eDEP Transaction # 257122

August 13, 2009

Department of Environmental Protection
Bureau of Waste Site Clean-up: Western Region
436 Dwight Street
Springfield, Massachusetts 01103

RE: Tier II Classification Submittal and NRS Scoresheet
Sunoco Station
88-90 South Maple Street, Westfield, Massachusetts
NON WE-09-3A035
CEA Ref #5795-05
MADEP RTN 1-15718

To Whom It May Concern:

On behalf of Sunoco, Inc. (R&M) (Sunoco), and in accordance with the May 1, 2009 *Notice of Audit Findings/Notice of Non-compliance* (NOAF/NON) issued by the Massachusetts Department of Environmental Protection (MassDEP), Corporate Environmental Advisors, Inc. (CEA) submits this *Tier II Classification and Numerical Ranking Scoresheet (NRS)* for the above referenced site.

The following supporting documents are attached:

- Copy of the Legal Notice to be published in the Springfield Republican (**Attachment A**)
- Copies of Public Notification Letters (Board of Health, Board of Selectmen) (**Attachment B**)

Subsurface Investigation

A Class A-3 Response Action Outcome (RAO) was filed for the site in March 2008. In March 2009, MassDEP conducted an audit of the site, issuing a NOAF/NON on May 1, 2009. In May and June 2009, CEA conducted subsurface investigation which included the advancement of soil borings and Level-1 Soil Gas Monitoring Point installation and screening. Soil borings and soil gas monitoring points are located on the attached **Figure 3 – PCB Soil Boring Assessment Plan**. A summary of soil analytical results are attached as **Table 1** and **Table 2.**

On May 26, 2009, two (2) soil gas monitoring points (VP-1 and VP-2) were installed adjacent to the east and west perimeter of the Sunoco convenience store building to evaluate potential impacts to indoor air. Each soil gas monitoring point was installed to a depth of approximately 15 inches below surface grade and completed using approximately six (6) inches of 1.25-inch diameter schedule 40 PVC, 10-slot flush-joint screen and nine (9) inches of solid threaded casing. Each soil gas monitoring point was completed with a water-tight locking gripper plug set inside a protective six-inch diameter road box, set flush to grade in a concrete pad.

On May 27, 2009, a Level-1 Soil Gas Screening event was performed using the newly installed soil gas monitoring points in accordance with the Implementation of the *MADEP VPH/EPH Approach, October 31, 2002, Policy Number WSC-02-411 (MA DEP VPH/EPH Approach)*. The soil gas monitoring points were purged of approximately three liters of air prior to field screening. Soil vapor samples were then

collected from each soil gas point using one-liter, tedlar air bags and a Vacu-Tube® soil vapor sampling device. Samples were field screened for total ionizable compounds (TICs) with a MiniRAE model 2000 photoionization detector (PID). The PID was equipped with a 10.6 eV bulb calibrated to a benzene response using a known isobutylene standard. Results of the soil gas screening indicated no detectable concentrations of TICs in soil gas monitoring point VP-1, and a result of 0.1 parts per million (ppm) in soil gas monitoring point VP-2. Therefore, potential impacts to indoor air are considered unlikely.

Tier Classification Submittal

The site is classified as a Tier II Disposal Site with a score of 343 points. This Tier Classification submittal is being filed to allow additional response actions to be completed at the site to assess the nature and extent of polychlorinated biphenyls (PCB) impacts to soils. Based on results obtained thus far, PCB impacts are located in surficial and shallow soils between zero (0) and six (6) feet below grade in paved and unpaved portions of the Sunoco property. The most significant concentrations are evident from depths of zero (0) to three (3) feet below grade. Further assessment will be performed to assess "hot spot" concentrations near soil borings SB-313 and SB-315.

If you should have any questions regarding this submittal, please do not hesitate to contact the undersigned at (508) 835-8822.

