/or hazardous materials?

☐ a. Yes ☒ b. No ☐ c. Don't know

2. Is the property a *vacant or under-utilized commercial or industrial property* ("a brownfield property")?

☐ a. Yes ☒ b. No ☐ c. Don't know

3. Will funds from a state or federal brownfield incentive program be used on one or more of the property(ies) within the disposal site?

☐ a. Yes ☒ b. No ☐ c. Don't know If Yes, identify program(s): \_\_\_\_\_

4. Has a Covenant Not to Sue been obtained or sought?

☐ a. Yes ☒ b. No ☐ c. Don't know

5. Check all applicable categories that apply to the person making this submittal: ☐ a. Redevelopment Agency or Authority

☐ b. Community Development Corporation ☐ c. Economic Development and Industrial Corporation

☐ d. Private Developer ☐ e. Fiduciary ☐ f. Secured Lender ☐ g. Municipality

☐ h. Potential Buyer (non-owner) ☒ i. Other, describe: **PROPERTY OWNER**

This data will be used by MassDEP for information purposes only, and does not represent or create any legal commitment, obligation or liability on the part of the party or person providing this data to MassDEP.

E. RESPONSE ACTION OUTCOME CLASS:

Specify the Class of Response Action Outcome that applies to the disposal site, or site of the Threat of Release. Select **ONLY** one Class.

☐ 1. **Class A-1 RAO:** Specify one of the following:

☐ a. Contamination has been reduced to background levels. ☐ b. A Threat of Release has been eliminated.

☐ 2. **Class A-2 RAO:** You **MUST** provide justification that reducing contamination to or approaching background levels is infeasible.

☒ 3. **Class A-3 RAO:** You **MUST** provide an implemented Activity and Use Limitation (AUL) and justification that reducing contamination to or approaching background levels is infeasible.

☐ 4. **Class A-4 RAO:** You **MUST** provide an implemented AUL, justification that reducing contamination to or approaching background levels is infeasible, and justification that reducing contamination to less than Upper Concentration Limits (UCLs) 15 feet below ground surface or below an Engineered Barrier is infeasible. If the Permanent Solution relies upon an Engineered Barrier, you must provide or have previously provided a Phase III Remedial Action Plan that justifies the selection of the Engineered Barrier.





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC104

RESPONSE ACTION OUTCOME (RAO) STATEMENT

Pursuant to 310 CMR 40.1000 (Subpart J)

Release Tracking Number

1 - 15718

E. RESPONSE ACTION OUTCOME CLASS (cont.):

- ☐ 5. Class B-1 RAO: Specify one of the following:
- ☐ a. Contamination is consistent with background levels ☐ b. Contamination is **NOT** consistent with background levels.
- ☐ 6. Class B-2 RAO: You **MUST** provide an implemented AUL.
- ☐ 7. Class B-3 RAO: You **MUST** provide an implemented AUL and justification that reducing contamination to less than Upper Concentration Limits (UCLs) 15 feet below ground surface is infeasible.
- ☐ 8. Class C-1 RAO: You must submit a plan as specified at 310 CMR 40.0861(2)(h). Indicate type of ongoing response actions.
- ☐ a. Active Remedial System ☐ b. Active Remedial Monitoring Program ☐ c. None
- ☐ d. Other Specify: \_\_\_\_\_
- ☐ 9. Class C-2 RAO: You must hold a valid Tier I Permit or Tier II Classification to continue response actions toward a Permanent Solution.

F. RESPONSE ACTION OUTCOME INFORMATION:

1. Specify the Risk Characterization Method(s) used to achieve the RAO described above:
- ☐ a. Method 1 ☐ b. Method 2 ☒ c. Method 3
- ☐ d. Method Not Applicable-Contamination reduced to or consistent with background, or Threat of Release abated
2. Specify all Soil Category(ies) applicable. More than one Soil Category may apply at a Site. Be sure to check off all **APPLICABLE** categories:
- ☐ a. S-1/GW-1 ☐ d. S-2/GW-1 ☐ g. S-3/GW-1
- ☒ b. S-1/GW-2 ☒ e. S-2/GW-2 ☒ h. S-3/GW-2
- ☒ c. S-1/GW-3 ☒ f. S-2/GW-3 ☒ i. S-3/GW-3
3. Specify all Groundwater Category(ies) impacted. A site may impact more than one Groundwater Category. Be sure to check off all **IMPACTED** categories:
- ☐ a. GW-1 ☒ b. GW-2 ☒ c. GW-3 ☐ d. No Groundwater Impacted
4. Specify remediation conducted:
- ☒ a. Check here if soil remediation was conducted.
- ☐ b. Check here if groundwater remediation was conducted.
5. Specify whether the analytical data used to support the Response Action Outcome was generated pursuant to the Department's Compendium of Analytical Methods (CAM) and 310 CMR 40.1056:
- ☒ a. CAM used to support all analytical data. ☐ b. CAM used to support some of the analytical data.
- ☐ c. CAM not used.
- ☒ 6. Check here to certify that the Class A, B or C Response Action Outcome includes a Data Usability Assessment and Data Representativeness Evaluation pursuant to 310 CMR 40.1056.
7. Estimate the number of acres this RAO Statement applies to:



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC104

RESPONSE ACTION OUTCOME (RAO) STATEMENT

Release Tracking Number

Pursuant to 310 CMR 40.1000 (Subpart J)

1 - 15718

G. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B indicates that either an **RAO Statement, Phase I Completion Statement and/or Periodic Review Opinion** is being provided, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 3978

2. First Name: SCOTT E

3. Last Name: VANDERSEA

4. Telephone: (508) 835-8822

5. Ext.:

6. FAX:

7. Signature: Scott E VanderSea

8. Date: 04/02/2008

mm/dd/yyyy

9. LSP Stamp:



H. PERSON MAKING SUBMITTAL:

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☐ c. change in the person undertaking response actions

2. Name of Organization: SUNOCO INC

3. Contact First Name: WILLIAM

4. Last Name: BROCHU

5. Street: 4 BELLOWS RD PO BOX 1262

6. Title: ENGINEER

7. City/Town: WESTBOROUGH

8. State: MA

9. ZIP Code: 015811262

10. Telephone: (800) 777-6444

11. Ext.: 1357

12. FAX:



**Massachusetts Department of Environmental Protection**  
**Bureau of Waste Site Cleanup**

**BWSC104**

**RESPONSE ACTION OUTCOME (RAO) STATEMENT**

Pursuant to 310 CMR 40.1000 (Subpart J)

Release Tracking Number

**1** - **15718**

**I. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON MAKING SUBMITTAL:**

☒ 1. RP or PRP    ☐ a. Owner    ☐ b. Operator    ☐ c. Generator    ☐ d. Transporter

☒ e. Other RP or PRP Specify: **PRP GENERIC OR NON-SPECIFIED**

☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ 4. Any Other Person Making Submittal Specify Relationship: \_\_\_\_\_

**J. REQUIRED ATTACHMENT AND SUBMITTALS:**

☐ 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

☐ 2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of an RAO Statement that relies on the public way/rail right-of-way exemption from the requirements of an AUL.

☒ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of a RAO Statement with instructions on how to obtain a full copy of the report.

☒ 4. Check here to certify that documentation is attached specifying the location of the Site, or the location and boundaries of the Disposal Site subject to this RAO Statement. If submitting an RAO Statement for a PORTION of a Disposal Site, you must document the location and boundaries for both the portion subject to this submittal and, to the extent defined, the entire Disposal Site.

☒ 5. Check here to certify that, pursuant to 310 CMR 40.1406, notice was provided to the owner(s) of each property within the disposal site boundaries, or notice was not required because the disposal site boundaries are limited to property owned by the party conducting response actions. (check all that apply)

☐ a. Notice was provided prior to, or concurrent with the submittal of a Phase II Completion Statement to the Department.

☐ b. Notice was provided prior to, or concurrent with the submittal of this RAO Statement to the Department.

☒ c. Notice not required.    d. Total number of property owners notified, if applicable: \_\_\_\_\_

☒ 6. Check here if required to submit one or more AULs. You must submit an AUL Transmittal Form (BWSC113) and a copy of each implemented AUL related to this RAO Statement. Specify the type of AUL(s) below: (required for Class A-3, A-4, B-2, B-3 RAO Statements)

☒ a. Notice of Activity and Use Limitation    b. Number of Notices submitted: **1**

☐ c. Grant of Environmental Restriction    d. Number of Grants submitted: \_\_\_\_\_

☐ 7. If an RAO Compliance Fee is required for any of the RTNs listed on this transmittal form, check here to certify that an RAO Compliance Fee was submitted to DEP, P. O. Box 4062, Boston, MA 02211.

☐ 8. Check here if any non-updatable information provided on this form is incorrect, e.g. Site Address/Location Aid. Send corrections to the DEP Regional Office.

☒ 9. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC104

RESPONSE ACTION OUTCOME (RAO) STATEMENT

Pursuant to 310 CMR 40.1000 (Subpart J)

Release Tracking Number

1 - 15718

K. CERTIFICATION OF PERSON MAKING SUBMITTAL:

1. I, **WILLIAM J. BROCHU**, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: **William J. Brochu**

Signature

3. Title: **ENGINEER**

4. For: **SUNOCO INC**

(Name of person or entity recorded in Section H)

5. Date: **04/02/2008**

mm/dd/yyyy

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section H.

7. Street: \_\_\_\_\_

8. City/Town: \_\_\_\_\_ 9. State: \_\_\_\_\_ 10. ZIP Code: \_\_\_\_\_

11. Telephone: \_\_\_\_\_ 12. Ext.: \_\_\_\_\_ 13. FAX: \_\_\_\_\_

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY:)

Received by DEP on  
4/2/2008 11:45:26 AM

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Program's ID 1-15718Submission Date 4/2/2008 11:45:26 AM  
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Document	Status	Hard Copy Location	View Type	Type	Uploaded Date
<b>Main Form</b> <a href="#">BWSC 104 RAO Transmittal Form ( )</a>	Accepted	N/A	Public	Online	
<b>Related Forms</b>					
<b>Ancillary Documents - <a href="#">ADD</a> <a href="#">Upload</a></b>					
<b>BWSC-104 Ques.B2 - RAO Report Activity -<a href="#">ADD</a></b>	Accepted		Public	Online	04/02/2008

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CORPORATE ENVIRONMENTAL ADVISORS, INC.



December 18, 2007

Bureau of Waste Site Cleanup  
MA-DEP Western Region  
436 Dwight Street  
Suite 500  
Springfield, MA 01103

**RE: Bill of Lading (BOL)**  
**88-90 South Maple Street**  
**Westfield, MA**  
**DEP RTN: 1-15718**  
**CEA File No.: 5795-05**



Dear Sir or Madam:

On behalf of Sunoco, Inc. (R&M), Corporate Environmental Advisors, Inc. (CEA) has prepared the enclosed Bill of Lading (BOL) for the recycling of 0.57 tons of soil from the above-referenced property.

If you should have any questions or comments regarding this submittal, please do not hesitate to contact the undersigned at (508) 835-8822.

Sincerely,  
*CORPORATE ENVIRONMENTAL ADVISORS, INC.*

Adam Guaraldi  
Geologist I

Enclosed: BOL, BWSC-012abc

[www.cea-inc.com](http://www.cea-inc.com)

CORPORATE HEADQUARTERS: HARTWELL BUSINESS PARK • 127 HARTWELL STREET • WEST BOYLSTON, MA 01583 • PHONE: 508-835-8822 • FAX: 508-835-8812

*Solutions Since 1985*

*OFFICES IN MASSACHUSETTS, CONNECTICUT, RHODE ISLAND & NEW HAMPSHIRE*





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1 - 15718

**A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:**

Release Name (optional): Westfield Sunoco

Street: 88 South Maple Street

Location Aid: \_\_\_\_\_

City/Town: Westfield

ZIP Code: 01085

Date/Period of Generation: 6/25/07 to: 6/25/07

Additional Release Tracking Numbers Associated with this Bill of Lading: \_\_\_\_\_

\* Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.

**B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

Name of Organization: Sunoco, Inc. (R&M)

Name of Contact: William Brochu

Title: Environmental Engineer

Street: 4 Bellows Road P.O.Box 1262

City/Town: Westborough

State: MA

ZIP Code: 01581

Telephone: (603) 715-1220

Ext.: \_\_\_\_\_

**C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

☒ RP or PRP Specify: ☒ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP: \_\_\_\_\_

☐ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ Other Person: \_\_\_\_\_

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

**D. TRANSPORTER OR COMMON CARRIER INFORMATION:**

Transporter/Common Carrier Name: Corporate Environmental Advisors

Contact Person: Rich Hanson

Title: Construction Manager

Street: 127 Hartwell Street

City/Town: West Boylston

State: MA

ZIP Code: 01583

Telephone: (508) 835-8822

Ext.: \_\_\_\_\_

**E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:**

Operator/Facility Name: Ted Ondrick Company LLC

Contact Person: Ted Ondrick

Title: Owner

Street: 58 Industry Road

City/Town: Chicopee

State: MA

ZIP Code: 01020

Telephone: 413-592-2081

Ext.: \_\_\_\_\_

Type of Facility:  
(check one)

☐ Asphalt Batch/Cold Mix

☐ Landfill/Disposal

☐ Incinerator

☐ Temporary Storage

☒ Asphalt Batch/Hot Mix

☐ Landfill/Daily Cover

☐ Other: \_\_\_\_\_

☐ Thermal Processing

☐ Landfill/Structural Fill

EPA Identification #: \_\_\_\_\_

Division of Hazardous Waste/Class A Permit #: \_\_\_\_\_

Division of Solid Waste Management Permit #: WR-96-07

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): \_\_\_\_\_ to: \_\_\_\_\_

Reason for Temporary Storage: \_\_\_\_\_





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1 - 15718

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued):

Temporary Storage Address:

Street: \_\_\_\_\_

City/Town: \_\_\_\_\_

State: \_\_\_\_\_

ZIP Code: \_\_\_\_\_

F. DESCRIPTION OF REMEDIATION WASTE:

(check all that apply)

- ☒ Contaminated Media (check all that apply): ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Other: \_\_\_\_\_
- ☐ Contaminated Debris (check all that apply): ☐ Vegetation or Organic Debris ☐ Demolition/Construction Waste
- ☐ Inorganic Absorbent Materials ☐ Other: \_\_\_\_\_
- ☐ Non-hazardous Uncontainerized Waste (check all that apply): ☐ Non-aqueous Phase Liquid ☐ Other: \_\_\_\_\_
- ☐ Non-hazardous Containerized Waste (check all that apply): ☐ Tank Bottoms/Sludges ☐ Containers ☐ Drums
- ☐ Engineered Impoundments ☐ Other: \_\_\_\_\_

Type of Contamination (check all that apply): ☒ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil

☐ Kerosene ☐ Jet Fuel ☐ Other: \_\_\_\_\_

Estimated Volume of Materials: Cubic Yards: 0.5 Tons: 0.75 Other: \_\_\_\_\_

Contaminant Source (check one/specify): ☐ Transportation Accident ☒ Underground Storage Tank ☐ Other: \_\_\_\_\_

Response Action Associated with Bill of Lading (check one): ☐ Immediate Response Action ☐ Release Abatement Measure

☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☒ Comprehensive Response Action ☐ Other: \_\_\_\_\_

Remediation Waste Characterization Support Documentation attached:

- ☒ Site History Information ☐ Sampling and Analytical Methods and Procedures ☒ 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 DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: Corporate Environmental Advisors

LSP Name: Scott VanderSea Title: Principal Hydrogeologist

Telephone: (508) 835-8822 Ext.: 259

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

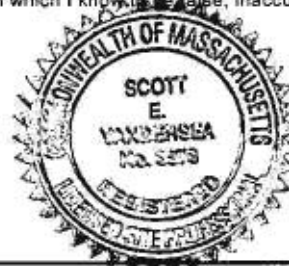
- (i) the standard of care in 309 CMR 4.02(1),  
(ii) the applicable provisions of 309 CMR 4.02(2) and (3), and  
(iii) the provisions of 309 CMR 4.03(5).

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

LSP Signature: \_\_\_\_\_ Seal: \_\_\_\_\_

Date: 9/6/07

License Number: 3978





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1 - 15718

**H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:**

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, the material 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:

9/4/07

Name of Person (print):

William J. Brach



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

1 - 15718

<b>I. LOAD INFORMATION:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
<b>Load 1:</b>		Date of Shipment: 11/26/07		Date of Receipt: 11/26/07	
Time of Shipment: 9:15		<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		Time of Receipt: 10:01	
Truck/Tractor Registration: 1430-333		Trailer Registration (if any):		<input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
Load Size (cu. yds./tons):					
<b>Load 2:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
		<input type="checkbox"/> AM <input type="checkbox"/> PM		Time of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		<input type="checkbox"/> AM <input type="checkbox"/> PM	
Load Size (cu. yds./tons):					
<b>Load 3:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
		<input type="checkbox"/> AM <input type="checkbox"/> PM		Time of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		<input type="checkbox"/> AM <input type="checkbox"/> PM	
Load Size (cu. yds./tons):					
<b>Load 4:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
		<input type="checkbox"/> AM <input type="checkbox"/> PM		Time of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		<input type="checkbox"/> AM <input type="checkbox"/> PM	
Load Size (cu. yds./tons):					
<b>Load 5:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
		<input type="checkbox"/> AM <input type="checkbox"/> PM		Time of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		<input type="checkbox"/> AM <input type="checkbox"/> PM	
Load Size (cu. yds./tons):					
<b>Load 6:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:		Time of Shipment:		Date of Receipt:	
		<input type="checkbox"/> AM <input type="checkbox"/> PM		Time of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		<input type="checkbox"/> AM <input type="checkbox"/> PM	
Load Size (cu. yds./tons):					
<b>J. LOG SHEET VOLUME INFORMATION:</b>		Total Volume Recorded This Page (cu. yds./tons):			
		Total Carried Forward (cu. yds./tons):			
		Total Carried Forward and This Page (cu. yds./tons):			

7-10-11701MA.



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC-012C**

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

## SUMMARY SHEET

**OF**

Release Tracking Number

1	-	15718
---	---	-------

**K. SUMMARY OF SHIPMENTS:**

Date of Shipment:

**Date of Receipt:**

Number of Loads Shipped:

Daily Volume Shipped  
(cu. yds/ton):

11/26/07

11/26/07

1

0.57

**Summary Sheet Total Shipped:**

**Bill of Lading Total Shipped  
(only if different):**

1

0.57 TONS



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET

Release Tracking Number

1 - 15718

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print):

Alan Desrosiers

Title:

Manager

Signature:

Alan Desrosiers

Date:

12-4-07

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON  
CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

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, the material 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:

William J. Brochu

Date:

12/10/07

Name of Person (print):

William J. Brochu



10

10



TED ONDRICK COMPANY LLC  
58 Industry Road  
Chicopee, MA 01020

Tel: 413-592-2081  
Fax: 413-592-7451

**PRE-QUALIFICATION INFORMATION  
PETROLEUM CONTAMINATED SOILS (PCS)**

The following information shall accompany all requests/submittals concerning the transport and recycling of PCS, as governed by DEP policies in order for the facility to confirm that the PCS meets its acceptance criteria:

**I. GENERATOR INFORMATION**

Name: Sunoco, Inc. (R&M) Contact: William Brochu  
Street: 4 Bellows Road, P O Box 1262 Phone: (603) 715-1220  
City/Town: Westborough State/Zip: MA 01581

**II. SITE INFORMATION**

Name: Westfield Sunoco Contact: \_\_\_\_\_  
Street: 88 S. Maple Street Phone: \_\_\_\_\_  
City/Town: Westfield State/Zip: MA 01085

**III. ENVIRONMENTAL CONSULTANT'S PERTINENT INFORMATION**

Name: CEA, Inc. Contact: Scott VanderSea  
Street: 127 Hartwell Street Phone: (508) 835-8822  
City/Town: West Boylston State/Zip: MA 01583

**IV. ESTIMATED VOLUME OF PCS:** 0.75 Tons 0.5 Cubic Yards

**V. DESCRIPTION OF THE PCS:**

70% Sand 30% Gravel \_\_\_\_\_ Fill \_\_\_\_\_ Clay \_\_\_\_\_ Other

Physical description of the PCS – In addition please indicate the presence of any construction debris, veg. matter, ash, etc.

Specify type of contamination:

  x   Gasoline           Diesel           #2           #4           #6

       Lub.Oil           Waste Oil           Jet Fuel           Kerosene

       Other:                                 

**VI. SITE HISTORY:**

Please include at a minimum the following information:

Current & Former usage of site, description of release (known dates, source), sampling method used (grab, composite, etc.), analytical parameters selected and any other pertinent information.

**\*\* Sufficient information must be provided in the Site History to justify the limiting of the analytical requirements necessary for recycling.\*\***

**VII. PLEASE FORWARD A DIAGRAM WHICH INCLUDES THE FOLLOWING INFORMATION:**

At least one street reference, any adjacent structures, excavation area, stockpile location, location where samples were taken from, name of individual preparing diagram, reference the site name and location and any other pertinent information.

