Massachusetts Department of Environmental Protection       BWSC107A         Bureau of Waste Site Cleanup       Release Tracking Number         NUMERICAL RANKING SYSTEM (NRS) SCORESHEET       1         Pursuant to 310 CMR 40.1511 (Subpart O)       1								
A. NRS SCORESHEET SUMMARY SECTION:								
1. Classification Submittal: (check one) 📃 a. Initial NRS Score 🖌 b. Revised NRS Score								
2. Disposal Site Score:								
II	Ш	IV	V	VI	Total			
145	58	25	115	0	343			
3. Disposal Site Classifica	tion: (check one	)						
a. Tier IA	o. Tier IB	c. Tier IC	d. Tier II					
B. DISPOSAL SITE INFOR	MATION (NRS SE	CTION I):						
1. UTM Coordinates:	. UTM N: <b>53132</b>	2 <b>49</b> b.	UTM E: <b>30178</b>	0				
2. Check which, if any, of t	he Tier I inclusior	nary criteria are m	et by the Disposa	Site, pursuant to	310 CMR 40.052	20(2):		
<ul> <li>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.</li> <li>b. An Imminent Hazard is present at the time of Tier Classification.</li> </ul>								
C. EXPOSURE PATHWAY	S (NRS SECTION	II):						
1. Exposure Pathways, an	d Oil and Hazardo	ous Material (OHN	A) Sources:					
For A. through D., score a For E., score using NRS T		CMR 40.1512 - Ex	posure Pathway I	Designation Criter	ria and NRS Table	e II.		
,				Score				
	A. Soil (includ	les sediment)	10	00				
	B. Groundwat	er	20	)				
	C. Surface Wa	ater (includes we	tlands) 0					
	D. Air		0					
	E. Number of	OHM Sources	2	5				
	Total NRS See	ction II Score (15	- 700)	45				
2. Was Section G (NRS Section G)	ection VI) used to	amend the score	for this Section o	f the NRS?	📄 a. Yes 🖌	b. No		



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3. Summary Rationale for Exposure Pathway Values, A. through D., and Phase I Report References:

PCB CONCENTRATIONS WERE IDENTIFIED WITHIN THE TOP 1 FOOT OF SURFACE SOIL ABOVE RCS-1 REPORTABLE CONCENTRATIONS FOR SOIL IN AN UNPAVED, VACANT AND UNDEVELOPED PARCEL ABUTTING THE GASOLINE STATION. VOLATILE PETROLEUM HYDROCARBONS (VPH) WAS DETECTED IN GROUNDWATER AT CONCENTRATIONS ABOVE APPLICABLE METHOD 1 RISK CHARACTERIZATION STANDARDS IN 2007. PCBS WERE NOT DETECTED IN SOIL SAMPLES COLLECTED NEAR THE GROUNDWATER TABLE. LEVEL 1 SOIL GAS SURVEY PERFORMED IN 2009 CONFIRMS THAT NO INDOOR AIR PATHWAY EXISTS. NO DETECTABLE CONCENTRATIONS OF GASOLINE-RELATED COMPOUNDS (VPH) ARE DETECTED IN DOWNGRADIENT MONITORING WELLS, THEREFORE, NO IMPACTS TO SURFACE WATER ARE LIKELY.

### 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)
POLYCHLORINATED BIPHENYLS	SOIL	30
C5-C8 ALIPHATICS(VPH)	SOIL	25
C9-C10 AROMATICS(VPH)	SOIL	25
XYLENES	SOIL	10

b. Score using NRS Worksheet III.A.1. to determine the OHM Toxicity Score for OHM not listed in NRS Table III.A.:

ОНМ	Human Health-based Toxicity Value	Concentration (Soil - ug/g)	Concentration (Water - ug/I)	Toxicity Score

c. Use the Highest OHM Toxicity Score from either NRS Table III.A. or Worksheet III.A.1.:

OHM Scored	Toxicity Score
POLYCHLORINATED BIPHENYLS	30

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2. Multiple OHMs (NRS Section III.B.):									
Was the Toxicity Score of more that	n one OHM	great	er than o	r equal t	o 30?		a. Yes (	30) 🖌 b.	No (0)
3. OHM Mobility and Persistence (NRS S	Section III.C	.):							
Score according to 310 CMR 40.15	514 - OHM N	/lobility	y and Pe	rsistenc	е				
a. OHM Sco	ored			b. S	core	(0 - 50)			
POLYCHLORINATED BIPHEN	NYLS			20					
4. Disposal Site Hydrogeology (NRS Section III.D.): Score according to 310 CMR 40.1515 - Soil Permeability, and NRS Table III.D.									
5. Total NRS Section III Score:	Α.	B		C.	C	).		or Section III	
	30	0	20		8		(,	3 - 180) 58	
6. Was Section G (NRS Section VI) use E. HUMAN POPULATION AND LAND US				his Sect	ion ol	f the NR	S?	a. Yes	🖌 b. No
1. Human Population (NRS Section IV.A	): R		ntial Pop		Т	Institu		On-site	Population
Score using NRS Table IV.A.		wi	thin 1/2 M	Aile within 500 Feet				Workers 5	Score (0 - 40)
2. Aquifers (NRS Section IV.B.):			10			U		5	
a. Sole Source Aquifer:	i. Yes (25)	ii.	Name:					<b>/</b> iii	. No (0)
b. Potentially Productive Aquifer:	i.	Medi	um or Hi	gh (15)		🖌 ii.	No (0)		
3. Water Use (NRS Section IV.C.):	Proximity		Person		-		te Water	Alternate Pub	
	Public Drink Water Sour			c Drinkiı er Suppl	-		pplies 500 Feet	Water Suppl Available	y Use Score (0 -125)
	0	]	-	10		0		0	10
4. Total NRS Section IV Score:	А.		В.		C.		Total fo	r Section IV	
	15		0	10		0	(0 - 205)		
5. Was Section G (NRS Section VI) used to amend the score for this Section of the NRS?									

Ì	N		
	,	Z	2
	-	11	3

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Area of Critic Environment Concern	al Threatene	Special Concern, d or Endangered ies Habitat	Po	nds, Certi ol, or Outs Resource	tanding		Fish Habitat	Protected Open Space	Res	Environmental Resource Area Score (0 - 150)	
0		30		20	]		20	20		90	
Score only if	Environmental F	IRS Section V.B.): esource Area Score ironmental Toxicity	-		-		).				
	Oł	IM Scored				Cor	centration	n and Media	Т	oxicity (0 - 3	
POLYCHLORI	NATED BIPHE	NYLS			24	48 N	IG/KG IN	SOIL		25	
C5-C8 ALIPHA	TICS				18	870	MG/KG II	N SOIL		15	
C9-C10 AROM	ATICS				10	650	MG/KG II	N SOIL		15	
See 310 CMF	2 40.1516 for Env	vironmental Toxicity	Values	for each O Environ Toxicity	nental		oncentratio Soil - ug/g				onmenta ity Score
										L	
c. Use the Hi	ghest Environme	ntal Toxicity Score f	rom eit	her NRS T	able V.E	3. or	from Work	sheet V.B.1.:		L	
c. Use the Hi	ghest Environme	ntal Toxicity Score f		her NRS T	able V.E	3. or		sheet V.B.1.:			
c. Use the Hi		-	ored	her NRS T	able V.E	3. or					



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#### 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.

THERE ARE NO SITE-SPECIFIC CONDITIONS THAT WARRANT AMENDING THE SITE SCORE.

2. Check here if additional pages are provided in an attachment.

Total Score Section VI					
0					