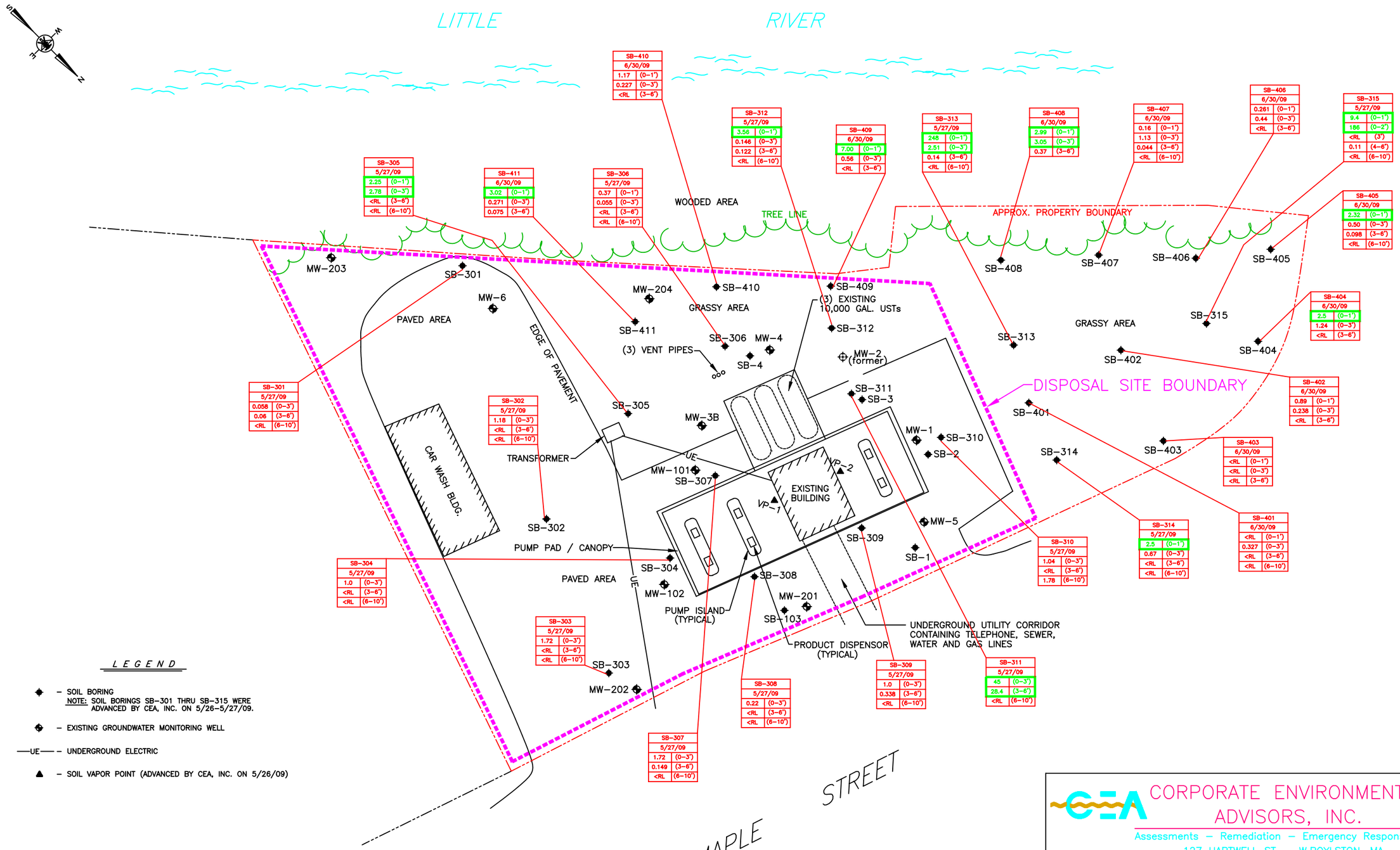
Sincerely,
CORPORATE ENVIRONMENTAL ADVISORS, INC.

Adam Guaraldi
Geologist II

Scott E. VanderSea, LSP, LEP
Principal Hydrogeologist

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

FIGURES



SB-410	
6/30/09	
1.17	(0–1')
0.227	(0–3')
<RL	(3–6')

SB-312	
5/27/09	
3.56	(0–1')
0.146	(0–3')
0.122	(3–6')
<RL	(6–10')

SB-409	
6/30/09	
7.00	(0–1')
0.56	(0–3')
<RL	(3–6')

SB-313	
5/27/09	
248	(0–1')
2.51	(0–3')
0.14	(3–6')
<RL	(6–10')

SB-408	
6/30/09	
2.99	(0–1')
3.05	(0–3')
0.37	(3–6')

SB-407	
6/30/09	
0.16	(0–1')
1.13	(0–3')
0.044	(3–6')
<RL	(6–10')

SB-406	
6/30/09	
0.261	(0–1')
0.44	(0–3')
<RL	(3–6')

SB-315	
5/27/09	
9.4	(0–1')
186	(0–2')
<RL	(3')
0.11	(4–6')
<RL	(6–10')

SB-305	
5/27/09	
2.25	(0–1')
2.78	(0–3')
<RL	(3–6')
<RL	(6–10')

SB-411	
6/30/09	
3.02	(0–1')
0.271	(0–3')
0.075	(3–6')

SB-306	
5/27/09	
0.37	(0–1')
0.055	(0–3')
<RL	(3–6')
<RL	(6–10')

SB-405	
6/30/09	
2.32	(0–1')
0.50	(0–3')
0.098	(3–6')
<RL	(6–10')

SB-404	
6/30/09	
2.5	(0–1')
1.24	(0–3')
<RL	(3–6')

SB-301	
5/27/09	
0.058	(0–3')
0.06	(3–6')
<RL	(6–10')

SB-302	
5/27/09	
1.18	(0–3')
<RL	(3–6')
<RL	(6–10')

SB-402	
6/30/09	
0.89	(0–1')
0.238	(0–3')
<RL	(3–6')

SB-403	
6/30/09	
<RL	(0–1')
<RL	(0–3')
<RL	(3–6')

SB-314	
5/27/09	
2.5	(0–1')
0.67	(0–3')
<RL	(3–6')
<RL	(6–10')

SB-401	
6/30/09	
<RL	(0–1')
0.327	(0–3')
<RL	(3–6')
<RL	(6–10')