**VIII. GENERATOR / LSP / QEP STATEMENTS:**

- A. I, the generator/LSP/QEP, using due diligence have determined that there is no reason to suspect or believe the PCS has been impacted by any release of oil or hazardous materials other than that of the known source or I have identified the additional oil and hazardous materials that are suspected or known to be present in the PCS, in addition to those associated with the known release including any anthropogenetic contaminants.
- B. I, the generator/LSP/QEP, realize that due diligence shall consist of a search of information and records reasonably available to the generator of the PCS sufficient to make the determination. Such records and information may include, but are not limited to, those of the generator, location of the generation (Facility if not the generator) the Department Bureau of Waste Site Cleanup, and the municipality (Board of Health, Fire Department) within which the site is located.
- C. I, the generator/LSP/QEP, have included sufficient information justifying the limiting of the analytical requirements as part of the Site History Information accompanying the 21E Bill of Lading and Material Shipping Record. This includes at a minimum the following:

1. Analytical Parameters Selected
2. Screening Data (i.e.: Total date for TCLP, Headspace)
3. Laboratory Analytical Data
4. Description of the Release
5. Physical description of the soil including the classification method used.
6. Description of the site location with regards to former and current usage.
7. Complete Site History.
8. Site Diagram

Generator (Print or Type Name): William A. Brochu

Generator Signature: [Signature]

Date: 7/6/07

LSP/QEP (Print or Type Name): Scott E. VanderSee

LSP/QEP Signature: [Signature]

Date: 9/7/07

.....  
ORIGINAL BILL OF LADING OR MATERIAL SHIPPING RECORD MUST BE AT THE FACILITIES OFFICE BEFORE THE SOIL IS SHIPPED.  
.....

☐ ACCEPTED

☐ REFUSED

\_\_\_\_\_  
Facility Representative

Reasons for Acceptance/Refusal:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**BOL information**  
**Release Tracking Number 1-15718**  
**88-90 south Maple Street, Westfield, MA 01564**

The property located at 88-90 South Maple is a Sunoco-branded gasoline station. Response Actions are being conducted under the primary Release Tracking Number (RTN), **1-15718**. The responsible party for **RTN 1-15718** is Sunoco Inc. (R & M) (Sunoco), Mr. William Brochu, 4 Bellows Road, PO Box 1262 in Westborough, Massachusetts 01581-1262.

**Release History**

RTN 1-0489

The DEP issued a *Notice of Responsibility* (NOR) to F.L. Roberts on June 21, 1988 as a result of a PID reading of over 100 ppm in a soil sample collected during UST removal activities in June 1988. The DEP requested a Phase I – Limited Site Assessment be conducted on the site. The site was first listed as a *Location To Be Investigated* (LTBI) on January 15, 1989. On behalf of F.L. Roberts, Environmental Compliance Services, Inc. (ECS) of Agawam, Massachusetts submitted the Phase I and Class A-2 Response Action Outcome (RAO) for the site, on August 2, 1995.

In the Phase I and RAO, ECS used information from a Site Investigation Report by Handex of New England, Inc of Marlborough, Massachusetts dated April 28, 1993 and a Phase I Limited Site Investigation conducted by Cold Spring Environmental of Belchertown, Massachusetts on April 27, 1990. No work was performed at the site between April 27, 1990 and April 28, 1993.

RTN 1-15718

On April 12, 2005, tightness testing results performed on the UST piping indicated the regular unleaded UST dispenser line failed when placed under pressure for tightness testing. Therefore, a Threat of Release (TOR requiring DEP notification within 72-hours of obtaining knowledge was identified at approximately 2:30 p.m. on April 12, 2005, in accordance with 310 CMR 40.0314(2) of the MCP. A copy of the April 12, 2005 and April 13, 2005 tightness testing results were previously submitted in the IRA Plan on June 22, 2005.

On April 15, 2005 at 9:40 p.m., verbal notification was provided to the MA DEP-Western Region (WERO) by Sunoco for the 72-hour reportable condition in accordance with 310 CMR 40.0314(2) of the MCP. The DEP issued Release Tracking Number (RTN) 1-15718 and provided verbal authorization to repair the dispenser line, excavate up to 100 yards of petroleum contaminated soils during the repairs, and conduct assessment activities as necessary to determine the extent of release to the environment.

On April 19, 2005, MA DEP issued a *Notice of Responsibility* (NOR) to Sunoco, Inc. (R&M). The NOR established an Interim Deadline that the approved IRA assessment actions must be completed at the subject site within one (1) year (by April 15, 2006) of the notification date.

On June 14, 2005, a Release Notification Form (RNF), Bureau of Waste Site Cleanup Form (BWSC-103) was submitted to MA DEP for RTN 1-15718 on behalf of Sunoco.

### 120-day Reporting Condition

On December 8, 2005, Polychlorinated biphenyls (PCBs) were detected above reporting category RCS-1 *Reportable Concentrations* in composite soil sample T1 collected onsite during a UST piping project being conducted under an Immediate Response Action (IRA) for RTN 1-15718. The PCB concentration represented a *120-day Reporting Condition*. The DEP was notified in writing of the *120-day Reporting Condition* on February 8, 2006 with the submittal of a Release Notification Form (RNF).

### Soil managed under this Bill of Lading

The soil being managed under this Bill of Lading was generated during monitoring well installation at the site on 6-25-07.

Approximately .5 cubic yards of soil was collected from drill cuttings.

### Analytical Parameters

The stockpile soil was screened for the following parameters:

- TPH
- VOCs
- Metals
- Flashpoint
- PH
- Reactivity (Sulfide & Cyanide)
- PCBs

Stockpiled soil meets Ondrick's acceptance criteria for gasoline contaminated soil recycling.

### SITE HISTORY

Current Usage: Sunoco Gasoline Service Station

Former Usage: Gasoline Service Station back to 1948



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

## ***Analysis Report***

### ANALYTICAL RESULTS

Prepared for:

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

508-835-8822

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

### SAMPLE GROUP

The sample group for this submittal is 1044782. Samples arrived at the laboratory on Wednesday, June 27, 2007.

#### Client Description

Disposal                      Soil

#### Lancaster Labs Number

5092342

ELECTRONIC      SUNOCO c/o CEA, Inc.  
COPY TO  
1 COPY TO      SUNOCO c/o CEA, Inc.

Attn: Scott VanderSea

Attn: Debra Zukauskas





## ***Analysis Report***

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • [www.lancasterlabs.com](http://www.lancasterlabs.com)

Questions? Contact your Client Services Representative  
Heidi L. Ortenzi at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script that reads "Susan M. Goshert".

**Susan M. Goshert**  
**Group Leader**



# Analysis Report

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Lancaster Laboratories Sample No. SW 5092342

Disposal Soil  
88-90 South Maple St-Westfield, MA  
DUNS# 03745593 COC: Disposal  
Collected: 06/25/2007 14:00 by AG

Account Number: 12140

Submitted: 06/27/2007 09:45  
Reported: 07/12/2007 at 13:25  
Discard: 09/11/2007

SUNOCO c/o CEA, Inc.  
Hartwell Business Park  
127 Hartwell Street  
West Boylston MA 01583

## DISPS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
08270	TPH-DRO by 8015B	n.a.	200.	22.	mg/kg	5
00159	Mercury	7439-97-6	0.0160 J	0.0111	mg/kg	1
06935	Arsenic	7440-38-2	1.97 J	1.04	mg/kg	1
06936	Selenium	7782-49-2	N.D.	1.07	mg/kg	1
06946	Barium	7440-39-3	38.5	0.0251	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0710	mg/kg	1
06951	Chromium	7440-47-3	15.0	0.637	mg/kg	1
06955	Lead	7439-92-1	13.1	0.536	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.186	mg/kg	1
00111	Moisture	n.a.	8.5	0.50	%	1
*Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.						
00542	Ignitability	n.a.	See Below			1
The sample did not spontaneously ignite when exposed to air or water.						
The sample did not ignite by friction.						
The sample vapors did not ignite when exposed to a flame using a closed cup apparatus.						
01637	TPH-GRO 8015B - soil					
01641	TPH-GRO 8015B - soil	n.a.	1.6	0.1	mg/kg	13.03
01216	PCBs in Solids					
01495	PCB-1016	12674-11-2	N.D.	3.6	ug/kg	1
01496	PCB-1221	11104-28-2	N.D.	5.7	ug/kg	1
01497	PCB-1232	11141-16-5	N.D.	3.6	ug/kg	1
01498	PCB-1242	53469-21-9	N.D.	3.6	ug/kg	1
01499	PCB-1248	12672-29-6	N.D.	3.6	ug/kg	1
01500	PCB-1254	11097-69-1	22.	3.6	ug/kg	1
01501	PCB-1260	11096-82-5	N.D.	3.6	ug/kg	1
03983	EPA SW 846/8260 - Soil					
02016	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	18.	ug/kg	33.33
02017	di-Isopropyl ether	108-20-3	N.D.	36.	ug/kg	33.33
02018	Ethyl t-butyl ether	637-92-3	N.D.	36.	ug/kg	33.33
02019	t-Amyl methyl ether	994-05-8	N.D.	36.	ug/kg	33.33
02020	t-Butyl alcohol	75-65-0	N.D.	730.	ug/kg	33.33
06293	Acetone	67-64-1	N.D.	260.	ug/kg	33.33
06296	2-Butanone	78-93-3	N.D.	150.	ug/kg	33.33



# Analysis Report

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## DISPS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
06297	trans-1,3-Dichloropropene	10061-02-6	N.D.	36.	ug/kg	33.33
06298	cis-1,3-Dichloropropene	10061-01-5	N.D.	36.	ug/kg	33.33
06299	4-Methyl-2-pentanone	108-10-1	N.D.	110.	ug/kg	33.33
06300	2-Hexanone	591-78-6	N.D.	110.	ug/kg	33.33
05441	EPA SW846/8260 (soil)					
05443	Dichlorodifluoromethane	75-71-8	N.D.	73.	ug/kg	33.33
05444	Chloromethane	74-87-3	N.D.	73.	ug/kg	33.33
05445	Vinyl Chloride	75-01-4	N.D.	36.	ug/kg	33.33
05446	Bromomethane	74-83-9	N.D.	73.	ug/kg	33.33
05447	Chloroethane	75-00-3	N.D.	73.	ug/kg	33.33
05448	Trichlorofluoromethane	75-69-4	N.D.	73.	ug/kg	33.33
05449	1,1-Dichloroethene	75-35-4	N.D.	36.	ug/kg	33.33
05450	Methylene Chloride	75-09-2	N.D.	73.	ug/kg	33.33
05451	trans-1,2-Dichloroethene	156-60-5	N.D.	36.	ug/kg	33.33
05452	1,1-Dichloroethane	75-34-3	N.D.	36.	ug/kg	33.33
05453	2,2-Dichloropropane	594-20-7	N.D.	36.	ug/kg	33.33
05454	cis-1,2-Dichloroethene	156-59-2	N.D.	36.	ug/kg	33.33
05455	Chloroform	67-66-3	N.D.	36.	ug/kg	33.33
05456	Bromochloromethane	74-97-5	N.D.	36.	ug/kg	33.33
05457	1,1,1-Trichloroethane	71-55-6	N.D.	36.	ug/kg	33.33
05458	Carbon Tetrachloride	56-23-5	N.D.	36.	ug/kg	33.33
05459	1,1-Dichloropropene	563-58-6	N.D.	36.	ug/kg	33.33
05460	Benzene	71-43-2	N.D.	18.	ug/kg	33.33
05461	1,2-Dichloroethane	107-06-2	N.D.	36.	ug/kg	33.33
05462	Trichloroethene	79-01-6	N.D.	36.	ug/kg	33.33
05463	1,2-Dichloropropane	78-87-5	N.D.	36.	ug/kg	33.33
05464	Dibromomethane	74-95-3	N.D.	36.	ug/kg	33.33
05465	Bromodichloromethane	75-27-4	N.D.	36.	ug/kg	33.33
05466	Toluene	108-88-3	61. J	36.	ug/kg	33.33
05467	1,1,2-Trichloroethane	79-00-5	N.D.	36.	ug/kg	33.33
05468	Tetrachloroethene	127-18-4	N.D.	36.	ug/kg	33.33
05469	1,3-Dichloropropane	142-28-9	N.D.	36.	ug/kg	33.33
05470	Dibromochloromethane	124-48-1	N.D.	36.	ug/kg	33.33
05471	1,2-Dibromoethane	106-93-4	N.D.	36.	ug/kg	33.33
05472	Chlorobenzene	108-90-7	N.D.	36.	ug/kg	33.33
05473	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	36.	ug/kg	33.33
05474	Ethylbenzene	100-41-4	N.D.	36.	ug/kg	33.33
05475	m+p-Xylene	1330-20-7	110. J	36.	ug/kg	33.33
05476	o-Xylene	95-47-6	40. J	36.	ug/kg	33.33
05477	Styrene	100-42-5	N.D.	36.	ug/kg	33.33



# Analysis Report

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## DISPS

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
05478	Bromoform	75-25-2	N.D.	36.	ug/kg	33.33
05479	Isopropylbenzene	98-82-8	N.D.	36.	ug/kg	33.33
05480	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	36.	ug/kg	33.33
05481	Bromobenzene	108-86-1	N.D.	36.	ug/kg	33.33
05482	1,2,3-Trichloropropane	95-18-4	N.D.	36.	ug/kg	33.33
05483	n-Propylbenzene	103-65-1	N.D.	36.	ug/kg	33.33
05484	2-Chlorotoluene	95-49-8	N.D.	36.	ug/kg	33.33
05485	1,3,5-Trimethylbenzene	108-67-8	110. J	36.	ug/kg	33.33
05486	4-Chlorotoluene	106-43-4	N.D.	36.	ug/kg	33.33
05487	tert-Butylbenzene	98-06-6	N.D.	36.	ug/kg	33.33
05488	1,2,4-Trimethylbenzene	95-63-6	320.	36.	ug/kg	33.33
05489	sec-Butylbenzene	135-98-8	46. J	36.	ug/kg	33.33
05490	p-Isopropyltoluene	99-87-6	42. J	36.	ug/kg	33.33
05491	1,3-Dichlorobenzene	541-73-1	N.D.	36.	ug/kg	33.33
05492	1,4-Dichlorobenzene	106-46-7	N.D.	36.	ug/kg	33.33
05493	n-Butylbenzene	104-51-8	86. J	36.	ug/kg	33.33
05494	1,2-Dichlorobenzene	95-50-1	N.D.	36.	ug/kg	33.33
05495	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	73.	ug/kg	33.33
05496	1,2,4-Trichlorobenzene	120-82-1	67. J	36.	ug/kg	33.33
05497	Hexachlorobutadiene	87-68-3	140. J	73.	ug/kg	33.33
05498	Naphthalene	91-20-3	260.	36.	ug/kg	33.33
05499	1,2,3-Trichlorobenzene	87-61-6	110. J	36.	ug/kg	33.33

The project QA/QC requirements were not met.

The percent recoveries for acetone and 2-butanone were outside the project specified QC window of 70-130% in the LCS and LCSD associated with this sample. The percent recovery for hexachlorobutadiene was also outside the project specified QC window in the LCS. The recoveries were within the laboratory's statistically derived QC windows.

The analysis for volatiles was performed on a sample which was preserved in methanol. Therefore, the reporting limits were raised.

The temperature of the sample(s) upon receipt at the lab was 6.8-9.6C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.



# Analysis Report

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DISPS

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
08270	TPH-DRO by 8015B	SW-846 8015B	2	07/06/2007 04:44	Heather E Williams	5
00159	Mercury	SW-846 7471A	1	07/02/2007 20:42	Nelli S Markaryan	1
06935	Arsenic	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06936	Selenium	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06946	Barium	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06949	Cadmium	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06951	Chromium	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06955	Lead	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
06966	Silver	SW-846 6010B	1	07/03/2007 03:02	Choon Y Tian	1
00111	Moisture	EPA 160.3 modified	1	06/29/2007 17:52	Scott W Freisher	1
00542	Ignitability	40 CFR 261.21	1	07/10/2007 01:10	Daniel S Smith	1
01637	TPH-GRO 8015B - soil	SW-846 8015B modified	1	07/02/2007 17:28	Linda C Pape	13.03
01216	PCBs in Solids	SW-846 8082	1	07/05/2007 16:40	Hai D Nguyen	1
03983	EPA SW 846/8260 - Soil	SW-846 8260B	1	07/09/2007 04:39	Stephanie A Selis	33.33
05441	EPA SW846/8260 (soil)	SW-846 8260B	1	07/09/2007 04:39	Stephanie A Selis	33.33
00819	Solid Sample Pesticide Extract	SW-846 3550B	1	07/03/2007 23:05	Karen L Beyer	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	07/02/2007 14:15	Mirit S Shenouda	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	07/02/2007 18:15	Mirit S Shenouda	1
06647	GC Field Preserved MeOH	SW-846 5035	1	06/25/2007 14:00	Client Supplied	n.a.
06647	GC Field Preserved MeOH	SW-846 5035	2	06/25/2007 14:00	Client Supplied	n.a.
07004	Extraction - DRO (Soils)	SW-846 3550B	1	07/03/2007 08:15	Ineabelle Poveda	1
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035	1	06/25/2007 14:00	Client Supplied	1
07579	GC/MS-Field PreservedMeOH- NC	SW-846 5035	2	06/25/2007 14:00	Client Supplied	1

## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc.  
Reported: 07/12/07 at 01:25 PM

Group Number: 1044782

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD_Max
Batch number: 07170A34D TPH-GRO 8015B - soil	N.D.	0.2	mg/kg	84		67-119		
Batch number: 071805708005								
Arsenic	N.D.	0.950	mg/kg	95		86-114		
Selenium	N.D.	0.979	mg/kg	98		78-122		
Barium	0.0590 J	0.0230	mg/kg	97		91-109		
Cadmium	N.D.	0.0650	mg/kg	95		90-110		
Chromium	N.D.	0.583	mg/kg	91		78-122		
Lead	N.D.	0.490	mg/kg	94		91-109		
Silver	N.D.	0.170	mg/kg	96		89-112		
Batch number: 071805711003								
Mercury	N.D.	0.0107	mg/kg	103		66-133		
Batch number: 07180820002A								
Moisture				100		99-101		
Batch number: 071810014A TPH-DRO by 8015B	N.D.	4.0	mg/kg	89	88	71-109	1	20
Batch number: 071840018A								
PCB-1016	N.D.	3.3	ug/kg	91		72-120		
PCB-1221	N.D.	5.2	ug/kg					
PCB-1232	N.D.	3.3	ug/kg					
PCB-1242	N.D.	3.3	ug/kg					
PCB-1248	N.D.	3.3	ug/kg					
PCB-1254	N.D.	3.3	ug/kg					
PCB-1260	N.D.	3.3	ug/kg	94		65-137		
Batch number: Q071891AA								
Methyl Tertiary Butyl Ether	N.D.	25.	ug/kg	99	103	70-130	4	30
di-Isopropyl ether	N.D.	50.	ug/kg	87	87	70-130	1	30
Ethyl t-butyl ether	N.D.	50.	ug/kg	91	95	70-130	5	30
t-Amyl methyl ether	N.D.	50.	ug/kg	98	100	70-130	2	30
t-Butyl alcohol	N.D.	1,000.	ug/kg	98	95	70-130	2	30
Dichlorodifluoromethane	N.D.	100.	ug/kg	98	90	70-130	8	30
Chloromethane	N.D.	100.	ug/kg	80	80	70-130	0	30
Vinyl Chloride	N.D.	50.	ug/kg	82	82	70-130	0	30
Bromomethane	N.D.	100.	ug/kg	116	112	70-130	4	30
Chloroethane	N.D.	100.	ug/kg	95	94	70-130	1	30
Trichlorofluoromethane	N.D.	100.	ug/kg	101	100	70-130	1	30
1,1-Dichloroethene	N.D.	50.	ug/kg	109	113	70-130	3	30
Methylene Chloride	N.D.	100.	ug/kg	102	102	70-130	0	30
trans-1,2-Dichloroethene	N.D.	50.	ug/kg	101	108	70-130	6	30
1,1-Dichloroethane	N.D.	50.	ug/kg	96	100	70-130	5	30
2,2-Dichloropropane	N.D.	50.	ug/kg	106	108	70-130	1	30

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc.  
Reported: 07/12/07 at 01:25 PM