SB-310	
5/27/09	
1.04	(0–3')
<RL	(3–6')
1.78	(6–10')

SB-304	
5/27/09	
1.0	(0–3')
<RL	(3–6')
<RL	(6–10')

SB-303	
5/27/09	
1.72	(0–3')
<RL	(3–6')
<RL	(6–10')

SB-309	
5/27/09	
1.0	(0–3')
0.338	(3–6')
<RL	(6–10')

SB-311	
5/27/09	
45	(0–3')
28.4	(3–6')
<RL	(6–10')

SB-308	
5/27/09	
0.22	(0–3')
<RL	(3–6')
<RL	(6–10')

SB-307	
5/27/09	
1.72	(0–3')
0.149	(3–6')
<RL	(6–10')

LEGEND

- ◆ – SOIL BORING
  NOTE: SOIL BORINGS SB-301 THRU SB-315 WERE ADVANCED BY CEA, INC. ON 5/26–5/27/09.
- ◆ – EXISTING GROUNDWATER MONITORING WELL
- —UE— – UNDERGROUND ELECTRIC
- ▲ – SOIL VAPOR POINT (ADVANCED BY CEA, INC. ON 5/26/09)

SB-315	– SOIL BORING ID
5/27/09	– SAMPLE DATE
9.4 (0–1')	– DEPTH OF SAMPLE (IN FEET)
186 (0–2')	
<RL (3')	
0.11 (4–6')	
<RL (6–10')	

PCB LEVEL (IN PPB) –

PCB LEVEL >2 PPM

<RL = LESS THAN LABORATORY REPORTING LIMIT

CORPORATE ENVIRONMENTAL ADVISORS, INC.
Assessments – Remediation – Emergency Response
127 HARTWELL ST. W.BOYLSTON, MA.

SCALE: AS SHOWN		DR. BY: K. HAZEL
DATE: 7/30/09	APP. BY: SEV	JOB NO.: 5795–05

PCB SOIL BORING ASSESSMENT PLAN

SUNOCO, INC.
88 SOUTH MAPLE ST. WESTFIELD, MA.

FIGURE–3

TABLES

Table 1
Summary of Soil Analytical Data - VPH and Target Analytes
Sunoco Station
88-90 South Maple Street
Westfield, Massachusetts
RTN 1-15718

Sample ID	Sample Date	Sample Depth (feet)	Screening Result (ppmv)	C5-C8 Aliphatics (mg/kg)	C9-C12 Aliphatics (mg/kg)	C9-C10 Aromatics (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	MTBE (mg/kg)
M1RC Standards S-1 / GW-2		---	---	**100**	**1,000**	**100**	**30**	**300**	**500**	**300**	**40**	**100**
M1RC Standards S-1 / GW-3		---	---	**100**	**1,000**	**100**	**30**	**500**	**500**	**300**	**500**	**100**
M1RC Standards S-3 / GW-2		---	---	**500**	**5,000**	**500**	**700**	**300**	**2,500**	**300**	**40**	**100**
M1RC Standards S-3 / GW-3		---	---	**500**	**5,000**	**500**	**900**	**1,000**	**500**	**300**	**3,000**	**500**
Upper Concentration Limits		---	---	**5,000**	**20,000**	**5,000**	**9,000**	**10,000**	**10,000**	**10,000**	**10,000**	**5,000**
Sample 1 **	4/14/2005*	2'	2	4.9	<2.4	<2.4	<0.12	0.64	0.12	0.48	<0.12	3.79
Sample 2 **	4/14/2005*	2'	100	9.7	4.3	8.4	<0.11	0.90	0.30	1.63	<0.11	2.89
Sample 3 **	4/14/2005*	2'	140	**3,410**	1,300	**1,040**	28.6	**545**	124	421	19.9	**205**
Sample 4 ***	4/14/2005*	2'	10	4.5	2.4	<2.1	<0.11	0.38	<0.11	0.39	<0.11	0.62
1 S-B-2' ***	4/27/2005	2'	104	9.63	<3.1	<3.1	<0.15	0.20	<0.15	0.17	0.17	7.35
2 S-B-2' ***	4/27/2005	2'	144	**4,790**	2,190	**2,380**	30.3	**1,050**	416	**1,454**	**40.1**	**204**
4 S-B-2' ***	4/27/2005	2'	53	8.2	<3.0	<3.0	<0.15	0.8	0.15	0.64	0.17	3.1
5 S-COMP-2' ***	4/27/2005	2'	235	4.75	<3.6	<3.6	<0.18	<0.18	<0.18	0.18	<0.18	0.21
Piping Upgrade												
Tank Field	11/16/2005	1' - 5'	--	41.7	26.6	70.6	0.16	7.52	4.19	21.2	3.62	10.5
R-7'	11/18/2005	7'	55	**1,870**	935	**1,650**	5.76	291	132	**539**	32.9	23.8
T1	11/17/2005	3'	--	8.95	3.45	9.89	0.23	0.75	0.34	1.71	0.72	0.27
T2	11/17/2005	3'	--	3.2	0.61	0.98	0.071	0.24	0.074	0.26	0.1	<0.64
T3	11/18/2005	3'	--	1.23	<0.31	0.48	<0.06	0.134	<0.06	0.16	<0.06	<0.06
T4	11/18/2005	3'	--	2.9	0.96	<0.82	<0.16	<0.16	<0.16	<0.49	<0.16	<0.16
T5	11/18/2005	3'	--	30.1	24.6	58.2	<0.11	3.47	1.92	14.36	1.83	0.53
T6	11/18/2005	3'	--	21.7	27.7	52.9	<0.17	1.24	1.1	8.2	1.05	<0.17
Piping Upgrade - Additional Sampling												
R-3'	12/19/2005	3'	--	36.9	64.4	77.9	<0.161	1.71	0.37	8.34	2.6	<0.161
RS-2'	12/19/2005	2'	--	<1.38	0.65	0.77	0.094	0.13	<0.092	<0.28	<0.092	0.12
RN-2'	12/19/2005	2'	--	1.58	1.48	1.16	<0.07	0.1	<0.07	<0.22	<0.07	<0.07
MW-101 (15')	3/28/2007	15'	--	<4.7	<2.3	<0.7	0.07	0.19	<0.023	0.058	<0.23	<0.19
MW-102 (15')	3/28/2007	15'	--	<5.6	<2.8	<0.84	<0.028	<0.028	<0.028	<0.084	<0.28	<0.22
MW-103 (15')	3/28/2007	15'	--	72	170	140	0.061	0.22	0.88	2.8	2.8	<0.2
SB-1 (14')	3/28/2007	14'	--	<5.2	2.8	1.3	0.047	0.15	0.034	0.135	<0.26	<0.021
SB-2 (14')	3/28/2007	14'	--	<4.6	<2.3	<0.69	<0.023	0.046	<0.023	<0.069	<0.23	<0.18
SB-3 (13')	3/28/2007	13'	--	<4.9	<2.5	<0.74	0.038	0.12	<0.025	<0.074	<0.25	<0.2
SB-4 (13')	3/28/2007	13'	--	<5.1	<2.6	<0.77	0.026	0.079	<0.026	<0.077	<0.26	<0.21
MW-201	6/25/2007	12-14'	3721	4.95	97.2	54.4	<0.04	<0.04	0.5	<0.8	1.59	<0.04
MW-202	6/25/2007	12-14'	2.8	<1.56	<1.56	<1.56	<0.03	<0.03	<0.03	<0.06	0.05	<0.03
MW-203	6/25/2007	10-12'	0.4	<1.39	<1.39	<1.39	<0.03	<0.03	<0.03	<0.06	<0.03	<0.03
MW-204	6/25/2007	10-12'	4.0	<1.75	<1.75	<1.75	<0.04	<0.04	<0.04	<0.08	<0.04	<0.04