Group Number: 1044782

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCS D %REC	LCS/LCS D Limits	RPD	RPD Max
cis-1,2-Dichloroethene	N.D.	50.	ug/kg	99	104	70-130	5	30
Chloroform	N.D.	50.	ug/kg	102	104	70-130	1	30
Bromochloromethane	N.D.	50.	ug/kg	109	112	70-130	2	30
1,1,1-Trichloroethane	N.D.	50.	ug/kg	109	113	70-130	3	30
Carbon Tetrachloride	N.D.	50.	ug/kg	111	112	70-130	1	30
1,1-Dichloropropene	N.D.	50.	ug/kg	97	98	70-130	1	30
Benzene	N.D.	25.	ug/kg	98	100	70-130	2	30
1,2-Dichloroethane	N.D.	50.	ug/kg	110	111	70-130	1	30
Trichloroethene	N.D.	50.	ug/kg	102	102	70-130	0	30
1,2-Dichloropropane	N.D.	50.	ug/kg	92	94	70-130	2	30
Dibromomethane	N.D.	50.	ug/kg	101	104	70-130	3	30
Bromodichloromethane	N.D.	50.	ug/kg	109	109	70-130	0	30
Toluene	N.D.	50.	ug/kg	97	98	70-130	0	30
1,1,2-Trichloroethane	N.D.	50.	ug/kg	96	97	70-130	1	30
Tetrachloroethene	N.D.	50.	ug/kg	102	102	70-130	1	30
1,3-Dichloropropane	N.D.	50.	ug/kg	93	94	70-130	1	30
Dibromochloromethane	N.D.	50.	ug/kg	107	110	70-130	3	30
1,2-Dibromoethane	N.D.	50.	ug/kg	98	97	70-130	1	30
Chlorobenzene	N.D.	50.	ug/kg	98	98	70-130	1	30
1,1,1,2-Tetrachloroethane	N.D.	50.	ug/kg	103	107	70-130	3	30
Ethylbenzene	N.D.	50.	ug/kg	95	96	70-130	1	30
m-p-Xylene	N.D.	50.	ug/kg	98	98	70-130	1	30
o-Xylene	N.D.	50.	ug/kg	98	99	70-130	1	30
Styrene	N.D.	50.	ug/kg	96	95	70-130	1	30
Bromoform	N.D.	50.	ug/kg	103	105	70-130	2	30
Isopropylbenzene	N.D.	50.	ug/kg	96	99	70-130	3	30
1,1,2,2-Tetrachloroethane	N.D.	50.	ug/kg	88	92	70-130	4	30
Bromobenzene	N.D.	50.	ug/kg	101	103	70-130	2	30
1,2,3-Trichloropropane	N.D.	50.	ug/kg	96	101	70-130	4	30
n-Propylbenzene	N.D.	50.	ug/kg	96	97	70-130	2	30
2-Chlorotoluene	N.D.	50.	ug/kg	97	97	70-130	0	30
1,3,5-Trimethylbenzene	N.D.	50.	ug/kg	97	101	70-130	4	30
4-Chlorotoluene	N.D.	50.	ug/kg	100	98	70-130	2	30
tert-Butylbenzene	N.D.	50.	ug/kg	101	102	70-130	1	30
1,2,4-Trimethylbenzene	N.D.	50.	ug/kg	97	100	70-130	3	30
sec-Butylbenzene	N.D.	50.	ug/kg	97	102	70-130	5	30
p-Isopropyltoluene	N.D.	50.	ug/kg	98	101	70-130	3	30
1,3-Dichlorobenzene	N.D.	50.	ug/kg	99	102	70-130	4	30
1,4-Dichlorobenzene	N.D.	50.	ug/kg	97	99	70-130	2	30
n-Butylbenzene	N.D.	50.	ug/kg	94	96	70-130	2	30
1,2-Dichlorobenzene	N.D.	50.	ug/kg	94	98	70-130	3	30
1,2-Dibromo-3-chloropropane	N.D.	100.	ug/kg	86	94	70-130	9	30
1,2,4-Trichlorobenzene	N.D.	50.	ug/kg	86	96	70-130	11	30
Hexachlorobutadiene	N.D.	100.	ug/kg	68*	76	70-130	12	30
Naphthalene	N.D.	50.	ug/kg	84	91	70-130	8	30
1,2,3-Trichlorobenzene	N.D.	50.	ug/kg	81	92	70-130	12	30
Acetone	N.D.	350.	ug/kg	54*	62*	70-130	13	30
2-Butanone	N.D.	200.	ug/kg	64*	69*	70-130	8	30
trans-1,3-Dichloropropene	N.D.	50.	ug/kg	95	92	70-130	2	30
cis-1,3-Dichloropropene	N.D.	50.	ug/kg	98	99	70-130	1	30
4-Methyl-2-pentanone	N.D.	150.	ug/kg	92	94	70-130	3	30
2-Hexanone	N.D.	150.	ug/kg	81	84	70-130	3	30

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc.  
Reported: 07/12/07 at 01:25 PM

Group Number: 1044782

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07170A34D TPH-GRO 8015B - soil	Sample number(s): 5092342 UNSPK: P081080 74 83 39-118 12 30								
Batch number: 071805708005	Sample number(s): 5092342 UNSPK: P092137 BKG: P092137								
Arsenic	(2)	(2)	75-125	15	20	66.6	79.0	17	20
Selenium	112	100	75-125	10	20	1.08 J	1.47 J	31* (1)	20
Barium	86	104	75-125	9	20	186.	157.	17	20
Cadmium	93	92	75-125	2	20	0.0750 J	N.D.	200* (1)	20
Chromium	(2)	(2)	75-125	10	20	282.	267.	6	20
Lead	(2)	(2)	75-125	3	20	589.	1,240.	72*	20
Silver	103	104	75-125	0	20	N.D.	0.219 J	200* (1)	20
Batch number: 071805711003	Sample number(s): 5092342 UNSPK: P092137 BKG: P092137								
Mercury	(2)	(2)	80-120	2	20	0.725	0.611	17	20
Batch number: 07180820002A	Sample number(s): 5092342 BKG: P091603								
Moisture						7.1	6.5	9	15
Batch number: 071840018A	Sample number(s): 5092342 UNSPK: P092338								
PCB-1016	73	88	45-125	19	50				
PCB-1260	76	93	62-130	20	50				

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO 8015B - soil  
Batch number: 07170A34D  
Trifluorotoluene-F

5092342	88
Blank	90
LCS	87
MS	81
MSD	78

Limits: 61-122

Analysis Name: TPH-DRO by 8015B  
Batch number: 071810014A  
Orthoterphenyl

5092342	105
Blank	92
LCS	110
LCSD	108

Limits: 59-129

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

## Quality Control Summary

Client Name: SUNOCO c/o CEA, Inc.  
Reported: 07/12/07 at 01:25 PM

Group Number: 1044782

### Surrogate Quality Control

Analysis Name: PCBs in Solids

Batch number: 071840018A

	Tetrachloro-m-xylene	Decachlorobiphenyl
5092342	62	74
Blank	92	108
LCS	90	111
MS	71	86
MSD	88	105

Limits: 53-139 53-142

Analysis Name: EPA SW846/8260 (soil)

Batch number: Q071891AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5092342	126*	120*	112	120*
Blank	104	96	92	94
LCS	107	103	100	103
LCSD	110	103	100	105
Limits:	71-114	70-109	70-123	70-111

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.

2007 12 14 09 40 94 10 44 78 2 # 5092342

# Chain of Custody Record

Sunoco DUNS #: 0374-5593

Region:

State or Lead Regulatory Agency: MADEP

Requested Due Date (mm/dd/yy):

COC Tracking Number:

On-site Time: Temp:  
Off-site Time: Temp:  
Sky Conditions:  
Meteorological Events:  
Wind Speed: Dirce:

Lab Name: Southern Petroleum Laboratories  
Address: 500 Ambassador Caffery Parkway  
Scott, LA 70583  
Lab PM:  
Tele: 717-656-2300 Fax: 717-656-21681  
Report Type & QC Level: MADEP  
E-mail EDD To: SunocoENFOS@deliaenv.com  
Lab Bottle Order No:

Facility Address: 88-90 South Maple Street  
Facility City, State: Westfield MA  
Site Lat/Long:  
Sunoco PM Contact: Bill Brochu  
Address: 4 Bellows Rd, PO Box 1262,  
Westborough, MA 01581  
Tele/Fax: (800) 777-6444 x1357 (866) 257-9205

Consultant/Contractor: CEA  
Address: 127 Hartwell Street  
W. Boylston, MA 01583  
Consultant/Contractor Project No.: 4240048  
Consultant/Contractor PM: Scott VanderSca  
Tele/Fax: (508) 835-8822  
Invoice to:

Lab Bottle Order No:				Matrix		Laboratory No.	No. of Containers	Preservative		Requested Analysis										Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Date	Liquid	Soil			MeOH	None	Flashpoint	VOCs (8260)	TPH (8015 GRO and DRO)	PCBs (8080)	Arsenic, Lead	Barium	Cadmium, Chromium, Mercury	Selenium	Silver		
1	Disposal	2:00	6/25	x		6	4	2											If Total Metal Levels Indicate That Mathematically, TCLP Levels Can Be Exceeded, Please Run TCLP.	
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Refined by: LAFILATION  
Date: 6/25 6:04pm  
Accepted By / Affiliation: [Signature]  
Date: 6/25 6:04pm  
Time: 6:04pm

Sampler's Name: Adam Guaraldi  
Sampler's Company: CEA  
Shipment Date: 6/26/2007  
Shipment Method: FedEx  
Shipment Tracking No:

Special Instructions:  
Must meet MADEP GW-1 Groundwater Standards, Email laboratory analytical report to dazabaukas@cea-inc.com  
Custody Seals in Place Yes No  
Temp Blank Yes No  
Cooler Temperature on Receipt 6.8 OFC  
Trip Blank Yes No

## Lancaster Laboratories Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>Cal</b>	(diet) calories	<b>lb.</b>	pound(s)
<b>meq</b>	milliequivalents	<b>kg</b>	kilogram(s)
<b>g</b>	gram(s)	<b>mg</b>	milligram(s)
<b>ug</b>	microgram(s)	<b>l</b>	liter(s)
<b>ml</b>	milliliter(s)	<b>ul</b>	microliter(s)
<b>m3</b>	cubic meter(s)	<b>fib &gt;5 um/ml</b>	fibers greater than 5 microns in length per ml
<b>&lt;</b>	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>ppm</b>	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

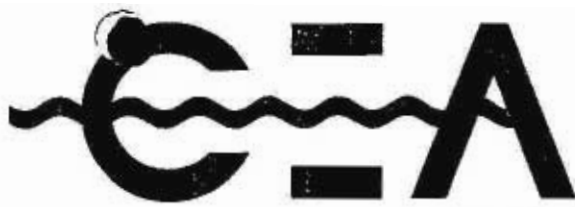
### U.S. EPA data qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is <CRDL, but ≥IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike amount not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>J</b>	Estimated value	<b>U</b>	Compound was not detected
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>W</b>	Post digestion spike out of control limits
<b>P</b>	Concentration difference between primary and confirmation columns >25%	<b>*</b>	Duplicate analysis not within control limits
<b>U</b>	Compound was not detected	<b>+</b>	Correlation coefficient for MSA <0.995
<b>X,Y,Z</b>	Defined in case narrative		

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

**WARRANTY AND LIMITS OF LIABILITY** – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



**CORPORATE ENVIRONMENTAL ADVISORS, INC.**

*Via USPS Priority Mail  
w/Delivery Confirmation*



February 8, 2007

Commonwealth of Massachusetts  
Department of Environmental Protection  
Western Regional Office  
436 Dwight Street  
Springfield, MA 01103



**RE: Notice of Linking – RTN 1-16079 to Tier II Classified RTN 1-15718  
Sunoco Station  
88-90 South Maple Street  
Westfield, Massachusetts  
DUNS: 0374-5593  
CEA File No. 5795-05**

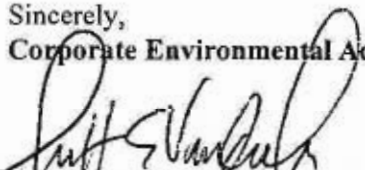
Dear Sir or Madam:

On behalf of Sunoco, Inc., (R&M) (Sunoco), Corporate Environmental Advisors, Inc. (CEA) is submitting the enclosed Tier Classification Transmittal Form (BWSC-107) to link Release Tracking Number (RTN) 1-16079 to Primary Site RTN 1-15718, for the above location. A 120-day Release Notification Form was submitted to the Massachusetts Department of Environmental Protection (MADEP) on February 8, 2006 for concentrations of polychlorinated biphenyls (PCBs) that were detected in soil during an Immediate Response Action (IRA) for RTN 1-15718. The MADEP issued a Notice of Responsibility (NOR) to Sunoco and assigned RTN 1-16079 for the PCB release on February 14, 2006.

A Phase I Initial Site Investigation (Phase I) and Tier II Classification Submittal was submitted to MADEP by Sunoco and CEA on April 24, 2006 for RTN 1-15718. The results of soil analyses for PCBs were used in the Tier Classification of the Primary Site. All future Response Actions for RTN 1-16079 will be completed in accordance with the required deadlines for RTN 1-15718.

If you have any questions regarding this submittal, please do not hesitate to contact our office at (508) 835-8822.

Sincerely,  
Corporate Environmental Advisors, Inc.

  
Scott E. VanderSea, LSP, LEP  
Principal Hydrogeologist

cc: William J. Brochu, Sunoco, Inc. (R&M), 4 Bellows Rd., P.O. Box 1262, Westborough, MA 01581  
Yvonne M. Monti, Sunoco, Inc. (R&M), 350 Eagleview Blvd., Suite 300, Exton, PA 19341

[www.cea-inc.com](http://www.cea-inc.com)

CORPORATE HEADQUARTERS: HARTWELL BUSINESS PARK • 127 HARTWELL STREET • WEST BOYLSTON, MA 01583 • PHONE: 508-835-8822 • FAX: 508-835-8812

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Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107

**TIER CLASSIFICATION TRANSMITTAL FORM**

Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number

1 - 15718

**A. DISPOSAL SITE LOCATION:**

1. Disposal Site Name: **NO LOCATION AID**

2. Street Address: **88-90 MAPLE ST**

3. City/Town: **WESTFIELD**

4. ZIP Code:

**B. THIS FORM IS BEING USED TO:** (check all that apply)

- ☐ 1. Submit a new **Tier Classification Submittal for a Tier I Site**, including a **Numerical Ranking Scoresheet (BWSC107A)** (check one) A Tier I Permit Application must also be submitted.

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC

- ☐ 2. Submit a new **Tier Classification Submittal for a Tier II Site**, including the **Numerical Ranking Scoresheet (BWSC107A)** and the **Tier II Compliance History (BWSC107B)**

- ☐ 3. Submit a **Phase I Completion Statement** as per 310 CMR 40.0480

If previously submitted, provide date  mm/dd/yyyy

- ☐ 4. Submit a **Phase II Scope of Work** as per 310 CMR 40.0834

If previously submitted, provide date  mm/dd/yyyy

- ☐ 5. Submit a **Phase II Conceptual Scope of Work supporting a Tier Classification Submittal**

- ☐ 6. Submit a **Tier II Extension Submittal** for Response Actions at a Tier II Site including the **Tier II Compliance History (BWSC107B)**

- ☐ 7. Submit a **Tier II Transfer Submittal** for a change in person(s) undertaking Response Actions at a Tier II Site including the **Tier II Compliance History (BWSC107B)** and the **Tier II Transferor Certification (BWSC107C)**

Proposed effective date of transfer:  mm/dd/yyyy

- ☐ 8. Submit a **Revised Tier Classification Submittal**, including a **Numerical Ranking Scoresheet (BWSC107A)**  
A Major Permit Modification may also need to be submitted.

If this revised submittal is re-classifying the site check the new classification.

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☐ d. Tier II

- ☒ 9. Submit a **Notice that an additional Release Tracking Number(s) is (are) being linked to this Tier Classified Site (Primary RTN)**. Future response actions addressing the Release or Threat of Release notification condition associated with additional Release Tracking Numbers (RTNs) will be conducted as part of the Response Actions planned or ongoing at the Primary Site listed above. For a previously Tier Classified Primary Site, if there is a reasonable likelihood that the addition of the new secondary RTN(s) would change the classification of the site, a **Revised Tier Classification Submittal** must also be made.

Provide Release Tracking Number(s): a.  1 -  16079 b.  -

All future Response Actions must occur according to the deadlines applicable to the Primary RTN. Use only the Primary RTN when making future submittals for this site unless specifically relating to response actions started before the linking occurred.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107

**TIER CLASSIFICATION TRANSMITTAL FORM**

Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number

1 - 15718

**C. LSP SIGNATURE AND STAMP:**

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief.

> if Section B of this form indicates that a **Tier I or Tier II Classification Submittal** including the **Numerical Ranking System Scoresheet** is being submitted, this Tier Classification Submittal has been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Phase I Completion Statement** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Phase II Scope of Work** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Tier II Extension Submittal** or a **Tier II Transfer Submittal** is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 3978

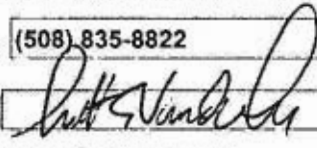
2. First Name: SCOTT E

3. Last Name: VANDERSEA

4. Telephone: (508) 835-8822

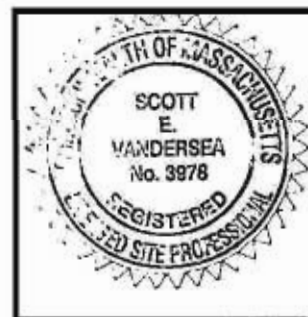
5. Ext:

6. FAX:

7. Signature: 

8. Date: 2/08/07  
mm/dd/yyyy

9. LSP Stamp:





**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC107**

**TIER CLASSIFICATION TRANSMITTAL FORM**  
Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number

**1** - **15718**

**D. PERSON MAKING SUBMITTAL:**

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☐ c. change in the person undertaking response actions
2. Name of Organization: **SUNOCO INC**
3. Contact First Name: **WILLIAM** 4. Last Name: **BROCHU**
5. Street: **4 BELLOWS RD** 6. Title: **ENGINEER**
7. City/Town: **WESTBOROUGH** 8. State: **MA** 9. ZIP Code: **01581-1262**
10. Telephone: **(800) 777-6444** 11. Ext.: **1357** 12. FAX:

**E. RELATIONSHIP OF PERSON MAKING SUBMITTAL TO DISPOSAL SITE:**

- ☒ 1. RP or PRP ☐ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter
- ☒ e. Other RP or PRP Specify: **PRP GENERIC OR NON-SPECIFIED**
- ☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
- ☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
- ☐ 4. Any Other Person Making Submittal Specify Relationship:

**F. REQUIRED ATTACHMENT AND SUBMITTALS:**

- ☐ 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
- ☐ 2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of any Phase Reports to DEP.
- ☐ 3. Check here to certify that a Legal Notice of a Tier Classification or Re-classification Submittal has been or will be made according to 310 CMR 40.1403, and a copy of the notice sent to DEP, the Chief Municipal Officer and the Local Board of Health.
- ☐ 4. For a Tier II Extension Submittal, check here to certify that a statement summarizing why a Permanent or Temporary Solution has not been achieved at the Disposal Site is attached.
- ☐ 5. For a Tier II Transfer Submittal, check here to certify that a statement summarizing the reasons for the proposed change in person(s) undertaking the Response Actions is attached. All Response Actions must be completed by the deadline applicable to the person who first filed either a Tier Classification Submittal for the Disposal Site or received a Waiver of Approvals.
- ☐ 6. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to the DEP Regional Office.
- ☒ 7. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107

**TIER CLASSIFICATION TRANSMITTAL FORM**  
Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number

1 - 15718

**G. CERTIFICATION OF PERSON MAKING SUBMITTAL:**

1. I, William Brochu, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

If submitting a Tier II Classification, Extension or Transfer, I also attest under the pains and penalties of perjury that (i) I/the person(s) or entity(ies) on whose behalf this submittal is made has/have personally examined and am/is familiar with the requirements of M.G.L. c. 21E and 310 CMR 40.0000; (ii) based upon my inquiry of the/those Licensed Site Professional(s) employed or engaged to render Professional Services for the disposal site which is the subject of this Transmittal Form and of the person(s) or entity(ies) on whose behalf this submittal is made, and my/those person's(s') or entity's(ies') understanding as to the estimated costs of necessary response actions, that/those person(s) or entity(ies) has/have the technical, financial and legal ability to proceed with response actions for such site in accordance with M.G.L. c. 21E, 310 CMR 40.0000 and other applicable requirements; and (iii) that I am fully authorized to make this attestation on behalf of the person(s) or entity(ies) legally responsible for this submittal. I/the person(s) or entity(ies) on whose behalf this submittal is made is aware of the requirements in 310 CMR 40.0172 for notifying the Department in the event that I/the person(s) or entity(ies) on whose behalf this submittal is made learn(s) that it/they is/are unable to proceed with the necessary response actions.

2. By:

  
Signature

3. Title:

ENGINEER

4. For:

SUNOCO INC

(Name of person or entity recorded in Section D)

5. Date:

2/7/07  
mm/dd/yyyy

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section D.