Notes:
Shaded values indicate concentrations above M1RC S-1 Standards.
Bold values indicate concentrations above M1RC S-3 Standards.
* All Soil Samples taken on 4-14-2005 were not analyzed for % solids
** Soil samples taken on 4-14-2005 were excavated on 4-27-2005
*** Soil samples taken on 4-14-2005 and 4-27-2005 were excavated on 11-18-2005

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.

Table 2
Summary of Soil Analytical Data - PCBs
Sunoco Station
88-90 South Maple Street
Westfield, Massachusetts
RTN 1-15718

Sample ID	Sample Date	Sample Depth (feet)	PCB 1016 (mg/kg)	PCB 1221 (mg/kg)	PCB 1232 (mg/kg)	PCB 1242 (mg/kg)	PCB 1248 (mg/kg)	PCB 1254 (mg/kg)	PCB 1260 (mg/kg)	PCB 1262 (mg/kg)	PCB 1268 (mg/kg)	Total PCBs (mg/kg)
M1RC Standards S-1		---	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**--**
M1RC Standards S-2		---	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**--**
Upper Concentration Limits		---	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**--**
StockPile	11/17/2005	--	<0.031	<0.031	<0.031	<0.031	**2.31**	<0.031	<0.031	<0.031	<0.031	**2.31**
Tank Field	11/16/2005	3' - 5'	<0.028	<0.028	<0.028	<0.028	1.32	<0.028	0.046	<0.028	<0.028	1.366
T1	11/17/2005	3'	<0.61	<0.61	<0.61	<0.61	**31.7**	<0.61	0.35	<0.03	<0.03	**32.05**
T2	11/17/2005	3'	<0.031	<0.031	<0.031	<0.031	0.098	<0.031	0.11	<0.031	<0.031	0.208
T5	11/18/2005	3'	<0.03	<0.03	<0.03	<0.03	0.07	<0.03	0.065	<0.03	<0.03	0.135
T1-A	12/19/2005	2'	<0.03	<0.03	<0.03	<0.03	**2.97**	<0.03	<0.03	<0.03	<0.03	**2.97**
TI-B	12/19/2005	2'	<0.03	<0.03	<0.03	<0.03	**3.42**	<0.03	<0.03	<0.03	<0.03	**3.42**
T1-C	12/19/2005	2'	<0.15	<0.15	<0.15	<0.15	**8.33**	<0.03	<0.03	<0.03	<0.03	**8.33**
MW-101 (15')	3/28/2007	15'	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
MW-102 (15')	3/28/2007	15'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-103 (15')	3/28/2007	15'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-1 (14')	3/28/2007	14'	<0.035	<0.035	<0.035	<0.035	0.33	<0.035	<0.035	--	--	0.33
SB-2 (14')	3/28/2007	14'	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	--	--	<RL
SB-3 (13')	3/28/2007	13'	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
SB-4 (13')	3/28/2007	13'	<0.036	<0.036	<0.036	<0.036	0.19	<0.036	<0.036	--	--	0.19
MW-201 (12-14')	6/25/2007	12-14'	<0.036	<0.056	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
MW-202 (12-14')	6/25/2007	12-14'	<0.036	<0.057	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
MW-203 (10-12')	6/25/2007	10-12'	<0.034	<0.053	<0.034	<0.034	<0.034	<0.034	<0.034	--	--	<RL
MW-204 (10-12')	6/25/2007	10-12'	<0.036	<0.057	<0.036	<0.036	<0.036	**9.6**	<0.0.36	--	--	**9.6**
SB-301 (0-3')	**5/27/2009**	**0-3'**	**<0.035**	**<0.035**	**<0.035**	**<0.035**	**0.058**	**<0.035**	**<0.035**	--	--	**0.058**
SB-301 (3-6')	5/27/2009	3-6'	<0.036	<0.036	<0.036	<0.036	0.06	<0.036	<0.036	--	--	0.06
SB-301 (6-10')	5/27/2009	6-10'	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	--	--	<RL
SB-302 (0-3')	5/27/2009	0-3'	<0.073	<0.073	<0.073	<0.073	0.77	0.41	<0.073	--	--	1.18
SB-302 (3-6')	5/27/2009	3-6'	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
SB-302 (6-10')	5/27/2009	6-10'	<0.046	<0.046	<0.046	<0.046	<0.046	<0.046	<0.046	--	--	<RL
SB-303 (0-3')	5/27/2009	0-3'	<0.18	<0.18	<0.18	<0.18	1.2	0.52	<0.18	--	--	1.72
SB-303 (3-6')	5/27/2009	3-6'	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	--	--	<RL
SB-303 (6-10')	5/27/2009	6-10'	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	--	--	<RL
SB-304 (0-3')	5/26/2009	0-3'	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	1	--	--	1
SB-304 (3-6')	5/26/2009	3-6'	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
SB-304 (6-10')	5/27/2009	6-10'	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	--	--	<RL
SB-305 (0-1')	5/27/2009	0-1'	<0.18	<0.18	<0.18	<0.18	1.6	0.65	<0.18	--	--	**2.25**
SB-305 (0-3')	5/27/2009	0-3'	<0.034	<0.034	<0.034	<0.034	**2.1**	0.68	<0.034	--	--	**2.78**
SB-305 (3-6')	5/27/2009	3-6'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-305 (6-10')	5/27/2009	6-10'	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	--	--	<RL

Table 2
Summary of Soil Analytical Data - PCBs
Sunoco Station
88-90 South Maple Street
Westfield, Massachusetts
RTN 1-15718

Sample ID	Sample Date	Sample Depth (feet)	PCB 1016 (mg/kg)	PCB 1221 (mg/kg)	PCB 1232 (mg/kg)	PCB 1242 (mg/kg)	PCB 1248 (mg/kg)	PCB 1254 (mg/kg)	PCB 1260 (mg/kg)	PCB 1262 (mg/kg)	PCB 1268 (mg/kg)	Total PCBs (mg/kg)
M1RC Standards S-1		---	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**--**
M1RC Standards S-2		---	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**--**
SB-306 (0-1')	5/27/2009	0-1'	<0.038	<0.038	<0.038	<0.038	0.26	0.11	<0.038	--	--	0.37
SB-306 (0-3')	5/27/2009	0-3'	<0.038	<0.038	<0.038	<0.038	0.055	<0.038	<0.038	--	--	0.055
SB-306 (3-6')	5/27/2009	3-6'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-306 (6-10')	5/27/2009	6-10'	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	--	--	<RL
SB-307 (0-3')	5/27/2009	0-3'	<0.18	<0.18	<0.18	<0.18	1.2	0.52	<0.18	--	--	1.72
SB-307 (3-6')	5/27/2009	3-6'	<0.035	<0.035	<0.035	<0.035	0.096	0.053	<0.035	--	--	0.149
SB-307 (6-10')	5/27/2009	6-10'	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
SB-308 (0-3')	5/26/2009	0-3'	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	0.22	--	--	0.22
SB-308 (3-6')	5/27/2009	3-6'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-308 (6-10')	5/27/2009	6-10'	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	--	--	<RL
SB-309 (0-3')	5/26/2009	0-3'	<0.072	<0.072	<0.072	<0.072	0.64	0.36	<0.072	--	--	1
SB-309 (3-6')	5/26/2009	3-6'	<0.038	<0.038	<0.038	<0.038	0.24	0.098	<0.038	--	--	0.338
SB-309 (6-10')	5/27/2009	6-10'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-310 (0-3')	5/26/2009	0-3'	<0.069	<0.069	<0.069	<0.069	0.77	0.27	<0.069	--	--	1.04
SB-310 (3-6')	5/26/2009	3-6'	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	<0.035	--	--	<RL
SB-310 (6-10')	5/27/2009	6-10'	<0.1	<0.1	<0.1	<0.1	1.2	0.58	<0.1	--	--	1.78
SB-311 (0-3')	5/26/2009	0-3'	<3.5	<3.5	<3.5	<3.5	**32**	**13**	<3.5	--	--	**45**
SB-311 (3-6')	5/26/2009	3-6'	<1.8	<1.8	<1.8	<1.8	**21**	**7.4**	<1.8	--	--	**28.4**
SB-311 (6-10')	5/27/2009	6-10'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-312 (0-1')	5/27/2009	0-1'	<0.18	<0.18	<0.18	<0.18	**2.6**	0.96	<0.18			**3.56**
SB-312 (0-3')	5/27/2009	0-3'	<0.037	<0.037	<0.037	<0.037	0.089	0.057	<0.037	--	--	0.146
SB-312 (3-6')	5/27/2009	3-6'	<0.037	<0.037	<0.037	<0.037	0.08	0.042	<0.037	--	--	0.122
SB-312 (6-10')	5/27/2009	6-10'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-313 (0-1')	5/27/2009	0-1'	<3.7	<3.7	<3.7	<3.7	**200**	**48**	<3.7			**248**
SB-313 (0-3')	5/27/2009	0-3'	<0.072	<0.072	<0.072	<0.072	1.9	0.61	<0.072	--	--	**2.51**
SB-313 (3-6')	5/27/2009	3-6'	<0.037	<0.037	<0.037	<0.037	0.14	<0.037	<0.037	--	--	0.14
SB-313 (6-10')	5/27/2009	6-10'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-314 (0-1')	5/27/2009	0-1'	<0.11	<0.11	<0.11	<0.11	1.3	1.2	<0.11	--	--	**2.5**
SB-314 (0-3')	5/27/2009	0-3'	<0.037	<0.037	<0.037	<0.037	0.3	0.37	<0.037	--	--	0.67
SB-314 (3-6')	5/27/2009	3-6'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-314 (6-10')	5/27/2009	6-10'	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
SB-315 (0-1')	5/27/2009	0-1'	<1.1	<1.1	<1.1	<1.1	**6.6**	**2.8**	<1.1	--	--	**9.4**
SB-315 (0-2')	5/27/2009	0-2'	<3.7	<3.7	<3.7	<3.7	**140**	**46**	<3.7	--	--	**186**
SB-315 (3')	5/27/2009	3'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-315 (4-6')	5/27/2009	4-6'	<0.037	<0.037	<0.037	<0.037	0.11	<0.037	<0.037	--	--	0.11
SB-315 (6-10')	5/27/2009	6-10'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL

Table 2
Summary of Soil Analytical Data - PCBs
Sunoco Station
88-90 South Maple Street
Westfield, Massachusetts
RTN 1-15718