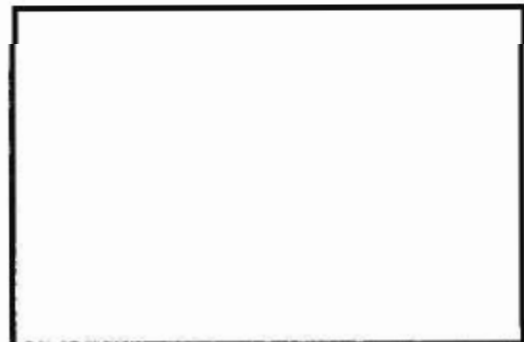
7. Street: \_\_\_\_\_

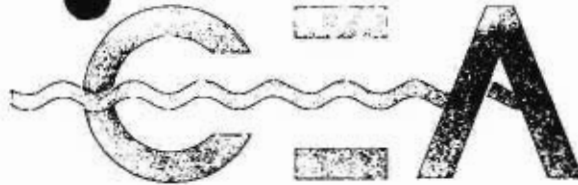
8. City/Town: \_\_\_\_\_ 9. State: \_\_\_\_\_ 10. ZIP Code: \_\_\_\_\_

11. Telephone: \_\_\_\_\_ 12. Ext: \_\_\_\_\_ 13. FAX: \_\_\_\_\_

**YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.**

Date Stamp (DEP USE ONLY):





CORPORATE ENVIRONMENTAL ADVISORS, INC.



*Via U.S. Postal Service*

April 27, 2006



Health Department  
Westfield City Hall  
59 Court St.  
Westfield, MA 01085

**RE: Publication of Public Notice: Phase I Report/Tier Classification  
Sunoco Station  
88-90 South Maple Street  
Westfield, Massachusetts  
DUNS: 0374-5593  
DEP RTN 1-15718**

To Whom It May Concern:

As promulgated within 310 CMR 40.1403(6)(b) of the Massachusetts Contingency Plan, this letter serves as official notification that a Public Notice will be published in The Republican newspaper of Springfield, Massachusetts on May 2, 2006. A copy of the Public Notice has been included as **Attachment 1** and a copy of the Site Layout has been included as **Attachment 2**.

If you have any questions or comments, please do not hesitate to contact our office.

Sincerely,  
**CORPORATE ENVIRONMENTAL ADVISORS, INC.**

Patrick J. Brown  
Environmental Scientist I

cc: Chief Municipal Officer, Westfield City Hall, 59 Court St., Westfield, MA 01085  
MA DEP Western Region, 436 Dwight Street, Suite 500 Springfield, Massachusetts 01103

[www.cea-inc.com](http://www.cea-inc.com)

CORPORATE HEADQUARTERS: HARTWELL BUSINESS PARK • 127 HARTWELL STREET • WEST BOYLSTON, MA 01583 • PHONE: 508-835-8822 • FAX: 508-835-8812

**Solutions Since 1985**







*Via U.S. Postal Service*

April 27, 2006

Chief Municipal Officer  
Westfield City Hall  
59 Court St.  
Westfield, MA 01085


**RE: Publication of Public Notice: Phase I Report/Tier Classification  
Sunoco Station  
88-90 South Maple Street  
Westfield, Massachusetts  
DUNS: 0374-5593  
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If you have any questions or comments, please do not hesitate to contact our office.

Sincerely,  
CORPORATE ENVIRONMENTAL ADVISORS, INC.



Patrick J. Brown  
Environmental Scientist I

Enclosure: Notice of an Initial Site Investigation and Tier IB Classification, Site Layout

cc: Westfield Health Department, Westfield City Hall, 59 Court St., Westfield, MA 01085  
MA DEP Western Region, 436 Dwight Street, Suite 500 Springfield, Massachusetts 01103

[www.cea-inc.com](http://www.cea-inc.com)

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*Solutions Since 1985*

## **Attachment 1**

### **Notice of an Initial Site Investigation and Tier IB Classification**

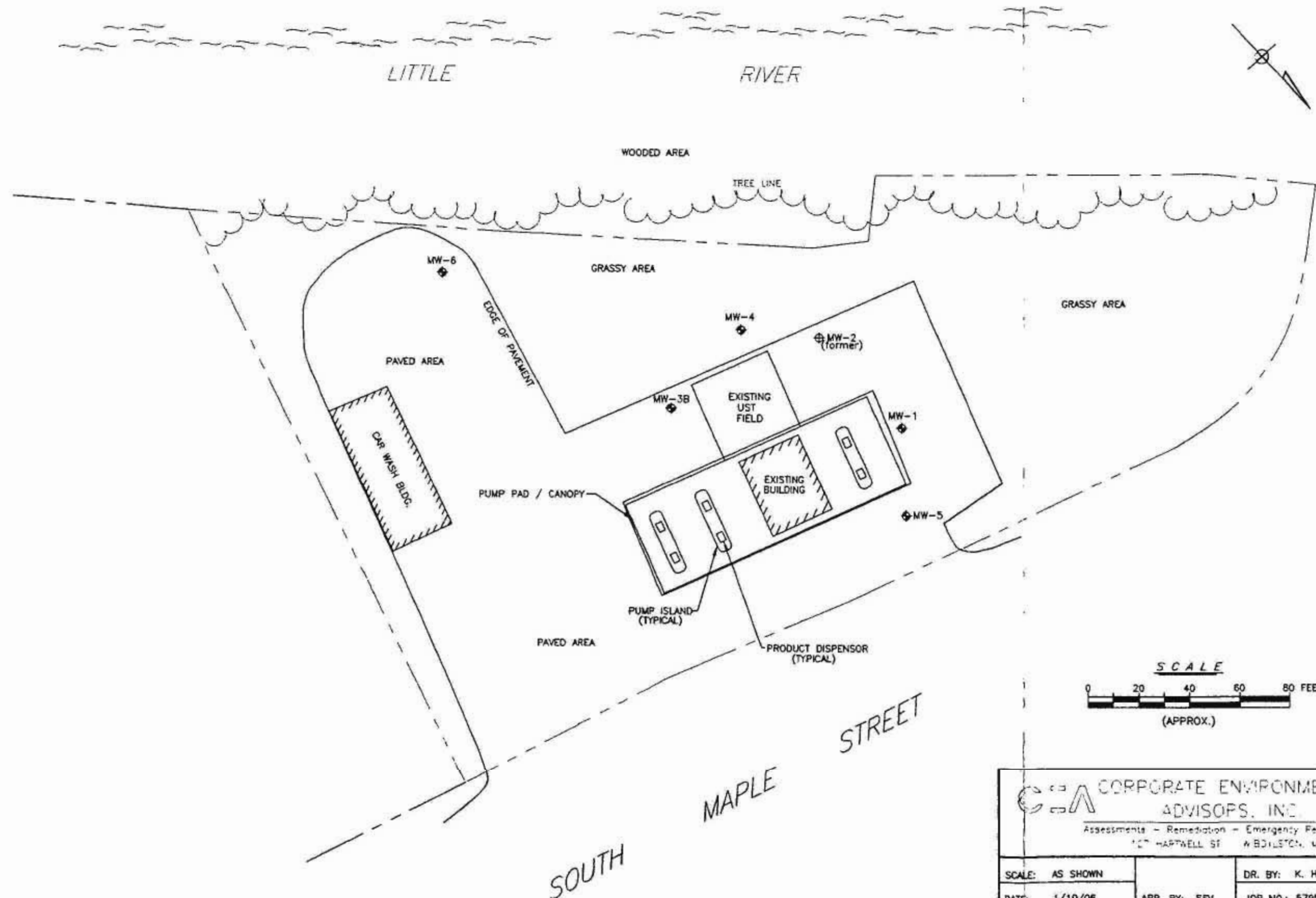
**NOTICE OF AN INITIAL SITE INVESTIGATION AND  
TIER II CLASSIFICATION**

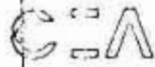
**Sunoco Inc. (R&M)  
Sunoco Station  
88-90 South Maple Street  
WESTFIELD, MASSACHUSETTS 01085  
RELEASE TRACKING NUMBER 1-15718**

Pursuant to the Massachusetts Contingency Plan (310 CMR 40.0480), an Initial Site Investigation has been performed at the above referenced location. A release of oil and/or hazardous materials has occurred at this location which is a disposal site (defined by M.G.L. c. 21E, Section 2). This site has been classified as **Tier II**, pursuant to 310 CMR 40.0500. Response actions at this site will be conducted by Sunoco Inc., (R&M) of Westfield, Massachusetts who has employed Mr. Scott E. VanderSea, (LSP #3978) to manage response actions in accordance with the Massachusetts Contingency Plan (310 CMR 40.0000).

M.G.L. c. 21E and the Massachusetts Contingency Plan provide additional opportunities for public notice of and involvement in decisions regarding response actions at disposal sites: 1) The Chief Municipal Official and Board of Health of the community in which the site is located will be notified of major milestones and events, pursuant to 310 CMR 40.1403; and 2) Upon receipt of a petition from ten or more residents of the municipality in which the disposal site is located, or of a municipality potentially affected by a disposal site, a plan for involving the public in decisions regarding response actions at the site will be prepared and implemented, pursuant to 310 CMR 40.1405.

To obtain more information on this disposal site and the opportunities for public involvement during response actions, please contact Mr. Scott E. VanderSea, L.S.P., L.E.P. Principal Hydrogeologist, Corporate Environmental Advisors, Inc. (CEA) 127 Hartwell Street, West Boylston, MA 01583 at (508) 835-8822.



 <b>CORPORATE ENVIRONMENTAL ADVISORS, INC.</b> Assessments - Remediation - Emergency Response 107 HARTWELL ST. WESTFIELD, MA		
SCALE: AS SHOWN		DR. BY: K. HAZEL
DATE: 1/10/06	APP. BY: SEV	JOB NO.: 5795-05
<b>SITE LAYOUT</b>		
SUNOCO, INC.		FIGURE-2
88 SOUTH MAPLE ST. WESTFIELD, MA.		



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107 *DB*

Release Tracking Number

1

15718

**TIER CLASSIFICATION TRANSMITTAL FORM**

Pursuant to 310 CMR 40.0500 (Subpart E)

**A. DISPOSAL SITE LOCATION:**

1. Disposal Site Name: Sunoco Station

2. Street Address: 88-90 South Maple Street

3. City/Town: Westfield

4. ZIP Code: 01085-0000



**B. THIS FORM IS BEING USED TO:** (check all that apply)

☐ 1. Submit a new **Tier Classification Submittal for a Tier I Site**, including a **Numerical Ranking Scoresheet (BWSC107A)** (check one). A Tier I Permit Application must also be submitted.

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC

☒ 2. Submit a new **Tier Classification Submittal for a Tier II Site**, including the **Numerical Ranking Scoresheet (BWSC107A)** and the **Tier II Compliance History (BWSC107B)**.

☒ 3. Submit a **Phase I Completion Statement** as per 310 CMR 40.0480.

If previously submitted, provide date \_\_\_\_\_  
mm/dd/yyyy

☐ 4. Submit a **Phase II Scope of Work** as per 310 CMR 40.0834.

If previously submitted, provide date \_\_\_\_\_  
mm/dd/yyyy

☒ 5. Submit a **Phase II Conceptual Scope of Work supporting a Tier Classification Submittal**.

☐ 6. Submit a **Tier II Extension Submittal** for Response Actions at a Tier II Site including the **Tier II Compliance History (BWSC107B)**.

☐ 7. Submit a **Tier II Transfer Submittal** for a change in person(s) undertaking Response Actions at a Tier II Site including the **Tier II Compliance History (BWSC107B)** and the **Tier II Transferor Certification (BWSC107C)**.

Proposed effective date of transfer: \_\_\_\_\_  
mm/dd/yyyy

☐ 8. Submit a **Revised Tier Classification Submittal**, including a **Numerical Ranking Scoresheet (BWSC107A)**. A Major Permit Modification may also need to be submitted.

If this revised submittal is re-classifying the site check the new classification.

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☐ d. Tier II

☐ 9. Submit a **Notice that an additional Release Tracking Number(s) is (are) being linked to this Tier Classified Site (Primary RTN)**. Future response actions addressing the Release or Threat of Release notification condition associated with additional Release Tracking Numbers (RTNs) will be conducted as part of the Response Actions planned or ongoing at the Primary Site listed above. For a previously Tier Classified Primary Site, if there is a reasonable likelihood that the addition of the new secondary RTN(s) would change the classification of the site, a **Revised Tier Classification Submittal** must also be made.

Provide Release Tracking Number(s): a. ☐ - ☐ b. ☐ - ☐

All future Response Actions must occur according to the deadlines applicable to the Primary RTN. Use only the Primary RTN when making future submittals for this site unless specifically relating to response actions started before the linking occurred.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107

**TIER CLASSIFICATION TRANSMITTAL FORM**

Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number

1

15718

**C. LSP SIGNATURE AND STAMP:**

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief.

> if Section B of this form indicates that a **Tier I or Tier II Classification Submittal** including the **Numerical Ranking System Scoresheet** is being submitted, this Tier Classification Submittal has been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Phase I Completion Statement** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Phase II Scope of Work** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Tier II Extension Submittal** or a **Tier II Transfer Submittal** is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 3978

2. First Name: Scott E.

3. Last Name: VanderSea

4. Telephone: (508) 835-8822

5. Ext.: 259

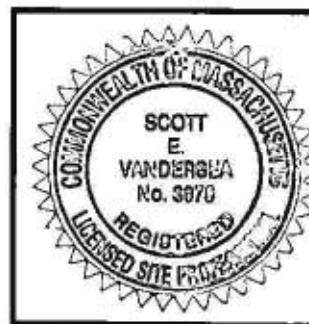
6. FAX: (508) 835-8812

7. Signature: [Handwritten Signature]

8. Date: 4/24/06

mm/dd/yyyy

9. LSP Stamp:







Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107

**TIER CLASSIFICATION TRANSMITTAL FORM**

Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number

1

15718

**D. PERSON MAKING SUBMITTAL:**

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☐ c. change in the person undertaking response action
2. Name of Organization: Sunoco Inc. (R & M)
3. Contact First Name: William J. 4. Last Name: Brochu
5. Street: 4 Bellows Rd., P.O. Box 1262 6. Title: Environmental Engineer
7. City/Town: Westborough 8. State: MA 9. ZIP Code: 01581-1262
10. Telephone: (800) 777-6444 11. Ext.: 1357 12. FAX: (866) 257-9205

**E. RELATIONSHIP OF PERSON MAKING SUBMITTAL TO DISPOSAL SITE:**

- ☒ 1. RP or PRP ☒ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter  
☐ e. Other RP or PRP Specify: \_\_\_\_\_
- ☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
- ☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
- ☐ 4. Any Other Person Making Submittal Specify Relationship: \_\_\_\_\_

**F. REQUIRED ATTACHMENT AND SUBMITTALS:**

- ☐ 1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
- ☒ 2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of any Phase Reports to DEP.
- ☒ 3. Check here to certify that a Legal Notice of a Tier Classification or Re-classification Submittal has been or will be made according to 310 CMR 40.1403, and a copy of the notice sent to DEP, the Chief Municipal Officer and the Local Board of Health.
- ☐ 4. For a Tier II Extension Submittal, check here to certify that a statement summarizing why a Permanent or Temporary Solution has not been achieved at the Disposal Site is attached.
- ☐ 5. For a Tier II Transfer Submittal, check here to certify that a statement summarizing the reasons for the proposed change in person(s) undertaking the Response Actions is attached. All Response Actions must be completed by the deadline applicable to the person who first filed either a Tier Classification Submittal for the Disposal Site or received a Waiver of Approvals.
- ☐ 6. Check here if any non-updatable information provided on this form is incorrect, e.g., Site Name or Street Address. Send corrections to the DEP Regional Office.
- ☒ 7. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107

TIER CLASSIFICATION TRANSMITTAL FORM

Pursuant to 310 CMR 40.0500 (Subpart E)

Release Tracking Number

1

15718

G. CERTIFICATION OF PERSON MAKING SUBMITTAL:

1. I, William Brochu, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

If submitting a Tier II Classification, Extension or Transfer, I also attest under the pains and penalties of perjury that (i) I/the person(s) or entity(ies) on whose behalf this submittal is made has/have personally examined and am/is familiar with the requirements of M.G.L. c. 21E and 310 CMR 40.0000; (ii) based upon my inquiry of the/those Licensed Site Professional(s) employed or engaged to render Professional Services for the disposal site which is the subject of this Transmittal Form and of the person(s) or entity(ies) on whose behalf this submittal is made, and my/those person(s)' or entity's(ies)' understanding as to the estimated costs of necessary response actions, that/those person(s) or entity(ies) has/have the technical, financial and legal ability to proceed with response actions for such site in accordance with M.G.L. c. 21E, 310 CMR 40.0000 and other applicable requirements; and (iii) that I am fully authorized to make this attestation on behalf of the person(s) or entity(ies) legally responsible for this submittal. I/the person(s) or entity(ies) on whose behalf this submittal is made is aware of the requirements in 310 CMR 40.0172 for notifying the Department in the event that I/the person(s) or entity(ies) on whose behalf this submittal is made learn(s) that it/they is/are unable to proceed with the necessary response actions.

2. By:

Signature

3. Title: Environmental Engineer

4. For: Sunoco Inc. (R & M)

(Name of person or entity recorded in Section D)

5. Date:

4/14/06  
mm/dd/yyyy

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section D.

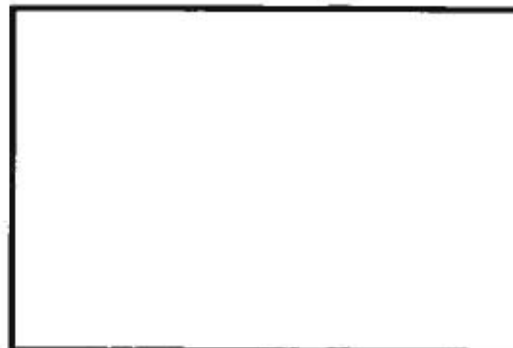
7. Street: \_\_\_\_\_

8. City/Town: \_\_\_\_\_ 9. State: \_\_\_\_\_ 10. ZIP Code: \_\_\_\_\_

11. Telephone: \_\_\_\_\_ 12. Ext.: \_\_\_\_\_ 13. FAX: \_\_\_\_\_

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Date Stamp (DEP USE ONLY):





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107A

NUMERICAL RANKING SYSTEM (NRS) SCORESHEET

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number

1

15718

A. NRS SCORESHEET SUMMARY SECTION:

1. Classification Submittal: (check one) ☒ a. Initial NRS Score ☐ b. Revised NRS Score

2. Disposal Site Score: ☐

II	III	IV	V	VI	Total
80	68	30	110	0	288

3. Disposal Site Classification: (check one)

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☒ d. Tier II

B. DISPOSAL SITE INFORMATION (NRS SECTION I):

1. UTM Coordinates: a. UTM N: 5313249 b. UTME: 301780

2. Check which, if any, of the Tier I inclusionary criteria are met by the Disposal Site, pursuant to 310 CMR 40.0520(2):

☐ a. Groundwater is located within an Interim Wellhead Protection Area or a Zone II, and there is evidence of groundwater contamination by an Oil or Hazardous Material at the time of Tier Classification at concentrations equal to or exceeding the applicable RCGW-1 Reportable Concentration set forth in 310 CMR 40.0360.

☐ b. An Imminent Hazard is present at the time of Tier Classification.

C. EXPOSURE PATHWAYS (NRS SECTION II):

1. Exposure Pathways, and Oil and Hazardous Material (OHM) Sources:

For A. through D., score according to 310 CMR 40.1512 - Exposure Pathway Designation Criteria and NRS Table II.

For E., score using NRS Table II.E.

	Score
A. Soil (includes sediment)	15
B. Groundwater	20
C. Surface Water (includes wetlands)	20
D. Air	0
E. Number of OHM Sources	25
Total NRS Section II Score (15 - 700)	80

2. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS?

☐ a. Yes ☒ b. No



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107A

NUMERICAL RANKING SYSTEM (NRS) SCORESHEET

Pursuant to 310 CMR 40.1511 (Subpart O)

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1

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3. Summary Rationale for Exposure Pathway Values, A. through D., and Phase I Report References:

A through D: Refer to Section 8.0, Phase I - Initial Site Investigation.

D. DISPOSAL SITE CHARACTERISTICS (NRS SECTION III):

1. Oil and Hazardous Material (OHM) Toxicity Score (NRS Section III.A.):

a. List the Four Highest OHM Toxicity Scores from NRS Table III.A.:

OHM Scored	Concentration and Media	Toxicity Score (1 - 80)
Methyl Tert Butyl Ether	22,900 ug/l in GW	35
Aliphatics C5-C8	2,920 ug/l in GW	25
Aromatics C9-C10	4,482 ug/l in GW	25
Aliphatics C9-C12	4,880 ug/l in GW	20

b. Score using NRS Worksheet III.A.1. to determine the OHM Toxicity Score for OHM not listed in NRS Table III.A.:

OHM	Human Health-based Toxicity Value	Concentration (Soil - ug/g)	Concentration (Water - ug/l)	Toxicity Score

c. Use the Highest OHM Toxicity Score from either NRS Table III.A. or Worksheet III.A.1.:

OHM Scored	Toxicity Score
Methyl Tert Butyl Ether	35



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107A

NUMERICAL RANKING SYSTEM (NRS) SCORESHEET

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number

1

15718

2. Multiple OHMs (NRS Section III.B.):

Was the Toxicity Score of more than one OHM greater than or equal to 30? ☐ a. Yes (30) ☒ b. No (0)

3. OHM Mobility and Persistence (NRS Section III.C.):

Score according to 310 CMR 40.1514 - OHM Mobility and Persistence

a. OHM Scored	b. Score (0 - 50)
Benzene	25

4. Disposal Site Hydrogeology (NRS Section III.D.):

Score according to 310 CMR 40.1515 - Soil Permeability, and NRS Table III.D.