Sample ID	Sample Date	Sample Depth (feet)	PCB 1016 (mg/kg)	PCB 1221 (mg/kg)	PCB 1232 (mg/kg)	PCB 1242 (mg/kg)	PCB 1248 (mg/kg)	PCB 1254 (mg/kg)	PCB 1260 (mg/kg)	PCB 1262 (mg/kg)	PCB 1268 (mg/kg)	Total PCBs (mg/kg)
M1RC Standards S-1		---	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**--**
M1RC Standards S-2		---	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**2**	**--**
SB-401 (0-1')	6/30/2009	0-1'	<0.04	<0.04	<0.04	<0.04	0.41	0.16	<0.04	--	--	<RL
SB-401 (0-3')	6/30/2009	0-3'	<0.038	<0.038	<0.038	<0.038	0.23	0.097	<0.038	--	--	0.327
SB-401 (3-6')	6/30/2009	3-6'	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
SB-401 (6-10')	6/30/2009	6-10'	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	<0.038	--	--	<RL
SB-402 (0-1')	6/30/2009	0-1'	<0.043	<0.043	<0.043	<0.043	0.6	0.29	<0.043	--	--	0.89
SB-402 (0-3')	6/30/2009	0-3'	<0.038	<0.038	<0.038	<0.038	0.16	0.078	<0.038	--	--	0.238
SB-402 (3-6')	6/30/2009	3-6'	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
SB-403 (0-1')	6/30/2009	0-1'	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	--	--	<RL
SB-403 (0-3')	6/30/2009	0-3'	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	--	--	<RL
SB-403 (3-6')	6/30/2009	3-6'	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	<0.041	--	--	<RL
SB-404 (0-1')	6/30/2009	0-1'	<0.2	<0.2	<0.2	<0.2	1.5	1	<0.2	--	--	**2.5**
SB-404 (0-3')	6/30/2009	0-3'	<0.041	<0.041	<0.041	<0.041	0.71	0.53	<0.041	--	--	1.24
SB-404 (3-6')	6/30/2009	3-6'	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
SB-405 (0-1')	6/30/2009	0-1'	<0.08	<0.08	<0.08	<0.08	1.6	0.72	<0.08	--	--	**2.32**
SB-405 (0-3')	6/30/2009	0-3'	<0.039	<0.039	<0.039	<0.039	0.33	0.17	<0.039	--	--	0.5
SB-405 (3-6')	6/30/2009	3-6'	<0.046	<0.046	<0.046	<0.046	<0.046	0.098	<0.046	--	--	0.098
SB-405 (6-10')	6/30/2009	6-10'	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	--	--	<RL
SB-406 (0-1')	6/30/2009	0-1'	<0.04	<0.04	<0.04	<0.04	0.17	0.091	<0.04	--	--	0.261
SB-406 (0-3')	6/30/2009	0-3'	<0.037	<0.037	<0.037	<0.037	0.26	0.18	<0.037	--	--	0.44
SB-406 (4.5-6')	6/30/2009	4.5-6'	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	--	--	<RL
SB-407 (0-1')	6/30/2009	0-1'	<0.038	<0.038	<0.038	<0.038	0.096	0.064	<0.038	--	--	0.16
SB-407 (0-3')	6/30/2009	0-3'	<0.18	<0.18	<0.18	<0.18	0.7	0.43	<0.18	--	--	1.13
SB-407 (3-6')	6/30/2009	3-6'	<0.036	<0.036	<0.036	<0.036	0.044	<0.036	<0.036	--	--	0.044
SB-407 (6-10')	6/30/2009	6-10'	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	<0.034	--	--	<RL
SB-408 (0-1')	**6/30/2009**	**0-1'**	**<0.2**	**<0.2**	**<0.2**	**<0.2**	**2.1**	**0.89**	**<0.2**	**--**	**--**	**2.99**
SB-408 (0-3')	6/30/2009	0-3'	<0.19	<0.19	<0.19	<0.19	**2.2**	0.85	<0.19	--	--	**3.05**
SB-408 (3-6')	6/30/2009	3-6'	<0.034	<0.034	<0.034	<0.034	0.27	0.1	<0.034	--	--	0.37
SB-409 (0-1')	6/30/2009	0-1'	<0.19	<0.19	<0.19	<0.19	**5.6**	1.4	<0.19	--	--	**7**
SB-409 (0-3')	6/30/2009	0-3'	<0.036	<0.036	<0.036	<0.036	0.36	0.2	<0.036	--	--	0.56
SB-409 (3-6')	6/30/2009	3-6'	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	<0.037	--	--	<RL
SB-410 (0-1')	6/30/2009	0-1'	<0.18	<0.18	<0.18	<0.18	0.83	0.34	<0.18	--	--	1.17
SB-410 (0-3')	6/30/2009	0-3'	<0.035	<0.035	<0.035	<0.035	0.16	0.067	<0.035	--	--	0.227
SB-410 (3-6')	6/30/2009	3-6'	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	<0.036	--	--	<RL
SB-411 (0-1')	6/30/2009	0-1'	<0.19	<0.19	<0.19	<0.19	**2.1**	0.92	<0.19	--	--	**3.02**
SB-411 (0-3')	6/30/2009	0-3'	<0.035	<0.035	<0.035	<0.035	0.19	0.081	<0.035	--	--	0.271
SB-411 (3-6')	6/30/2009	3-6'	<0.036	<0.036	<0.036	<0.036	0.075	<0.036	<0.036	--	--	0.075

Notes:

Bold values indicate concentrations above M1RC S-3 Standards.

Shaded values indicate concentrations above M1RC S-1 Standards.

-- = Not Analyzed

SB-103 (15') is the same as MW-103 (15')

Table 3
Summary of Groundwater Analytical Data - VPH and Target Analytes
Sunoco Station
88-90 South Maple Street
Westfield, Massachusetts
RTN 1-15718