Site Hydrogeology Score (2-20)
8

5. Total NRS Section III Score:

A.	B.	C.	D.	Total for Section III (3 - 180)
35	0	25	8	68

6. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS? ☐ a. Yes ☒ b. No

E. HUMAN POPULATION AND LAND USES (NRS SECTION IV):

1. Human Population (NRS Section IV.A.):

Score using NRS Table IV.A.

Residential Population within 1/2 Mile	Institutions within 500 Feet	On-site Workers	Population Score (0 - 40)
15	0	5	20

2. Aquifers (NRS Section IV.B.):

a. Sole Source Aquifer: ☐ i. Yes (25) ii. Name: \_\_\_\_\_ ☒ iii. No (0)

b. Potentially Productive Aquifer: ☐ i. Medium or High (15) ☒ ii. No (0)

3. Water Use (NRS Section IV.C.):

Score using NRS Table IV.C.

Proximity to Public Drinking Water Source	Persons Served by Public Drinking Water Supply	Private Water Supplies within 500 Feet	Alternate Public Water Supply Available	Water Use Score (0 - 125)
0	10	0	0	10

4. Total NRS Section IV Score:

A.	B.	C.	Total for Section IV (0 - 205)
20	0	10	30

5. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS? ☐ a. Yes ☒ b. No



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC107A

NUMERICAL RANKING SYSTEM (NRS) SCORESHEET

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number

1

15718

F. ECOLOGICAL POPULATION (NRS SECTION V):

1. Environmental Resource Areas (NRS Section V.A.): Score using NRS Table V.A.

Area of Critical Environmental Concern	Species of Special Concern, Threatened or Endangered Species Habitat	Wetlands, Certified Vernal Pool, or Outstanding Resource Water	Fish Habitat	Protected Open Space	Environmental Resource Area Score (0 - 150)
0	30	20	20	20	90

2. Environmental Toxicity Score (NRS Section V.B.):

Score only if Environmental Resource Area Score is greater than or equal to 30.

a. List the Three Highest Environmental Toxicity Scores from NRS Table V.B.:

OHM Scored	Concentration and Media	Toxicity Score (0 - 35)
PCBs	31.7 mg/Kg, Soil	20
Naphthalene	103 ug/l, Water	10
Toluene	2,060 ug/l, water	10

b. Score using NRS Worksheet V.B.1. to determine the Environmental Toxicity Score for OHM not listed in NRS Table V.B. See 310 CMR 40.1516 for Environmental Toxicity Values for each OHM.

OHM	Environmental Toxicity Value	Concentration (Soil - ug/g)	Concentration (Water - ug/l)	Environmental Toxicity Score
Methyl Tert Butyl Ether	20		22900.000	20
Aliphatics C9-C10	30		2920.0000	20
Aliphatics C5-C8	30		4880.0000	20

c. Use the Highest Environmental Toxicity Score from either NRS Table V.B. or from Worksheet V.B.1.:

OHM Scored	Toxicity Score
PCBs	20

3. Total NRS Section V Score:

A.	B.	Total for Section V (0 - 185)
90	20	110

4. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS? ☐ a. Yes ☒ b. No



### NUMERICAL RANKING SYSTEM (NRS) SCORESHEET

Pursuant to 310 CMR 40.1511 (Subpart O)

Release Tracking Number

1

15718

**G. MITIGATING DISPOSAL SITE -SPECIFIC CONDITIONS (NRS SECTION VI):**

1. Disposal site-specific conditions that warrant amending the site score. Changes directly related to NRS Sections or Subsection scores may not reduce the score more than the relevant subsection value assigned for the disposal site in that subsection. Section VI must reference specific pages of the Phase I. Section VI may not exceed plus or minus 50 points and may be scored only in 5-point increments.

☐ 2. Check here if additional pages are provided in an attachment.

3. Disposal Site Amendment (Not to exceed plus or minus 50 points):

**Total Score**  
**Section VI**



COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WESTERN REGIONAL OFFICE

436 DWIGHT STREET, SPRINGFIELD, MA 01103 413-784-1100

MITT ROMNEY  
Governor

KERRY HEALEY  
Lieutenant Governor

STEPHEN R. PRITCHARD  
Secretary

ROBERT W. GOLLEDGE, Jr.  
Commissioner

SUNOCO INC  
4 BELLOWS RD  
PO BOX 1262  
WESTBOROUGH, MA 01581-1262

Attn: WILLIAM BROCHU

February 15, 2006

RTN: 1-0015718

Site Name: 88-90 MAPLE ST  
City: WESTFIELD  
Date of Release Notification: 04/15/2005  
Release Type: 72 HR  
Oil

RE: Deadline Approaching

Dear WILLIAM BROCHU,

**This is a reminder that 04/15/2006 is the one-year deadline for you to submit important information to the Department of Environmental Protection (MassDEP).**

You are listed in MassDEP's records as a "potentially responsible party" (PRP). This means that MassDEP has reason to believe that you are responsible for cleaning up the release of oil and/or hazardous materials at the disposal site (the site) listed above. The Massachusetts Contingency Plan (the MCP), 310 CMR 40.0000, requires that, as a PRP, you submit important information to MassDEP about this disposal site within one year of notification to MassDEP of the release. **This one-year deadline is about to expire.**

The MCP allows one-year from the time MassDEP was notified of, or discovered this release or threat of release, for you to complete certain investigations and/or cleanup actions at this site. Specifically, within this one-year period, the MCP requires you to submit to MassDEP one of the following documents:

- Response Action Outcome (RAO) Statement, or
- Tier Classification Submittal.

If your property is downgradient of the source of the release you may (but are not required to) file a Downgradient Property Status (DPS) Submittal, instead of an RAO Statement or Tier Classification Submittal. A complete and properly supported DPS Submittal *stops* the regulatory clock for cleanup of the site, but only for the person who submitted it. However, even if you file a DPS Submittal, you are still obligated to perform certain response actions to prevent direct contact with contaminants or to address other time critical site conditions.

As of the date of this letter, MassDEP has not received any of the above-listed submittals (see the attachment for more information about each of these submittals). You should have already employed a Licensed Site Professional (LSP) to investigate and cleanup the release at this site. LSPs are professionals licensed by the Commonwealth of Massachusetts to manage, supervise, direct, and/or oversee site investigations and cleanups. Your LSP can help you learn more about your specific obligations for your site. If you have not retained an LSP, you will need to hire one to prepare and submit an RAO or Tier Classification. A list of LSPs may be obtained through the Internet at <http://www.mass.gov/dep/cleanup/licensed.htm>, or by calling the LSP Board at (617) 556-1091.

**Please note that if you fail to submit an RAO Statement or Tier Classification Submittal to MassDEP by the deadline mentioned above:**

- This site will be deemed by default a Tier ID Disposal Site. Unless you fall within limited exceptions, you will be assessed a Tier ID Annual Compliance Fee of \$4,000 (\$2,000, if you are a certified homeowner) for response actions that you carried out the first year. You will also be assessed an additional \$4,000 (\$2,000, if you are a certified homeowner) each year thereafter, until you submit a Tier Classification to classify the site and change the fee category.
- Enforcement actions may be initiated against you through MassDEP's Civil Administrative Penalty Regulations (310 CMR 5.00). The law provides for administrative penalties of up to \$25,000 per day for certain violations of the MCP. **If you fail to file an RAO Statement or Tier Classification Submittal you may be issued a Notice of Noncompliance (NON) by MassDEP. If you don't comply with the NON, you will be subject to a penalty of \$1,000 per day until such time as you comply with the MCP.** Therefore, it is in your best interest to provide MassDEP with one of the required submittals before your one-year deadline expires.

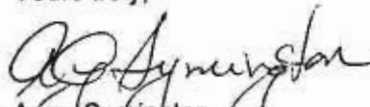
If you elect to address a Release Condition as part of Comprehensive Response Actions planned for a site that has already Tier Classified under a different Release Tracking Number (RTN), you must notify MassDEP using the appropriate submittal before the one-year deadline of the Release Condition. If you can submit an Immediate Response Action (IRA) Completion Statement prior to the deadline date, the linkage should be noted on that transmittal form (BWSC105). If an IRA Completion Statement either cannot be submitted by the deadline date, or is not applicable, a Tier Classification Transmittal Form (BWSC107) must be submitted noting the linkage. Future Comprehensive Response Actions must occur according to the deadlines applicable to the earliest RTN (the primary RTN). If an ongoing IRA is required to address the Release Condition, the appropriate IRA submittals are still required.

If the appropriate submittal has already been filed for your site, please disregard this letter. An RAO, Tier Classification, and DPS Submittal each require the stamp and signature of an LSP to confirm that response actions have been conducted in compliance with the MCP.

You and your LSP may obtain copies of all MassDEP forms and applications through the MassDEP web site: <http://www.mass.gov/dep/cleanup/approvals/forminfo.htm>, or by contacting your MassDEP regional service center.

Enclosed please find the "MCP First Year Compliance Fact Sheet". It explains in more detail the information you must submit to MassDEP by the site's one-year deadline to comply with the MCP. Any additional questions should be directed to David A. Slowick at (413) 755-2246.

Yours truly,

  
Anna Symington  
Deputy Regional Director  
Western Regional Office  
Bureau Waste Site Cleanup

Enclosure: MCP First Year Compliance Fact Sheet  
cc: Data Entry/File  
LSP of Record



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1

15718

**A. RELEASE OR THREAT OF RELEASE LOCATION:**

1. Release Name/Location Aid: Sunoco Station

2. Street Address: 88-90 South Maple Street

3. City/Town: Westfield

4. ZIP Code: 01085-0000

☐ 5. Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☐ d. Tier II

☐ 6. Check here if this location is Adequately Regulated, pursuant to 310 CMR 40.0110-0114. Specify Program (check one):

☐ a. CERCLA ☐ b. HSWA Corrective Action ☐ c. Solid Waste Management

☐ d. RCRA State Program (21C Facilities)

**B. THIS FORM IS BEING USED TO:** (check all that apply)

1. List Submittal Date of Initial IRA Written Plan (if previously submitted): \_\_\_\_\_  
(mm/dd/yyyy)

☐ 2. Submit an Initial IRA Plan.

☐ 3. Submit a Modified IRA Plan of a previously submitted written IRA Plan.

☐ 4. Submit an Imminent Hazard Evaluation. (check one)

☐ a. An Imminent Hazard exists in connection with this Release or Threat of Release.

☐ b. An Imminent Hazard does not exist in connection with this Release or Threat of Release.

☐ c. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release, and further assessment activities will be undertaken.

☐ d. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release. However, response actions will address those conditions that could pose an Imminent Hazard.

☐ 5. Submit a request to Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard.

☐ 6. Submit an IRA Status Report.

☒ 7. Submit an IRA Completion Statement.

☐ a. Check here if future response actions addressing this Release or Threat of Release notification condition will be conducted as part of the Response Actions planned or ongoing at a Site that has already been Tier Classified under a different Release Tracking Number (RTN). When linking RTNs, rescoring via the NRS is required if there is a reasonable likelihood that the addition of the new RTN(s) would change the classification of the site.

b. Provide Release Tracking Number of Tier Classified Site (Primary RTN):

☐ -

These additional response actions must occur according to the deadlines applicable to the Primary RTN. Use the Primary RTN when making all future submittals for the site unless specifically relating to this Immediate Response Action.

☐ 8. Submit a Revised IRA Completion Statement.

(All sections of this transmittal form must be filled out unless otherwise noted above)



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1 - 15718

**C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT IRA:**

1. Identify Media Impacted and Receptors Affected: (check all that apply)

- ☐ a. Air ☐ b. Basement ☐ c. Critical Exposure Pathway ☐ d. Groundwater ☐ e. Residence  
☐ f. Paved Surface ☐ g. Private Well ☐ h. Public Water Supply ☐ i. School ☐ j. Sediments  
☒ k. Soil ☐ l. Storm Drain ☐ m. Surface Water ☐ n. Unknown ☐ o. Wetland ☐ p. Zone 2  
☐ q. Others Specify: \_\_\_\_\_

2. Identify Oils and Hazardous Materials Released: (check all that apply)

- ☒ a. Oils ☐ b. Chlorinated Solvents ☐ c. Heavy Metals  
☐ d. Others Specify: Gasoline

**D. DESCRIPTION OF RESPONSE ACTIONS:** (check all that apply, for volumes list cumulative amounts)

- |  |   |
|--|---|
| <input type="checkbox"/> 1. Assessment and/or Monitoring Only                | <input type="checkbox"/> 2. Temporary Covers or Caps                        |
| <input type="checkbox"/> 3. Deployment of Absorbent or Containment Materials | <input type="checkbox"/> 4. Temporary Water Supplies                        |
| <input type="checkbox"/> 5. Structure Venting System                         | <input type="checkbox"/> 6. Temporary Evacuation or Relocation of Residents |
| <input type="checkbox"/> 7. Product or NAPL Recovery                         | <input type="checkbox"/> 8. Fencing and Sign Posting                        |
| <input type="checkbox"/> 9. Groundwater Treatment Systems                    | <input type="checkbox"/> 10. Soil Vapor Extraction                          |
| <input type="checkbox"/> 11. Bioremediation                                  | <input type="checkbox"/> 12. Air Sparging                                   |
| <input checked="" type="checkbox"/> 13. Excavation of Contaminated Soils     |   |

- ☒ a. Re-use, Recycling or Treatment ☐ i. On Site Estimated volume in cubic yards \_\_\_\_\_  
☒ ii. Off Site Estimated volume in cubic yards 20

ii.a. Receiving Facility: ESMI Town: Loudon State: NH

ii.b. Receiving Facility: Ted Ondrick Town: Chicopee State: MA

iii. Describe: 5 yds to Ondrick on 8/8/05; 10-15 yds to ESMI on 1/09/06

- ☐ b. Store ☐ i. On Site Estimated volume in cubic yards \_\_\_\_\_  
☐ ii. Off Site Estimated volume in cubic yards \_\_\_\_\_

ii.a. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

ii.b. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM**

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1 - 15718

**D. DESCRIPTION OF RESPONSE ACTIONS (cont):** (check all that apply, for volumes list cumulative amounts)

☐ c. Landfill

☐ i. Cover Estimated volume in cubic yards \_\_\_\_\_

Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ ii. Disposal Estimated volume in cubic yards \_\_\_\_\_

Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ 14. Removal of Drums, Tanks or Containers:

a. Describe Quantity and Amount: \_\_\_\_\_

b. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

c. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ 15. Removal of Other Contaminated Media:

a. Specify Type and Volume: \_\_\_\_\_

b. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

c. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ 16. Other Response Actions:

Describe: \_\_\_\_\_

☐ 17. Use of Innovative Technologies:

Describe: \_\_\_\_\_





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1 - 15718

E. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B of this form indicates that an **Immediate Response Action Plan** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that an **Imminent Hazard Evaluation** is being submitted, this Imminent Hazard Evaluation was developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and the assessment activity(ies) undertaken to support this Imminent Hazard Evaluation comply(ies) with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;

> if Section B of this form indicates that an **Immediate Response Status Report** is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that an **Immediate Response Action Completion Statement** or a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 3978

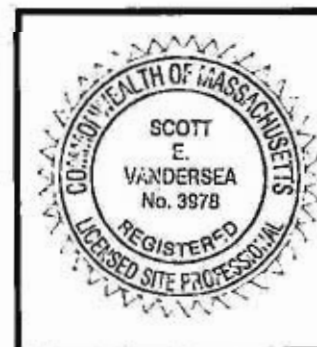
2. First Name: Scott E. 3. Last Name: VanderSea

4. Telephone: (508) 835-8822 5. Ext.: 259 6. FAX: (508) 835-8812

7. Signature: [Handwritten Signature]

8. Date: 2/8/06  
(mm/dd/yyyy)

9. LSP Stamp:





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1

15718

**F. PERSON UNDERTAKING IRA:**

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☐ c. change in the person undertaking response actions
2. Name of Organization: Sunoco Inc. (R & M)
3. Contact First Name: William J. 4. Last Name: Brochu
5. Street: 4 Bellows Rd., P.O. Box 1262 6. Title: Environmental Engineer
7. City/Town: Westborough 8. State: MA 9. ZIP Code: 01581-1262
10. Telephone: (800) 777-6444 11. Ext.: 1357 12. FAX: (866) 257-9205

**G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING IRA:**

- ☒ 1. RP or PRP ☒ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter  
☐ e. Other RP or PRP Specify: \_\_\_\_\_
- ☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
- ☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
- ☐ 4. Any Other Person Undertaking IRA Specify Relationship: \_\_\_\_\_

**H. REQUIRED ATTACHMENT AND SUBMITTALS:**

- ☐ 1. Check here if any Remediation Waste, generated as a result of this IRA, will be stored, treated, managed, recycled or reused at the site following submission of the IRA Completion Statement. If this box is checked, you must submit one of the following plans, along with the appropriate transmittal form.  
☐ a. A Release Abatement Measure (RAM) Plan (BWSC106) ☐ b. Phase IV Remedy Implementation Plan (BWSC108)
- ☐ 2. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
- ☒ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the implementation of an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.
- ☐ 4. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of a Completion Statement for an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.
- ☐ 5. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to the DEP Regional Office.
- ☒ 6. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1 - 15718

**I. CERTIFICATION OF PERSON UNDERTAKING IRA:**

1. I, William J. Brochu, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: [Signature] 3. Title: Environmental Engineer  
Signature

4. For: Sunoco Inc. (R & M) 5. Date: 2/2/06  
(Name of person or entity recorded in Section F) (mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section F.

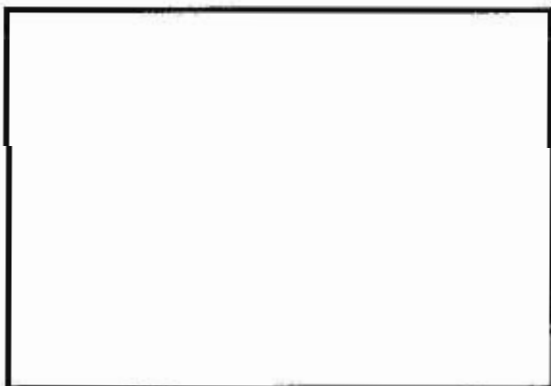
7. Street: \_\_\_\_\_

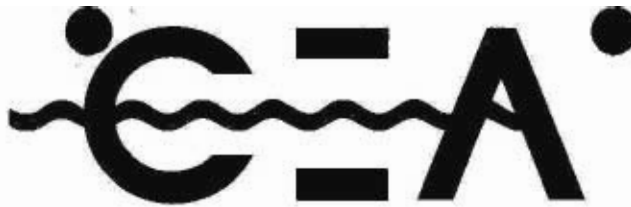
8. City/Town: \_\_\_\_\_ 9. State: \_\_\_\_\_ 10. ZIP Code: \_\_\_\_\_

11. Telephone: \_\_\_\_\_ 12. Ext.: \_\_\_\_\_ 13. FAX: \_\_\_\_\_

**YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.**

Date Stamp (DEP USE ONLY:)





September 6, 2005

**CORPORATE ENVIRONMENTAL ADVISORS, INC.**

Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup  
Western Regional Office  
436 Dwight Street  
Suite 500  
Springfield, Massachusetts 01103

**RE: Bill of Lading Package  
Sunoco Inc. (R & M)  
80-90 South Maple Street  
Westfield, Massachusetts 01564  
RTN 1-15718  
DUNS: 0374-5593  
CEA Ref # 5795-05**

Dear Sir or Madam:

On behalf of the Sunoco, Inc. (R & M), (Sunoco), Corporate Environmental Advisors, Inc. (CEA) is submitting the enclosed Bill of Lading (BOL) Package for the disposal of gasoline impacted soil from the above-referenced location, in response to the gasoline release which occurred on April 15, 2005.

If you have any questions regarding this submittal, please do not hesitate to contact our office at (508) 835-8822.

Sincerely,  
**Corporate Environmental Advisors, Inc.**

Patrick J. Brown  
Environmental Scientist I

Scott E. VanderSea, LSP, LEP  
Principal Hydrogeologist

Cc: William J. Brochu, Sunoco, Inc. (R&M), 4 Bellows Rd., P.O. Box 1262, Westborough, MA 01581

[www.cea-inc.com](http://www.cea-inc.com)

CORPORATE HEADQUARTERS: HARTWELL BUSINESS PARK • 127 HARTWELL STREET • WEST BOYLSTON, MA 01583 • PHONE: 508-835-8822 • FAX: 508-835-8812

**Solutions Since 1985**



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1 15718

**A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:**

Release Name (optional): Westfield Sunoco

Street: 88-90 South Maple Street

Location Aid: \_\_\_\_\_

City/Town: Westfield

ZIP Code: 01564

Date/Period of Generation: 4/15/2005 to: 4/27/2005

Additional Release Tracking Numbers Associated with this Bill of Lading: \_\_\_\_\_

\* Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.

**B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

Name of Organization: Sunoco Inc. (R & M)

Name of Contact: William J. Brochu

Title: Environmental Manager

Street: 4 Bellows Rd PO Box 1262

City/Town: Westborough

State: MA

ZIP Code: 01581

Telephone: (978) 422-6531

Ext.: \_\_\_\_\_

**C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

☒ RP or PRP Specify: ☒ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP: \_\_\_\_\_

☐ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ Other Person: \_\_\_\_\_

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

**D. TRANSPORTER OR COMMON CARRIER INFORMATION:**

Transporter/Common Carrier Name: Corporate Environmental Advisors, Inc.

Contact Person: Mark Noack

Title: Operations Manager

Street: 127 Hartwell Street

City/Town: West Boylston

State: MA

ZIP Code: 01583

Telephone: (508) 835-8822

Ext.: 253

**E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:**

Operator/Facility Name: Ted Ondrick Company, LLC

Contact Person: Paul Mullen

Title: \_\_\_\_\_

Street: 58 Industry Road

City/Town: Chicopee

State: MA

ZIP Code: 01020-0000

Telephone: 413-592-2081

Ext.: \_\_\_\_\_

Type of Facility:  
(check one)

☐ Asphalt Batch/Cold Mix

☐ Landfill/Disposal

☐ Incinerator

☐ Temporary Storage

☒ Asphalt Batch/Hot Mix

☐ Landfill/Daily Cover

☐ Other: \_\_\_\_\_

☐ Thermal Processing

☐ Landfill/Structural Fill

EPA Identification #: MV 413 592 2081

Division of Hazardous Waste/Class A Permit #: WR-96-07

Division of Solid Waste Management Permit #: \_\_\_\_\_

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): \_\_\_\_\_ to: \_\_\_\_\_

Reason for Temporary Storage: \_\_\_\_\_





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1 15718

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued) :

Temporary Storage Address:

Street: \_\_\_\_\_

City/Town: \_\_\_\_\_

State: \_\_\_\_\_

ZIP Code: \_\_\_\_\_

F. DESCRIPTION OF REMEDIATION WASTE:

(check all that apply)

- ☒ Contaminated Media (check all that apply): ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Other: \_\_\_\_\_
- ☐ Contaminated Debris (check all that apply): ☐ Vegetation or Organic Debris ☐ Demolition/Construction Waste
- ☐ Inorganic Absorbant Materials ☐ Other: \_\_\_\_\_
- ☐ Non-hazardous Uncontainerized Waste (check all that apply): ☐ Non-aqueous Phase Liquid ☐ Other: \_\_\_\_\_
- ☐ Non-hazardous Containerized Waste (check all that apply): ☐ Tank Bottoms/Sludges ☐ Containers ☐ Drums
- ☐ Engineered Impoundments ☐ Other: \_\_\_\_\_

Type of Contamination (check all that apply): ☒ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil

☐ Kerosene ☐ Jet Fuel ☐ Other: \_\_\_\_\_

Estimated Volume of Materials: Cubic Yards: 5 Tons: 4 Other: \_\_\_\_\_

Contaminant Source (check one/specify): ☐ Transportation Accident ☐ Underground Storage Tank ☒ Other: UST piping

Response Action Associated with Bill of Lading (check one): ☒ Immediate Response Action ☐ Release Abatement Measure

☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☐ Other: \_\_\_\_\_

Remediation Waste Characterization Support Documentation attached:

☒ Site History Information ☐ Sampling and Analytical Methods and Procedures ☒ 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 DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: Corporate Environmental Advisors

LSP Name: Scott VanderSea Title: Regional Manager

Telephone: (508) 835-8822 Ext.: 259

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

- (i) the standard of care in 309 CMR 4.02(1),  
(ii) the applicable provisions of 309 CMR 4.02(2) and (3), and  
(iii) the provisions of 309 CMR 4.03(5).

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

LSP Signature: Scott VanderSea

Seal:

Date: 6/17/05

License Number: 3979







**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC-012A**

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

1 - 15718

**H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:**

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, the material 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: \_\_\_\_\_

6/17/05

Name of Person (print): William J. Brochu



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)  
LOG SHEET 1 OF 1

Release Tracking Number:

1 - 15718

I. LOAD INFORMATION:

LOAD 1: Signature of Transporter Representative:

Date of Shipment: 08/08/05 Time of Shipment: 11:30 (circle one) am/pm

Truck/Tractor Registration: 37123 Trailer Registration (if any): 646618

Receiving Facility/Temporary Storage Representative:

Date of Receipt: 08/08/05 Time of Receipt: 11:52 (circle one) am/pm

Load Size (cu. yds./tons): 8.60 ton

LOAD 2: Signature of Transporter Representative:

Date of Shipment:     /     /     Time of Shipment:     :     (circle one) am/pm

Truck/Tractor Registration:     Trailer Registration (if any):    

Receiving Facility/Temporary Storage Representative:

Date of Receipt:     /     /     Time of Receipt:     :     (circle one) am/pm

Load Size (cu. yds./tons):     ton

LOAD 3: Signature of Transporter Representative:

Date of Shipment:     /     /     Time of Shipment:     :     (circle one) am/pm

Truck/Tractor Registration:     Trailer Registration (if any):    

Receiving Facility/Temporary Storage Representative:

Date of Receipt:     /     /     Time of Receipt:     :     (circle one) am/pm

Load Size (cu. yds./tons):     ton

LOAD 4: Signature of Transporter Representative:

Date of Shipment:     /     /     Time of Shipment:     :     (circle one) am/pm

Truck/Tractor Registration:     Trailer Registration (if any):    

Receiving Facility/Temporary Storage Representative:

Date of Receipt:     /     /     Time of Receipt:     :     (circle one) am/pm

Load Size (cu. yds./tons):     ton

LOAD 5: Signature of Transporter Representative:

Date of Shipment:     /     /     Time of Shipment:     :     (circle one) am/pm

Truck/Tractor Registration:     Trailer Registration (if any):    

Receiving Facility/Temporary Storage Representative:

Date of Receipt:     /     /     Time of Receipt:     :     (circle one) am/pm

Load Size (cu. yds./tons):     ton

LOAD 6: Signature of Transporter Representative:

Date of Shipment:     /     /     Time of Shipment:     :     (circle one) am/pm

Truck/Tractor Registration:     Trailer Registration (if any):    

Receiving Facility/Temporary Storage Representative:

Date of Receipt:     /     /     Time of Receipt:     :     (circle one) am/pm

Load Size (cu. yds./tons):     ton

LOAD 7: Signature of Transporter Representative:

Date of Shipment:     /     /     Time of Shipment:     :     (circle one) am/pm

Truck/Tractor Registration:     Trailer Registration (if any):    

Receiving Facility/Temporary Storage Representative:

Date of Receipt:     /     /     Time of Receipt:     :     (circle one) am/pm

Load Size (cu. yds./tons):     ton

J. LOG SHEET VOLUME INFORMATION:

Total Volume This Page (cu. yds./tons): 8.60 ton

Total Carried Forward (cu. yds./tons):     ton

Total Carried Forward and This Page (cu. yds./tons): 8.60 ton



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 1 OF 1

1 - 15718

K. SUMMARY OF SHIPMENTS:

Date of Shipment:

Date of Receipt:

Number of Loads Shipped:

Daily Volume Shipped  
(cu. yds./tons)

8-8-05

8-8-05

1

8.60 tons

Summary Sheet Total Shipped:

1

8.60 tons

Bill of Lading Total Shipped  
(only if different):



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET

Release Tracking Number

1 - 15718

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

**L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:**

Receiving Facility/Temporary Storage Representative (print):

Paul Mullen

Title: Supervisor

Signature:

Date:

8-23-05

**M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON  
CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:**

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, the material information contained in 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 of Person (print):



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number:

SUMMARY SHEET

1 - 15718

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print):

Paul Mullen

Title: Supervisor

Signature:

Date: 8-23-05

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON  
CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

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, the material information contained in hereon 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:

8/30/05

Name of Person (print):

William J Brach On behalf of Supaco Inc (R.I.M.)

# DEP BWSC PRA LEVEL 1 AUDIT FORM

**Disclaimer:** This checklist is for use by DEP in reviewing Preliminary Response Actions (PRA), and may not be relied upon for any other purpose. This checklist is not a comprehensive list of PRA requirements, which are fully set forth in MGL c. 21E and 310 CMR 40.0000. Completion of this checklist by DEP does not constitute a final agency decision, and does not create any legal rights or relieve any party of obligations that exist pursuant to applicable laws.

Lead RTN: <u>1-15718</u>			ER ASM Staff <u>Eckert</u>	
<b>SUBMITTAL TYPE (Circle)</b> <input checked="" type="radio"/> IRA      RAM      URAM Plan      Status/Monitor      Completion Statement Phase I      T-Class (NRS)      LRA - Soil Amt: _____ Related RTNs: _____		Release Notification (circle one) 2-Hour / <input checked="" type="radio"/> 12-Hour / 120-Day  OHM description: (Source, Type of OHM, Media Affected) <u>gasoline, disp. line, Soil, minor GW</u> Default Tier IB Yes <input checked="" type="radio"/> No (If Yes, No RAMs allowed)		Date PRA Rcvd <u>8/12/05</u> Date Screened <u>8/16/05</u> TSAUD Site Use: <u>Comm. Gas Sales &amp; Conv. Store</u>

Town: <u>Westfield</u>	Site Name: <u>Sunoco Station</u>
Address: <u>88-90 South Maple Street</u>	
PRP/OP: <u>Sunoco, Inc.</u>	LSP Name: <u>Vander Sea</u>
Consultant: <u>CEA</u>	LSP No.: <u>3978</u>

TECHNICAL SCREENING CHECKLIST			
Condition	Yes	No	Page #
<b>I. SITE CONCERNS (Based upon conditions at time of PRA submittal)</b>			
<b>A. Time Critical Conditions</b>			
1. <input checked="" type="checkbox"/> Applicable GW-2 standard exceeded @ residence/school with no soil gas/indoor air sampling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. <input checked="" type="checkbox"/> Site contaminants impacting indoor air	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>B. Drinking Water</b>			
1. Site within potential drinking water source area (PDWSA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Site located within IWSA/mapped Zone II	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Private/Non-municipal public well(s) located within 500 feet of site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Municipal well(s) located within 1000 feet of site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. <input checked="" type="checkbox"/> Private well contaminated as a result of site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. <input checked="" type="checkbox"/> Public water supply contaminated as a result of site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>C. Contaminated Soil</b>			
1. Category S-3 Soils	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Category S-2 Soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Category S-1 Soils	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>D. Site and Area Use</b>			
1. Industrial (no children likely to be present)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Commercial (limited presence of children)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. School/Institution	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Residential	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>E. Released OHM [Contaminant Type(s)]</b>			
1. Petroleum Fuel Oils	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Gasoline, lube oils, waste oils and other petroleum products	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Metals, coal tar, PCBs, pesticides/herbicides, asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Chlorinated Solvents or Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>F. Environmental Concerns</b>			
1. Site within 500 feet of surface water and/or wetlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Endangered species habitat, ACEC and/or certified vernal pool within 500 feet	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. <input checked="" type="checkbox"/> Confirmed contam. of surface water, sediments and/or wetlands with site contaminants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>G. Site Complexity</b>			
1. Media other than groundwater or soil affected (surface water, air, sediment)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Co-mingled plumes (i.e., different sources from one or more sites co-mingled)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Bedrock contamination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If <input checked="" type="checkbox"/> conditions currently exist, see supervisor to discuss.			



# DEP BWSC PRA LEVEL 1 AUDIT FORM

*Disclaimer:* This checklist is for use by DEP in reviewing Preliminary Response Actions (PRA), and may not be relied upon for any other purpose. This checklist is not a comprehensive list of PRA requirements, which are fully set forth in MGL c. 21E and 310 CMR 40.0000. Completion of this checklist by DEP does not constitute a final agency decision, and does not create any legal rights or relieve any party of obligations that exist pursuant to applicable laws.

II. TECHNICAL ADEQUACY	Citation(s)	Yes	No	?	NA	Page #
<b>A. Release or Threat of Release Conditions – Indication That:</b>						
1. Notification conditions have been properly identified	40.0332	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. The appropriate media and receptors have been identified	40.0403	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Notification was made on or before the required notification time/date (2-hr/72-hr/120 day)	40.0404(1), 40.0300 – 40.0336	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>B. Description of Response Actions – Indication That:</b>						
1. Response actions have been described fully	40.0400	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Special conditions, and/or Interim deadlines have been met	40.0404(1), 40.0420(2), 40.0443(6)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Response actions taken were approved (if necessary)	40.0404(1), 40.0420(2), 40.0443(6), 40.0463(2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Response actions proposed or taken demonstrate the level of diligence necessary, consider relevant policies, methods or practices, or have been technically justified	40.0191, 40.0193	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Analytical or environmental monitoring data is scientifically valid and defensible, and of a level of precision and accuracy commensurate with its stated or intended use	40.0017	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>C. Remediation Waste – Indication That:</b>						
1. Remediation waste has been managed appropriately	40.0030	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Bill of Lading/Manifest is correct/complete	40.0034	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>III. Preliminary Response Action Type</b>						
<b>A. Immediate Response Actions (required for 2/72-hr release) – Indication That:</b>						
1. Deadlines have been met (Plan within 60 days, Status Report within 120 days and every 6 months from approval or receipt of Plan, Completion Report within 60 days following completion of IRA activities)	40.0404(2), 40.0420(7), 40.0425(1)(2), 40.0427(2)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. The IRA Plan/Status Report/Completion Report is adequate/complete	40.0424, 40.0425, 40.0427	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Release/threat of release has been adequately assessed or additional assessment is planned	40.0405, 40.0414(2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. An Imminent Hazard condition has been assessed	40.0426	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. A condition of Substantial Release Migration likely exists and has been assessed or doesn't exist	40.0006, 40.0313(5), 40.0412(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Critical Exposure Pathway has been eliminated and/or mitigated or doesn't exist	40.0006, 40.0414(3)&(4), 40.0427(1)(c)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Ph III completed when cap/engineered barrier was proposed or constructed as part of a Permanent Solution	40.0414(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Excavation and stockpiling of <100 cyds (cum.) UST-related oil- or waste oil-contaminated soil before notif.	40.0421(3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>B. Release Abatement Measures – Indication That:</b>						
1. Submittal deadlines have been met (Plan within 60 days, Status Report within 120 days and every 6 months from approval or receipt of Plan, Completion Report within 60 days following completion of RAM activities)	40.0404(2), 40.0443(1)&(5), 40.0445(1), 40.0446(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. The RAM Plan/Status Report/Completion Report is adequate/complete	40.0444, 40.0445, 40.0446	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. An IRA condition does not exist	40.0441(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Off-site disposal of up to 500 cubic yards (cumulative) of OHM-contaminated soil	40.0442(2)(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. On or off-site treatment, recycling, or reuse of up to 1500 cubic yards (cumulative) of OHM-contaminated soil	40.0442(2)(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Excavation of >1500 cyds (cum.) OHM-contaminated soil with certification of sufficient financial resources	40.0442(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Ph III completed when cap/engineered barrier was proposed or constructed as part of a Permanent Solution	40.0442(3), 40.0996(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C. Utility-related Abatement Measures – Indication That:</b>						
1. During emergency repair, notification provided within 72-hours of conducting URAM	40.0462(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Submittal deadlines have been met (Letter of Intent within 7 days, Status Report within 120 days and every 6 months from notification, Completion Report within 60 days following completion of URAM activities)	40.0404(2), 40.0462, 40.0465(1), 40.0466(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. A 2-hour or 72-hour reporting condition does not likely exist	40.0461(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Excavation of <100 cyds (cum.) oil- or waste oil-contaminated soil (LSP not required)	40.0462(4)(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Excavation of <20 cyds (cum.) haz. mat.-contaminated soil or mixed oil/haz mat soil (LSP not required)	40.0462(4)(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Temporary relocation of soil is returned to site or otherwise managed within 14 days	40.0462(6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Reasonable attempt made to notify property owner, except during non-business-hour emergency repairs	40.462(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1

15718

**A. RELEASE OR THREAT OF RELEASE LOCATION:**

1. Release Name/Location Aid: Sunoco Station

2. Street Address: 88-90 South Maple Street

3. City/Town: Westfield

4. ZIP Code: 01085-0000



☐ 5. Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☐ d. Tier II

☐ 6. Check here if this location is Adequately Regulated, pursuant to 310 CMR 40.0110-0114. Specify Program (check one):

☐ a. CERCLA ☐ b. HSWA Corrective Action ☐ c. Solid Waste Management

☐ d. RCRA State Program (21C Facilities)

**B. THIS FORM IS BEING USED TO:** (check all that apply)

1. List Submittal Date of Initial IRA Written Plan (if previously submitted): \_\_\_\_\_  
(mm/dd/yyyy)

☐ 2. Submit an Initial IRA Plan.

☐ 3. Submit a Modified IRA Plan of a previously submitted written IRA Plan.

☐ 4. Submit an Imminent Hazard Evaluation. (check one)

☐ a. An Imminent Hazard exists in connection with this Release or Threat of Release.

☐ b. An Imminent Hazard does not exist in connection with this Release or Threat of Release.

☐ c. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release, and further assessment activities will be undertaken.

☐ d. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release. However, response actions will address those conditions that could pose an Imminent Hazard.

☐ 5. Submit a request to Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard.

☒ 6. Submit an IRA Status Report.

☐ 7. Submit an IRA Completion Statement.

☐ a. Check here if future response actions addressing this Release or Threat of Release notification condition will be conducted as part of the Response Actions planned or ongoing at a Site that has already been Tier Classified under a different Release Tracking Number (RTN). When linking RTNs, rescoring via the NRS is required if there is a reasonable likelihood that the addition of the new RTN(s) would change the classification of the site.

b. Provide Release Tracking Number of Tier Classified Site (Primary RTN):  -

These additional response actions must occur according to the deadlines applicable to the Primary RTN. Use the Primary RTN when making all future submittals for the site unless specifically relating to this Immediate Response Action.

☐ 8. Submit a Revised IRA Completion Statement.

(All sections of this transmittal form must be filled out unless otherwise noted above)



**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1

15718

**C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT IRA:**

1. Identify Media Impacted and Receptors Affected: (check all that apply)

- ☐ a. Air ☐ b. Basement ☐ c. Critical Exposure Pathway ☐ d. Groundwater ☐ e. Residence  
☐ f. Paved Surface ☐ g. Private Well ☐ h. Public Water Supply ☐ i. School ☐ j. Sediments  
☒ k. Soil ☐ l. Storm Drain ☐ m. Surface Water ☐ n. Unknown ☐ o. Wetland ☐ p. Zone 2  
☐ q. Others Specify: \_\_\_\_\_

2. Identify Oils and Hazardous Materials Released: (check all that apply)

- ☐ a. Oils ☐ b. Chlorinated Solvents ☐ c. Heavy Metals  
☐ d. Others Specify: Gasoline

**D. DESCRIPTION OF RESPONSE ACTIONS:** (check all that apply, for volumes list cumulative amounts)

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> 1. Assessment and/or Monitoring Only     | <input type="checkbox"/> 2. Temporary Covers or Caps                        |
| <input type="checkbox"/> 3. Deployment of Absorbent or Containment Materials | <input type="checkbox"/> 4. Temporary Water Supplies                        |
| <input type="checkbox"/> 5. Structure Venting System                         | <input type="checkbox"/> 6. Temporary Evacuation or Relocation of Residents |
| <input type="checkbox"/> 7. Product or NAPL Recovery                         | <input type="checkbox"/> 8. Fencing and Sign Posting                        |
| <input type="checkbox"/> 9. Groundwater Treatment Systems                    | <input type="checkbox"/> 10. Soil Vapor Extraction                          |
| <input type="checkbox"/> 11. Bioremediation                                  | <input type="checkbox"/> 12. Air Sparging                                   |
| <input type="checkbox"/> 13. Excavation of Contaminated Soils                |   |

☐ a. Re-use, Recycling or Treatment ☐ i. On Site Estimated volume in cubic yards \_\_\_\_\_

☐ ii. Off Site Estimated volume in cubic yards \_\_\_\_\_

ii.a. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

ii.b. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

iii. Describe: \_\_\_\_\_

☐ b. Store ☐ i. On Site Estimated volume in cubic yards \_\_\_\_\_

☐ ii. Off Site Estimated volume in cubic yards \_\_\_\_\_

ii.a. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

ii.b. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_



**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1

15718

**D. DESCRIPTION OF RESPONSE ACTIONS (cont.):** (check all that apply, for volumes list cumulative amounts)

☐ c. Landfill

☐ i. Cover Estimated volume in cubic yards \_\_\_\_\_

Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ ii. Disposal Estimated volume in cubic yards \_\_\_\_\_

Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ 14. Removal of Drums, Tanks or Containers:

a. Describe Quantity and Amount: \_\_\_\_\_

b. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

c. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ 15. Removal of Other Contaminated Media:

a. Specify Type and Volume: \_\_\_\_\_

b. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

c. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ 16. Other Response Actions:

Describe: \_\_\_\_\_

☐ 17. Use of Innovative Technologies:

Describe: \_\_\_\_\_





**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1

15718

**E. LSP SIGNATURE AND STAMP:**

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B of this form indicates that an **Immediate Response Action Plan** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that an **Imminent Hazard Evaluation** is being submitted, this Imminent Hazard Evaluation was developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and the assessment activity(ies) undertaken to support this Imminent Hazard Evaluation comply(ies) with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;

> if Section B of this form indicates that an **Immediate Response Status Report** is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

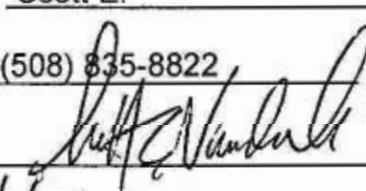
> if Section B of this form indicates that an **Immediate Response Action Completion Statement** or a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 3978

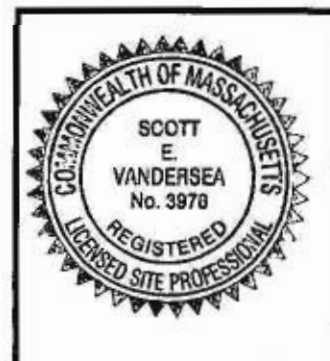
2. First Name: Scott E. 3. Last Name: VanderSea

4. Telephone: (508) 835-8822 5. Ext.: 259 6. FAX: (508) 835-8812

7. Signature: 

8. Date: 8/9/05  
(mm/dd/yyyy)

9. LSP Stamp:





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1

15718

**F. PERSON UNDERTAKING IRA:**

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☐ c. change in the person undertaking response actions
2. Name of Organization: Sunoco Inc. (R & M)
3. Contact First Name: William J. 4. Last Name: Brochu
5. Street: 4 Bellows Rd., P.O. Box 1262 6. Title: Environmental Engineer
7. City/Town: Westborough 8. State: MA 9. ZIP Code: 01581-1262
10. Telephone: (978) 567-5836 11. Ext.: \_\_\_\_\_ 12. FAX: \_\_\_\_\_

**G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING IRA:**

- ☒ 1. RP or PRP ☒ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter  
☐ e. Other RP or PRP Specify: \_\_\_\_\_
- ☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
- ☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
- ☐ 4. Any Other Person Undertaking IRA Specify Relationship: \_\_\_\_\_

**H. REQUIRED ATTACHMENT AND SUBMITTALS:**

- ☐ 1. Check here if any Remediation Waste, generated as a result of this IRA, will be stored, treated, managed, recycled or reused at the site following submission of the IRA Completion Statement. If this box is checked, you must submit one of the following plans, along with the appropriate transmittal form.  
☐ a. A Release Abatement Measure (RAM) Plan (BWSC106) ☐ b. Phase IV Remedy Implementation Plan (BWSC108)
- ☐ 2. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
- ☒ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the implementation of an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.
- ☐ 4. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of a Completion Statement for an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.
- ☐ 5. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to the DEP Regional Office.
- ☒ 6. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.