Well ID	Sample Date	C5-C8 Aliphatics (ug/l)	C9-C12 Aliphatics (ug/l)	C9-C10 Aromatics (ug/l)	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Naphthalene (ug/l)	MTBE (ug/l)
M1RC Standards GW-2		**1,000**	**1,000**	**5,000**	**2,000**	**8,000**	**30,000**	**9,000**	**1,000**	**50,000**
M1RC Standards GW-3		**4,000**	**20,000**	**4,000**	**10,000**	**4,000**	**4,000**	**500**	**20,000**	**50,000**
RCGW-2		**1,000**	**1,000**	**4,000**	**2,000**	**4,000**	**4,000**	**6,000**	**1,000**	**50,000**
MW-1	08/01/05	<75	<25	<25	<5	<5	<5	<15	5	<5
	02/07/06	<50	<50	<50	<2	<2	<2	<2	<3	<2
	08/22/06	<50	<50	<50	<2	<2	<2	<2	<3	<2
	05/08/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
	07/12/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
	10/10/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
MW-3B	02/07/06	**2,920**	**1,070**	2,520	252	2,060	676	2,238	95.4	2,320
	03/06/06	**2,100**	478	4,880	77.2	536	585	1,166	103	637
	05/08/07	616	**2,012**	2,000	9.5	6.5	32.0	256	68	18
MW-4	08/01/05	<75	<25	<25	<5	<5	<5	<15	<5	<5
MW-5	08/01/05	<75	<25	<25	<5	<5	<5	<15	<5	<5
	02/07/06	<50	<50	<50	<2	<2	<2	<2	<3	<2
	08/22/06	<50	<50	<50	<2	<2	<2	<2	<3	<2
	05/08/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
	07/12/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
	10/10/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
MW-6	08/01/05	<150	<50	<50	<10	<5	<5	<15	<5	1,570
	02/07/06	<50	<50	<50	446	12.3	<2	9.5	6.7	22,900
	08/22/06	<250	<250	<250	41	<10	<10	<10	<15	7,890
	05/08/07	**3,095**	<100	<30	3.2	1.4	<1	<3	<10	2,700
	07/12/07	<200	<100	<30	<1	<1	<1	<3	<10	1,800
	10/10/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
MW-101	05/08/07	<200	<100	<30	<1	<1	1.2	<3	<10	<8
	07/12/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
	10/10/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
MW-102	05/08/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
	07/12/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
	10/10/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
MW-201	07/12/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
	10/10/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
MW-202	07/12/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
	10/10/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
MW-204	07/12/07	<200	<100	<30	<1	<1	<1	<3	<10	<8
	10/10/07	<200	<100	<30	<1	<1	<1	<3	<10	<8

Notes:

N/A = Not Applicable and/or Not Analyzed
ND = Not detected above laboratory method detection limits.
Bold = Concentration greater than GW-2 Standards
Shaded = Concentration greater than GW-3 Standards

ATTACHMENT A
LEGAL NOTICE DOCUMENTATION

NOTICE OF
TIER II CLASSIFICATION

Sunoco Inc. (R&M)
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., (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.

ATTACHMENT B
PUBLIC NOTIFICATION DOCUMENTATION

CORPORATE ENVIRONMENTAL ADVISORS, INC.

Consultants | Engineers | Contractors

August 13, 2009

City of Westfield
Mayor's Office
59 Court Street
Westfield, MA 01085-4352

Re: Tier II Classification Submittal
Sunoco Station, 88-90 South Maple Street
Westfield, MA (DUNS: 0374-5593)
NON WE-09-3A035
MADEP RTN: 1-15718
File No. 5795-05

To Whom It May Concern:

Pursuant to the provisions of the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000, this letter serves as official notification that a Tier II Classification Submittal for the above referenced site, prepared by Corporate Environmental Advisors, Inc. (CEA) on behalf of Sunoco, Inc. (R&M) [Sunoco], was filed with the Massachusetts Department of Environmental Protection (MADEP).

A copy of the Tier II Submittal may be obtained and/or viewed at the MADEP Western Regional Office located at 436 Dwight Street in Springfield, Massachusetts. A copy of the attached Legal Notice to be published in the Springfield Republican newspaper is also attached.

If you should have any questions regarding this submittal or would like to obtain a copy of said documents, please do not hesitate to contact the undersigned at (508) 835-8822.

Sincerely,
Corporate Environmental Advisors, Inc.

Adam Guaraldi
Geologist II

Scott B. VanderSea, LSP
Principal Hydrogeologist

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

ADDRESS Hartwell Business Park
127 Hartwell Street, West Boylston, MA 01583
TEL 508.835.8822 . 800.358.7960
FAX 508.835.8812
WEB www.cea-inc.com

NOTICE OF
TIER II CLASSIFICATION

Sunoco Inc. (R&M)
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., (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.

CORPORATE ENVIRONMENTAL ADVISORS, INC.

Consultants | Engineers | Contractors

August 13, 2009

City of Westfield
Board of Health
59 Court Street
Westfield, MA 01085-4352

Re: Tier II Classification Submittal
Sunoco Station, 88-90 South Maple Street
Westfield, MA (DUNS: 0374-5593)
NON WE-09-3A035
MADEP RTN: 1-15718
File No. 5795-05

To Whom It May Concern:

Pursuant to the provisions of the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000, this letter serves as official notification that a Tier II Classification Submittal for the above referenced property, prepared by Corporate Environmental Advisors, Inc. (CEA) on behalf of Sunoco, Inc. (R&M) (Sunoco), was filed with the Massachusetts Department of Environmental Protection (MADEP).

A copy of the Tier II Submittal may be obtained and/or viewed at the MADEP Western Regional Office located at 436 Dwight Street in Springfield, Massachusetts. A copy of the attached Legal Notice to be published in the Springfield Republican newspaper is also attached.

If you should have any questions regarding this submittal or would like to obtain a copy of said documents, please do not hesitate to contact the undersigned at (508) 835-8822.

Sincerely,
Corporate Environmental Advisors, Inc.

Adam Guaraldi
Geologist II

Scott E. VanderSea, LSP
Principal Hydrogeologist

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

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NOTICE OF
TIER II CLASSIFICATION

Sunoco Inc. (R&M)
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., (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.