Massachusetts Department of Environmental Protection  
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BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1 - 15718

**I. CERTIFICATION OF PERSON UNDERTAKING IRA:**

1. I, William J. Brochu, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: [Signature] 3. Title: Environmental Engineer  
Signature

4. For: Sunoco Inc. (R & M) 5. Date: 8/8/05  
(Name of person or entity recorded in Section F) (mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section F.

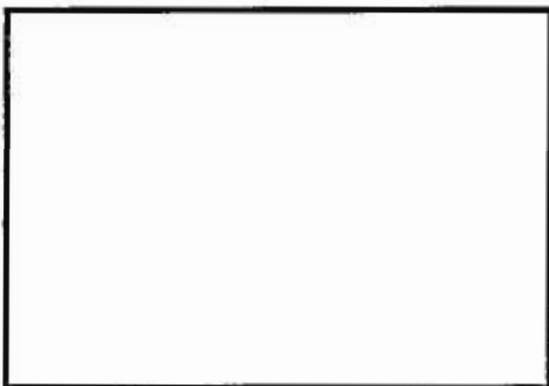
7. Street: \_\_\_\_\_

8. City/Town: \_\_\_\_\_ 9. State: \_\_\_\_\_ 10. ZIP Code: \_\_\_\_\_

11. Telephone: \_\_\_\_\_ 12. Ext.: \_\_\_\_\_ 13. FAX: \_\_\_\_\_

**YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.**

Date Stamp (DEP USE ONLY:)



# DEP BWSC PRA LEVEL 1 AUDIT FORM

**Disclaimer:** This checklist is for use by DEP in reviewing Preliminary Response Actions (PRA), and may not be relied upon for any other purpose. This checklist is not a comprehensive list of PRA requirements, which are fully set forth in MGL c. 21E and 310 CMR 40.0000. Completion of this checklist by DEP does not constitute a final agency decision, and does not create any legal rights or relieve any party of obligations that exist pursuant to applicable laws.

Lead RTN: <u>1-15718</u>			ER ASM Staff <u>Smity</u>	
<b>SUBMITTAL TYPE (Circle)</b> <input checked="" type="radio"/> IRA    RAM    URAM <input type="radio"/> Plan    Status/Monitor    Completion Statement <input type="radio"/> Phase I    T-Class (NRS)    LRA - Soil Amt: Related RTNs: _____			Release Notification (circle one) 2-Hour <input checked="" type="radio"/> 12-Hour    120-Day OHM description: (Source, Type of OHM, Media Affected) <u>gasoline release from piping at to subsurface ... dispenser island piping</u> Tier ID Yes / No	
			Date PRA Rcvd <u>6/24/05</u> Date Screened <u>8/8/05</u> TSAUD Site Use: <u>Commercial abutting residential</u>	
Town: <u>Westfield</u>		Site Name:		
Address: <u>88-90 S. Maple Street</u>				
PRP/OP: <u>Sunoco (Rom)</u>		LSP Name: <u>Scott Vandevise</u>		
Consultant: <u>CEA</u>		LSP No.: <u>3978</u>		

## TECHNICAL SCREENING CHECKLIST

Condition	Yes	No	?	Page #
<b>I. SITE CONCERNS (Based upon conditions at time of PRA submittal)</b>				
<b>A. Time Critical Conditions</b>				
1. <input type="checkbox"/> Applicable GW-2 standard exceeded @ residence/school with no soil gas/indoor air sampling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. <input type="checkbox"/> Site contaminants impacting indoor air	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>B. Drinking Water</b>				
1. Site within potential drinking water source area (PDWSA)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Site located within IWPA/mapped Zone II	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Private/Non- municipal public well(s) located within 500 feet of site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Municipal well(s) located within 1000 feet of site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. <input type="checkbox"/> Private well contaminated as a result of site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. <input type="checkbox"/> Public water supply contaminated as a result of site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>C. Contaminated Soil</b>				
1. Category S-3 Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Category S-2 Soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Category S-1 Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>D. Site and Area Use</b>				
1. Industrial (no children likely to be present)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Commercial (limited presence of children)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. School/Institution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Residential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>E. Released OHM (Contaminant Type(s))</b>				
1. Petroleum Fuel Oils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Gasoline, lube oils, waste oils and other petroleum products	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Metals, coal tar, PCBs, pesticides/herbicides, asbestos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Chlorinated Solvents or Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>F. Environmental Concerns</b>				
1. Site within 500 feet of surface water and/or wetlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Endangered species habitat, ACEC and/or certified vernal pool within 500 feet	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. <input type="checkbox"/> Confirmed contam. of surface water, sediments and/or wetlands with site contaminants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>G. Site Complexity</b>				
1. Media other than groundwater or soil affected (surface water, air, sediment)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Co-mingled plumes (i.e., different sources from one or more sites co-mingled)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Bedrock contamination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If <input type="checkbox"/> conditions currently exist, see supervisor to discuss.				

REQUIREMENTS: THIS CHECKLIST IS FOR USE BY THE INDUSTRY TO DETERMINE IF THE CURRENT OPERATIONS OF THE FACILITY ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE MGL c. 21E AND 310 CMR 40.0000. Completion of this checklist by DEP does not constitute a final agency decision, and does not create any legal rights or relieve any party of obligations that exist pursuant to applicable laws.

II. TECHNICAL ADEQUACY		Citation(s)	Yes	No	NA	Page #
<b>A. Release or Threat of Release Conditions - Indication That:</b>						
1. Notification conditions have been properly identified		40.0332	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. The appropriate media and receptors have been identified		40.0403	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Notification was made on or before the required notification time/date (2-hr/72-hr/120 day)		40.0404(1), 40.0300 - 40.0336	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>B. Description of Response Actions - Indication That:</b>						
1. Response actions have been described fully		40.0400	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Special conditions, and/or Interim deadlines have been met		40.0404(1), 40.0420(2), 40.0443(6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Response actions taken were approved (if necessary)		40.0404(1), 40.0420(2), 40.0443(6), 40.0463(2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Response actions proposed or taken demonstrate the level of diligence necessary, consider relevant policies, methods or practices, or have been technically justified		40.0191, 40.0193	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Analytical or environmental monitoring data is scientifically valid and defensible, and of a level of precision and accuracy commensurate with its stated or intended use		40.0017	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C. Remediation Waste - Indication That:</b>						
1. Remediation waste has been managed appropriately		40.0030	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Bill of Lading/Manifest is correct/complete		40.0034	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>III. Preliminary Response Action Type</b>						
<b>A. Immediate Response Actions (required for 272-hr release) - Indication That:</b>						
1. Deadlines have been met (Plan within 60 days, Status Report within 120 days and every 6 months from approval or receipt of Plan, Completion Report within 60 days following completion of IRA activities)		40.0404(2), 40.0420(7), 40.0425(1)(2), 40.0427(2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. The IRA Plan/Status Report/Completion Report is adequate/complete		40.0424, 40.0425, 40.0427	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Release/threat of release has been adequately assessed or additional assessment is planned		40.0405, 40.0414(2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. An Imminent Hazard condition has been assessed		40.0426	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. A condition of Substantial Release Migration likely exists and has been assessed or doesn't exist		40.0006, 40.0313(5), 40.0412(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. Critical Exposure Pathway has been eliminated and/or mitigated or doesn't exist		40.0006, 40.0414(3)&(4), 40.0427(1)(c)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Ph III completed when cap/engineered barrier was proposed or constructed as part of a Permanent Solution		40.0414(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Excavation and stockpiling of <100 cyds (cum.) UST-related oil- or waste oil-contaminated soil before notif		40.0421(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>B. Release/Abatement Measures - Indication That:</b>						
1. Submittal deadlines have been met (Plan within 60 days, Status Report within 120 days and every 6 months from approval or receipt of Plan, Completion Report within 60 days following completion of RAM activities)		40.0404(2), 40.0443(1)&(5), 40.0445(1), 40.0446(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. The RAM Plan/Status Report/Completion Report is adequate/complete		40.0444, 40.0445, 40.0446	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. An IRA condition does not exist		40.0441(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Off-site disposal of up to 500 cubic yards (cumulative) of OHM-contaminated soil		40.0442(2)(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. On or off-site treatment, recycling, or reuse of up to 1500 cubic yards (cumulative) of OHM-contaminated soil		40.0442(2)(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Excavation of >1500 cyds (cum.) OHM-contaminated soil with certification of sufficient financial resources		40.0442(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Ph III completed when cap/engineered barrier was proposed or constructed as part of a Permanent Solution		40.0442(3), 40.0996(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>C. Utility-related Abatement Measures - Indication That:</b>						
1. During emergency repair, notification provided within 72-hours of conducting URAM		40.0462(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Submittal deadlines have been met (Letter of Intent within 7 days, Status Report within 120 days and every 6 months from notification, Completion Report within 60 days following completion of URAM activities)		40.0404(2), 40.0462, 40.0465(1), 40.0466(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. A 2-hour or 72-hour reporting condition does not likely exist		40.0461(3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Excavation of <100 cyds (cum.) oil- or waste oil-contaminated soil (LSP not required)		40.0462(4)(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Excavation of <20 cyds (cum.) haz. mat.-contaminated soil or mixed oil/haz mat soil (LSP not required)		40.0462(4)(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Temporary relocation of soil is returned to site or otherwise managed within 14 days		40.0462(6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Reasonable attempt made to notify property owner, except during non-business-hour emergency repairs		40.462(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM**

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1 - 15718



**A. RELEASE OR THREAT OF RELEASE LOCATION:**

1. Release Name/Location Aid: Sunoco Station

2. Street Address: 88-90 South Maple Street

3. City/Town: Westfield

4. ZIP Code: 01085-0000

☐ 5. Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.

☐ a. Tier IA ☐ b. Tier IB ☐ c. Tier IC ☐ d. Tier II

☐ 6. Check here if this location is Adequately Regulated, pursuant to 310 CMR 40.0110-0114. Specify Program (check one):

☐ a. CERCLA ☐ b. HSWA Corrective Action ☐ c. Solid Waste Management

☐ d. RCRA State Program (21C Facilities)

**B. THIS FORM IS BEING USED TO:** (check all that apply)

1. List Submittal Date of Initial IRA Written Plan (if previously submitted): \_\_\_\_\_  
(mm/dd/yyyy)

☒ 2. Submit an **Initial IRA Plan**.

☐ 3. Submit a **Modified IRA Plan** of a previously submitted written IRA Plan.

☐ 4. Submit an **Imminent Hazard Evaluation**. (check one)

☐ a. An Imminent Hazard exists in connection with this Release or Threat of Release.

☐ b. An Imminent Hazard does not exist in connection with this Release or Threat of Release.

☐ c. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release, and further assessment activities will be undertaken.

☐ d. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release. However, response actions will address those conditions that could pose an Imminent Hazard.

☐ 5. Submit a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard**.

☐ 6. Submit an **IRA Status Report**.

☐ 7. Submit an **IRA Completion Statement**.

☐ a. Check here if future response actions addressing this Release or Threat of Release notification condition will be conducted as part of the Response Actions planned or ongoing at a Site that has already been Tier Classified under a different Release Tracking Number (RTN). When linking RTNs, rescoring via the NRS is required if there is a reasonable likelihood that the addition of the new RTN(s) would change the classification of the site.

b. Provide Release Tracking Number of Tier Classified Site (Primary RTN):  -

These additional response actions must occur according to the deadlines applicable to the Primary RTN. Use the Primary RTN when making all future submittals for the site unless specifically relating to this Immediate Response Action.

☐ 8. Submit a **Revised IRA Completion Statement**.

(All sections of this transmittal form must be filled out unless otherwise noted above)



Massachusetts Department of Environmental Protection  
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**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1 - 15718

**C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT IRA:**

1. Identify Media Impacted and Receptors Affected: (check all that apply)

- ☐ a. Air ☐ b. Basement ☐ c. Critical Exposure Pathway ☐ d. Groundwater ☐ e. Residence  
☐ f. Paved Surface ☐ g. Private Well ☐ h. Public Water Supply ☐ i. School ☐ j. Sediments  
☒ k. Soil ☐ l. Storm Drain ☐ m. Surface Water ☐ n. Unknown ☐ o. Wetland ☐ p. Zone 2  
☐ q. Others Specify: \_\_\_\_\_

2. Identify Oils and Hazardous Materials Released: (check all that apply)

- ☒ a. Oils ☐ b. Chlorinated Solvents ☐ c. Heavy Metals  
☐ d. Others Specify: Gasoline

**D. DESCRIPTION OF RESPONSE ACTIONS:** (check all that apply, for volumes list cumulative amounts)

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> 1. Assessment and/or Monitoring Only     | <input type="checkbox"/> 2. Temporary Covers or Caps                        |
| <input type="checkbox"/> 3. Deployment of Absorbent or Containment Materials | <input type="checkbox"/> 4. Temporary Water Supplies                        |
| <input type="checkbox"/> 5. Structure Venting System                         | <input type="checkbox"/> 6. Temporary Evacuation or Relocation of Residents |
| <input type="checkbox"/> 7. Product or NAPL Recovery                         | <input type="checkbox"/> 8. Fencing and Sign Posting                        |
| <input type="checkbox"/> 9. Groundwater Treatment Systems                    | <input type="checkbox"/> 10. Soil Vapor Extraction                          |
| <input type="checkbox"/> 11. Bioremediation                                  | <input type="checkbox"/> 12. Air Sparging                                   |
| <input checked="" type="checkbox"/> 13. Excavation of Contaminated Soils     |   |

- ☒ a. Re-use, Recycling or Treatment ☐ i. On Site Estimated volume in cubic yards \_\_\_\_\_  
☒ ii. Off Site Estimated volume in cubic yards 100

ii.a. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

ii.b. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

iii. Describe: \_\_\_\_\_

- ☐ b. Store ☐ i. On Site Estimated volume in cubic yards \_\_\_\_\_  
☐ ii. Off Site Estimated volume in cubic yards \_\_\_\_\_

ii.a. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

ii.b. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1 - 15718

**D. DESCRIPTION OF RESPONSE ACTIONS (cont):** (check all that apply, for volumes list cumulative amounts)

☐ c. Landfill

☐ i. Cover Estimated volume in cubic yards \_\_\_\_\_

Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ ii. Disposal Estimated volume in cubic yards \_\_\_\_\_

Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ 14. Removal of Drums, Tanks or Containers:

a. Describe Quantity and Amount: \_\_\_\_\_

b. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

c. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ 15. Removal of Other Contaminated Media:

a. Specify Type and Volume: \_\_\_\_\_

b. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

c. Receiving Facility: \_\_\_\_\_ Town: \_\_\_\_\_ State: \_\_\_\_\_

☐ 16. Other Response Actions:

Describe: \_\_\_\_\_

☐ 17. Use of Innovative Technologies:

Describe: \_\_\_\_\_





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1 - 15718

**E. LSP SIGNATURE AND STAMP:**

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B of this form indicates that an **Immediate Response Action Plan** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that an **Imminent Hazard Evaluation** is being submitted, this Imminent Hazard Evaluation was developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and the assessment activity(ies) undertaken to support this Imminent Hazard Evaluation comply(ies) with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;

> if Section B of this form indicates that an **Immediate Response Status Report** is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

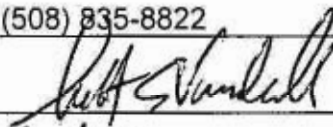
> if Section B of this form indicates that an **Immediate Response Action Completion Statement** or a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 3978

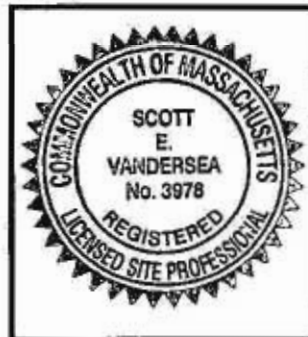
2. First Name: Scott E. 3. Last Name: VanderSea

4. Telephone: (508) 835-8822 5. Ext.: 259 6. FAX: (508) 835-8812

7. Signature: 

8. Date: 6/22/05  
(mm/dd/yyyy)

9. LSP Stamp:





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1 - 15718

**F. PERSON UNDERTAKING IRA:**

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☐ c. change in the person undertaking response actions

2. Name of Organization: Sunoco Inc. (R & M)

3. Contact First Name: William J.

4. Last Name: Brochu

5. Street: 4 Bellows Rd., P.O. Box 1262

6. Title: Environmental Engineer

7. City/Town: Westborough

8. State: MA

9. ZIP Code: 01581-1262

10. Telephone: (978) 567-5836

11. Ext.: \_\_\_\_\_

12. FAX: \_\_\_\_\_

**G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING IRA:**

☒ 1. RP or PRP ☒ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter  
☐ e. Other RP or PRP Specify: \_\_\_\_\_

☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ 4. Any Other Person Undertaking IRA Specify Relationship: \_\_\_\_\_

**H. REQUIRED ATTACHMENT AND SUBMITTALS:**

☐ 1. Check here if any Remediation Waste, generated as a result of this IRA, will be stored, treated, managed, recycled or reused at the site following submission of the IRA Completion Statement. If this box is checked, you must submit one of the following plans, along with the appropriate transmittal form.

☐ a. A Release Abatement Measure (RAM) Plan (BWSC106) ☐ b. Phase IV Remedy Implementation Plan (BWSC108)

☐ 2. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

☒ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the implementation of an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.

☐ 4. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of a Completion Statement for an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.

☐ 5. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to the DEP Regional Office.

☒ 6. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC105

**IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL  
FORM** Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number

1 - 15718

**I. CERTIFICATION OF PERSON UNDERTAKING IRA:**

1. I, William J. Brochu, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: [Signature] 3. Title: Environmental Engineer  
Signature

4. For: Sunoco Inc. (R & M) 5. Date: 6/21/05  
(Name of person or entity recorded in Section F) (mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section F.

7. Street: \_\_\_\_\_

8. City/Town: \_\_\_\_\_ 9. State: \_\_\_\_\_ 10. ZIP Code: \_\_\_\_\_

11. Telephone: \_\_\_\_\_ 12. Ext.: \_\_\_\_\_ 13. FAX: \_\_\_\_\_

**YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.**

Date Stamp (DEP USE ONLY:)



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC103

RELEASE NOTIFICATION & NOTIFICATION  
RETRACTION FORM

Release Tracking Number

1 - 15718

Pursuant to 310 CMR 40.0335 and 310 CMR 40.0371 (Subpart C)

A. RELEASE OR THREAT OF RELEASE LOCATION:

1. Release Name/Location Aid: Sunoco Station

2. Street Address: 88-90 South Maple Street

3. City/Town: Westfield

4. ZIP Code: 01085-4352



B. THIS FORM IS BEING USED TO: (check one)

☒ 1. Submit a Release Notification

☐ 2. Submit a Retraction of a Previously Reported Notification of a release or threat of release including supporting documentation required pursuant to 310 CMR 40.0335 (Section C is not required)

(All sections of this transmittal form must be filled out unless otherwise noted above)

C. INFORMATION DESCRIBING THE RELEASE OR THREAT OF RELEASE (TOR):

1. Date and time of Oral Notification, if applicable: 04/15/2005 Time: 09:40 ☒ AM ☐ PM  
mm/dd/yyyy hh:mm

2. Date and time you obtained knowledge of the Release or TOR: 04/12/2005 Time: 02:30 ☐ AM ☒ PM  
mm/dd/yyyy hh:mm

3. Date and time release or TOR occurred, if known: \_\_\_\_\_ Time: \_\_\_\_\_ ☐ AM ☐ PM  
mm/dd/yyyy hh:mm

Check all Notification Thresholds that apply to the Release or Threat of Release:  
(for more information see 310 CMR 40.0310 - 40.0315)

4. 2 HOUR REPORTING CONDITIONS

- ☐ a. Sudden Release
- ☐ b. Threat of Sudden Release
- ☐ c. Oil Sheen on Surface Water
- ☐ d. Poses Imminent Hazard
- ☐ e. Could Pose Imminent Hazard
- ☐ f. Release Detected in Private Well
- ☐ g. Release to Storm Drain
- ☐ h. Sanitary Sewer Release (Imminent Hazard Only)

5. 72 HOUR REPORTING CONDITIONS

- ☐ a. Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/2 Inch
- ☒ b. Underground Storage Tank (UST) Release
- ☐ c. Threat of UST Release
- ☐ d. Release to Groundwater near Water Supply
- ☐ e. Release to Groundwater near School or Residence
- ☐ f. Substantial Release Migration

6. 120 DAY REPORTING CONDITIONS

- ☐ a. Release of Hazardous Material(s) to Soil or Groundwater Exceeding Reportable Concentration(s)
- ☐ b. Release of Oil to Soil Exceeding Reportable Concentration(s) and Affecting More than 2 Cubic Yards
- ☐ c. Release of Oil to Groundwater Exceeding Reportable Concentration(s)
- ☐ d. Subsurface Non-Aqueous Phase Liquid (NAPL) Equal to or Greater than 1/8 Inch and Less than 1/2 Inch



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC103

RELEASE NOTIFICATION & NOTIFICATION  
RETRACTION FORM

Release Tracking Number

1 - 15718

Pursuant to 310 CMR 40.0335 and 310 CMR 40.0371 (Subpart C)

C. INFORMATION DESCRIBING THE RELEASE OR THREAT OF RELEASE (TOR): (cont.)

7. List below the Oils (O) or Hazardous Materials (HM) that exceed their Reportable Concentration (RC) or Reportable Quantity (RQ) by the greatest amount.

O or HM Released	CAS Number, if known	O or HM	Amount or Concentration	Units	RCs Exceeded, if Applicable (RCS-1, RCS-2, RCGW-1, RCGW-2)
Gasoline		O	235	PPM	N/A

☐ 8. Check here if a list of additional Oil and Hazardous Materials subject to reporting is attached.

D. PERSON REQUIRED TO NOTIFY:

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☐ c. change in the person notifying

2. Name of Organization: Sunoco Inc. (R&M)

3. Contact First Name: William J. 4. Last Name: Brochu

5. Street: 4 Bellows Rd., P.O. Box 1262 6. Title: Environmental Engineer

7. City/Town: Westborough 8. State: MA 9. ZIP Code: 01581-1262

10. Telephone: (978) 567-5836 11. Ext.: \_\_\_\_\_ 12. FAX: \_\_\_\_\_

☐ 13. Check here if attaching names and addresses of owners of properties affected by the Release or Threat of Release, other than an owner who is submitting this Release Notification (required).

E. RELATIONSHIP OF PERSON TO RELEASE OR THREAT OF RELEASE:

☒ 1. RP or PRP ☒ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter

☐ e. Other RP or PRP Specify: \_\_\_\_\_

☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ 4. Any Other Person Otherwise Required to Notify Specify Relationship: \_\_\_\_\_



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC103

RELEASE NOTIFICATION & NOTIFICATION  
RETRACTION FORM

Release Tracking Number

1 - 15718

Pursuant to 310 CMR 40.0335 and 310 CMR 40.0371 (Subpart C)

F. CERTIFICATION OF PERSON REQUIRED TO NOTIFY:

1. I, William J. Brochu, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: [Signature] 3. Title: Environmental Engineer  
Signature

4. For: Sunoco, Inc. (R&M) 5. Date: 6/13/05  
(Name of person or entity recorded in Section D) mm/dd/yyyy

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section D.

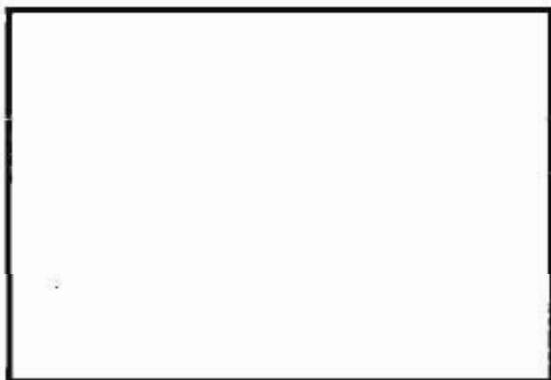
7. Street: \_\_\_\_\_

8. City/Town: \_\_\_\_\_ 9. State: \_\_\_\_\_ 10. ZIP Code: \_\_\_\_\_

11. Telephone: \_\_\_\_\_ 12. Ext.: \_\_\_\_\_ 13. FAX: \_\_\_\_\_

YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY  
RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU  
MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY:)







*Via Overnight Confirmation*

**CORPORATE ENVIRONMENTAL ADVISORS, INC.**

June 13, 2005

Commonwealth of Massachusetts  
Department of Environmental Protection  
Western Regional Office  
436 Dwight Street  
Springfield, MA 01103



**RE: Release Notification Form - Release Condition  
Sunoco Station  
88-90 South Maple Street  
Westfield, Massachusetts  
DUNS: 0374-5593  
MA DEP RTN: 1-15718  
CEA File No. 5795-05**

Dear Sir or Madam:

On behalf of Sunoco, Inc., (R&M) (Sunoco), Corporate Environmental Advisors, Inc. (CEA) is submitting the enclosed Release Notification Form (RNF), Bureau of Waste Site Cleanup Form (BWSC-103) for a 72-Hour reporting condition identified at the above location. On April 12, 2005, at approximately 2:30 p.m. Sunoco obtained knowledge of a failed tightness test for product piping associated with an underground storage tank (UST). This represents a 72-hour reportable (Threat of Release) condition pursuant to 310 CMR 40.0314(1) of the Massachusetts Contingency Plan (MCP).

On April 15, 2005, at approximately 9:40 a.m., verbal notification was provided to the Massachusetts Department of Environmental Protection (MA DEP) for the 72-hour Reportable Condition. Subsequently, MA DEP assigned Release Tracking Number (RTN) 1-15718 and provided verbal authorization for an assessment only Immediate Response Action (IRA) as required by 310 CMR 40.0412(2).

If you have any questions regarding this submittal, please do not hesitate to contact our office at (508) 835-8822.

Sincerely,  
*Corporate Environmental Advisors, Inc.*

Patrick J. Brown  
Environmental Scientist

Scott E. VanderSea, LSP, LEP  
Principal Hydrogeologist

cc: William J. Brochu, Sunoco, Inc. (R&M), 4 Bellows Rd., P.O. Box 1262, Westborough, MA 01581  
Yvonne M. Monti, Sunoco, Inc. (R&M), Quaker Park, 4<sup>th</sup> Floor, 1001 E. Hector St., Conshohocken, PA 19428

[www.cea-inc.com](http://www.cea-inc.com)

CORPORATE HEADQUARTERS: HARTWELL BUSINESS PARK • 127 HARTWELL STREET • WEST BOYLSTON, MA 01583 • PHONE: 508-835-8822 • FAX: 508-835-8812

*Solutions Since 1985*



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-101

RELEASE LOG FORM

Release Tracking Number

1-15718

A. LOG INFORMATION:

Log Date:

9:40

TYPE OF CALL (check one):

☒ Release or TOR

☐ Complaint

☐ Inquiry

Log Time:

4/15/05

Check one:

☐ AM ☐ PM

Use of Form:

(check one)

☐ Initial Office

☐ Boston

☐ Amended

CALLER (check one):

☐ PRP

☐ Public Safety Official

☐ Other Government Agency

☐ Citizen

☐ Anonymous

☐ LSP or PRP Agent

☐ Other Person:

DISPOSITION OF CALL (check the one most applicable disposition below):

If selecting one of the two following options, assign a Release Tracking Number (RTN) in the space provided above:

☒ Reportable Release or Threat of Release

☐ Release or Threat of Release Less Than Reporting Threshold

Select one of the two following options only if an RTN was previously assigned:

☐ Release Notification Retraction (with BWSC-103 only)

☐ Not a 21E Release

If selecting any option below, do not assign an RTN:

☐ Release or Threat of Release Exempt from Reporting Requirements (not referred)

☐ Report Referred to Other Agency or Division

Reporting Person:

SCOTT VANDERSEAF

Telephone:

508-835-8822

Ext.:

Organization:

CEA

Referred To:

☐ No Action Taken

☐ Site Visit

☐ Compliance Site Visit

B. RELEASE OR THREAT OF RELEASE LOCATION:

Street:

88-90 Maple Street

Location Aid:

City/Town:

Westfield

Adequately Regulated Status:

Fee Status:

Type of Location (check all that apply):

☐ Commercial

☐ Industrial

☐ Residential

☐ School

☐ Municipal

☐ State

☐ Federal

☐ Right of Way

☐ Roadway

☐ Water Body

☐ Open Space

Other:

Release Tracking Number of Associated Transition or Tier Classified Site, if any:

C. RELEASE OR THREAT OF RELEASE (TOR) INFORMATION:

Notification Date, if different from log date:

"One Year" Status Date, if not one year after notification date:

Date and time reporting person obtained knowledge of the Release or TOR. Date:

Time:

☐ AM

☐ PM

IF KNOWN, record date and time Release or TOR occurred. Date:

Time:

☐ AM

☐ PM

Check all conditions that apply to the Release or Threat of Release:

2 HOUR REPORTING CONDITIONS

☐ Sudden Release

☐ Threat of Sudden Release

☐ Oil Sheen on Surface Water

☐ Poses Imminent Hazard

☐ Could Pose Imminent Hazard

☐ Release Detected in Private Well

☐ Release to Storm Drain

☐ Sanitary Sewer Release

(Imminent Hazard Only)

72 HOUR REPORTING CONDITIONS

☐ Subsurface NAPL = or > 1/2 Inch

☒ UST Release

☐ Threat of UST Release

☐ Release to Groundwater near Water Supply

☐ Release to Groundwater near School

or Residence

120 DAY REPORTING CONDITIONS

☐ Release of HM(s) to Soil or Groundwater > RC(s)

☐ Release of Oil to Soil > RC(s) and Affecting > 2 Cubic Yards

☐ Release of Oil to Groundwater > RC(s)

☐ Subsurface NAPL = or > 1/8 Inch and < 1/2 Inch

☐ Check here if Substantial Release Migration exists in connection with 120 Day Reporting Conditions

Source of Release or TOR (check all that apply):

☐ UST

☐ Pipe/Hose/Line

☐ AST

☐ Drums

☐ Transformer

☐ Boat

☐ Tanker Truck

☐ Vehicle

☐ Unknown

☐ Other

Specify:

RELEASE FROM UST

PRODUCT LINE VERIFIED

Federal LUST Eligible?

☐ Yes

☐ No

☐ Unknown

SECTION C IS CONTINUED ON THE NEXT PAGE.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-101

Release Tracking Number

1-15718

RELEASE LOG FORM

C. RELEASE OR THREAT OF RELEASE (TOR) INFORMATION: (continued)

Type of Release or TOR (check all that apply): ☐ Leak ☐ Spill ☐ Rupture ☐ Dumping ☐ Tank Removal ☐ Overfill

☐ Vehicle Accident ☒ Test Failure ☐ Fire ☐ Threat Only ☐ Unknown ☐ Other Specify: \_\_\_\_\_

Identify Media and Receptors Affected: (check all that apply) ☐ Air ☐ Groundwater ☐ Surface Water ☐ Sediments ☒ Soil

☐ Wetlands ☐ Storm Drain ☐ Paved Surface ☐ Private Well ☐ Public Water Supply ☐ Zone 2 ☐ Residence

☐ School ☐ Unknown ☐ Other Specify: \_\_\_\_\_

O or HM Released

GASOLINE

(check one)

CAS # (if known)

Amount or Conc.

Units

RCs Exceeded?

☒ ☐ HM

☐ ☐ HM

Description of Release or Threat of Release:

PRODUCT LINE FAILURE (REG UNCOVERED  
TIGHTNESS TEST) ON APRIL 12TH 2:30 PM (T.O.K).  
SIGHT CURRENTLY SHUT DOWN. UNCOVERED CORRODED  
COUPLING. HNA - 150ppm in SURROUNDING

D. PRP INFORMATION:

☐ PRP Unknown ☒ PRP Performing Response Actions ☐ Check here if additional involved parties are listed on an RLFA.

☐ PRP Unwilling or Unable to Perform Response Actions. Who is? ☐ DEP ☐ Other Person Who: \_\_\_\_\_

Name of PRP Organization:

SUNOCO INC. (R&M)

Name of PRP Contact:

WILLIAM BROGAN

Title:

Street: 4 BELLONS RD.

☐ Check here if this PRP received a field NOR.

City/Town:

P.O. BOX 1262 WESTBOROUGH

State:

MA

ZIP Code:

01583

Telephone:

508-541-2342

Ext.:

FAX:

E. CONTRACTOR:

Contractor Name:

Telephone:

Ext.:

Name of Contact:

☐ Check here if this is a State Contractor.

F. LSP:

LSP Name:

SCOTT VANDERSEN

LSP Number:

Telephone:

CEA

Ext.:

FAX:

G. MCP RESPONSE ACTIONS: (check any that apply)

☐ IRA Assessment Only ☐ IRA Oral Plan Approved\* ☐ IRA Oral Plan Denied ☐ IRA Pre-notification

☐ Oral RAM Plan Approved\* ☐ Oral RAM Plan Denied ☐ Notice of Intent to Conduct a URAM

Date of Action, if different from Log Date: \_\_\_\_\_

\* Provide details of approved plans on an RLFA.

☐ Check here if soil was removed from the site prior to notification.

☐ Check here if the soil was removed as part of an UST closure.

Quantity of soil previously removed and destination: \_\_\_\_\_

H. DEP ASSIGNMENT:

RNF Submittal Requested: ☐ No ☐ Yes From Who: \_\_\_\_\_

Provisions of 21E Explained: ☐ Yes ☐ No Why Not: \_\_\_\_\_

Prepared By:

SCOTT SMITH

Regional Use: \_\_\_\_\_

Staff Lead Assigned

(if different from Preparer):

Number of RLFA Pages Attached: \_\_\_\_\_

☐ Check here if Release or TOR is unassigned.



COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WESTERN REGIONAL OFFICE

436 Dwight Street • Springfield, Massachusetts 01103 • (413) 784-1100 • FAX (413) 784-1149

FILE COPY

MITT ROMNEY  
Governor

KERRY HEALEY  
Lieutenant Governor

ELLEN ROY HERZFELDER  
Secretary

ROBERT W. GOLLEDGE, Jr.  
Commissioner

April 19, 2005

URGENT LEGAL MATTER: PROMPT ACTION NECESSARY  
CERTIFIED MAIL: RETURN RECEIPT REQUESTED

Sunoco, Inc.  
4 Bellows Rd.  
P.O. Box 1262  
Westborough, MA 01583

Attn. William Brochu

Re: Westfield  
88-90 Maple Street  
RTN 1-15718  
RELEASE NOTIFICATION and  
NOTICE of RESPONSIBILITY  
M.G.L. c. 21E and 310 CMR 40.0000

Dear Mr. Brochu:

On April 15, 2005 at 9:40 A.M., notification was provided on your behalf to the Massachusetts Department of Environmental Protection (the Department) of a release of gasoline from product piping associated with an underground storage tank at the above-referenced location. In addition to oral notification, 310 CMR 40.0333 further requires that a completed Release Notification Form (RNF) be submitted to the Department within 60 calendar days of the date of the oral notification.

The Department has reason to believe that you (as used in this letter, "you" refers to Sunoco, Inc.) are a potentially responsible party (PRP) with liability under Section 5(a) of M.G.L. c. 21E. This liability is "strict", meaning that it is not based on fault, but solely on your status as owner, operator, generator, transporter, disposer or other person specified in said Section 5A. This liability is also "joint and several", meaning that you are liable for all response costs incurred at a disposal site even if there are other liable parties.

The Department encourages PRPs to take prompt and appropriate actions in response to releases and threats of release of oil and/or hazardous materials. By taking the necessary response actions, you may significantly lower your assessment and cleanup costs and/or avoid liability for costs incurred by the Department in taking such actions. You may also avoid or reduce certain permit or annual compliance fees payable under 310 CMR 4.00. Please refer to M.G.L. c. 21E for a complete description of potential liability. For your convenience, a summary of liability under M.G.L. c. 21E is attached.



You should be aware that you may have claims against third parties for damages, including claims for contribution or reimbursement for the costs of cleanup. Such claims do not exist indefinitely but are governed by laws which establish the time allowed for bringing litigation. The Department encourages you to take any actions necessary to protect any such claims you may have against third parties.

Specific approval is required from the Department for the implementation of an IRA with the exception of assessment activities, the construction of a fence and/or posting of signs. As of the date of this Notice, the following IRA activities have been approved:

- Excavation and disposal of up to 100 cubic yards of contaminated soil, and
- Assessment as necessary.

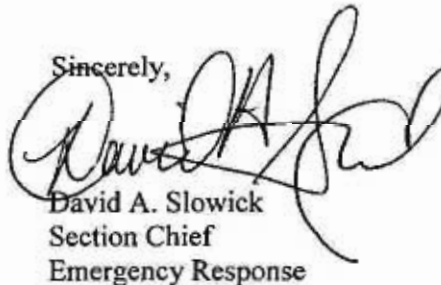
Additional submittals are necessary with regard to this notification including, but not limited to, the filing of an IRA Completion Statement and/or Response Action Outcome (RAO) statement. The MCP requires that a fee of \$1200.00 be submitted to the Department when an RAO Statement is filed greater than 120 days from the date of initial notification.

Unless otherwise provided by the Department, responsible parties have one year from the initial date notice of a release or threat of release is provided to the Department pursuant to 310 CMR 40.0300 or from the date the Department issues a Notice of Responsibility, whichever occurs earlier, to file with the Department one of the following submittals: (1) a completed Tier Classification Submittal; or (2) a RAO Statement; or (3) a Downgradient Property Status Submittal. The one-year anniversary date for this release is April 15, 2006.

It is important to note that you must dispose of any Remediation Waste generated at the subject location in accordance with 310 CMR 40.0030 including, without limitation, contaminated soil and/or debris. Any Bill of Lading accompanying such waste must bear the seal and signature of a Licensed Site Professional (LSP). You may contact the LSP Board of Registration at 617/556-1091 to obtain the current LSP list. Presently, the Department has listed Scott Vandersea of Corporate Environmental Advisors, Inc. as LSP-of-record for this release.

If you have any questions relative to this notice, you should contact Scott Smith at the above letterhead address or by telephone at 413-755-2149. All future communications regarding this release must reference the Release Tracking Number (RTN) contained in the subject block of this letter.

Sincerely,



David A. Slowick  
Section Chief  
Emergency Response

Certified Mail No. 7000 0600 0026 8857 6962

cc: Westfield  
Health Department  
Fire Department  
Mayor's Office  
Scott Vandersea, LSP-of-Record, Corporate Environmental Advisors, Inc.

Attachments to Addressee only:  
Release Notification Form; BWSC-003 and Instructions  
Summary of Liability under M.G.L. c. 21E

7000 0600 0026 8857 6962

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
BWSC-Westfield-#1-15718	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

**DEFERRED PROTECTION**  
Postmark  
APR 19 2005  
REC

Recipient's Name (Please Print Clearly) (to be completed by mailer)  
Sunoco, Inc.  
Street, Apt. No., or PO Box No.  
4 Bellows Road, PO Box 1262  
City, State, ZIP+4  
Westborough, MA 01583

PS Form 3800, February 2000 See Reverse for Instructions



#1-15718

Westfield

Sunoco

88-90 Maple Street