

Lead RTN:		Site Concerns	Admin/Tech Adequacy	Preliminary actions	Phase I	Tier Classification	Total
4-26230							

Submittal	Received	Screened	Flags	TSNOAF
Phase I	7/28/2017	8/15/2017	N	N

Auditor
Jan Niemiec

Release	Petroleum - #2 fuel oil from AST
Site Use	vacant
Town	Weymouth
Site Name	Bridge Street
Address	6 and 50 Bridge Street
PRP	Algonquin Gas & Transmission, Terrance W. Doyle
LSP	Kelley Race, LSP # 3180
Consultant	TRC Environmental Corporation

	IRA	RAM	URAM	Phase 1	T-Class
Plan				x	x
Modification					
Status					
Monitoring					
Completion					

Disclaimer: This checklist is for use by DEP in reviewing Preliminary Response Action (PRA) Statements, 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 310CMR 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.

Related RTNs	
--------------	--

Comments

I. SITE CONCERNS (Based upon conditions at time of PRA submittal)				
A. Indoor Air (Based upon conditions at time of submittal)				
	Yes	No	?	Pg#
1. <input checked="" type="checkbox"/> Applicable GW-2 standard exceeded @ residence/school with no soil gas/indoor air sampling		x		30
2. <input checked="" type="checkbox"/> Site contaminants impacting indoor air		x		
B. Groundwater/Drinking Water (Based upon conditions at time of submittal)				
	Yes	No	?	Pg#
1. <input checked="" type="checkbox"/> More than 0.5" NAPL observed in any monitoring well	x			
2. Site within potential drinking water source area (PDWSA)		x		
3. Site located within IWPA/mapped Zone II		x		
4. Private/Non-municipal public well(s) (TNC, NTNC) located within 500 feet of site		x		
5. Municipal well(s) located within 1000 feet of site		x		
6. <input checked="" type="checkbox"/> Private well contaminated as a result of site		x		
7. <input checked="" type="checkbox"/> Public water supply contaminated as a result of site		x		
8. SRM Condition and no groundwater controls		x		
C. Soil (Based upon conditions at time of submittal)				
	Yes	No	?	Pg#
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)		x		
D. Environmental Concerns				
	Yes	No	?	Pg#
1. Site within 500 feet of surface water and/or wetlands		x		31
2. Endangered species habitat, ACEC and/or certified vernal pool within 500 feet		x		
3. Confirmed contamination of surface water, sediments and/or wetlands with site contaminants		x		
4. SRM condition		x		
E. Site & Area Use (Choose all that apply)				
	Yes	No	?	Pg#
1. School/Institution/Playground		x		
2. Residential	x			
F. Released OHM (Primary Contaminant Type(s))				
	Yes	No	?	Pg#
1. Petroleum Fuel Oils (#2, #4, #6, Jet fuel, kerosene, lube oil, MODF, etc.)	x			
2. Gasoline, waste oil		x		
3. Metals, coal tar, PCBs, pesticides/herbicides, asbestos, PAHs, cyanide		x		
4. Chlorinated solvents or other organic compounds		x		
G. Site Complexity (Check all that apply)				
	Yes	No	?	Pg#
1. Co-mingled plumes (i.e., different sources from one or more sites co-mingled)		x		
2. Bedrock contamination		x		
If 0 conditions currently exist, see supervisor to discuss.				

RTN: _____

TOWN: _____

DATE: _____

II. ADMINISTRATIVE ADEQUACY:						Yes	No	?	NA	Pg #	Citati
A. Regulatory Deadlines											
1. Notification Made On Time	Date:	<input type="text"/>	x								40.0300
2. Phase I/TC within 1 yr of notification; Effective Date/Tier		<input type="text"/>	x								40.0406
3. Phase II submitted within 3 years of Tier Classification Date								x			40.0560(2)(b)
4. Phase III submitted with 4 years of Tier Classification Date								x			40.0560(2)(c)
5. Phase IV submitted within 4 years of Tier Classification Date								x			40.0560(2)(d)
6. P/TS submitted within 5 years of Tier Classification Date								x			40.0560(2)(e)
7. Tier II Extension: submitted/ # of Extensions		<input type="text"/>						x			40.0560(7)
8. For IRAs, submittal deadlines have been met: Plan within 60 days.								x			40.0404(2)
9. For IRAs, 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 IRA activities, Remedial Monitoring Report monthly for IH/SRM or every 6 months for non-IH/SRM								x			40.0425(1), (2), (7)
10. For RAMs, submittal deadlines have been met: Status Report within 120 days and every 6 months from approval or receipt of Plan, Remedial Monitoring Report every 6 months.								x			40.0404(2)
11. For RAMs, submittal deadlines have been met: Completion Report within 60 days following completion of RAM activities,								x			40.0446(1)
12. For URAMs, submittal deadlines have been met (Letter of Intent within 7 days)								x			40.0404(2)
13. For URAMs, submittal deadlines have been met (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)								x			40.0465(1)(5)
III. TECHNICAL ADEQUACY:						Yes	No	?	NA	Pg #	
A. Response Action Type											
1. Assessment Only			x								40.0332
2. Innovative Technology								x			
3. Soil Excavation	Volume	<input type="text"/>						x			
a. Recycle									x		
b. Landfill									x		
c. Reuse									x		

RTN: _____

TOWN: _____

DATE: _____

d. Treat/Stabilize					x		
4. Cap/Cover/Engineered Barrier					x		
a. Ph III was completed before a cap/engineered barrier was proposed or constructed as part of a Permanent Solution					x		40.0414(7)
5. Construction of Building in Contaminated Area					x		
6 Groundwater Treatment					x		
a. Pump & Treat					x		
b. Removal (Vacuum)					x		
c. Free Product Recovery					x		
d. Bioremediation: Application within 50' surface water/100' private well/800' public well or within 100 ft of a school, daycare, child care, or occupied residential dwelling.					x		40.0046(3)
7. Venting/Sub Slab Depressurization System					x		
8. Soil Vapor Extraction/Air Sparging					x		
9. Chemical Oxidation					x		
a. Application within 50' surface water/100' private well/800' public well							40.0046(3)
B. Description of Response Actions – Indication That:							
1.a Plan/Status Report/Completion Report is adequate/complete (IRA/RAM)					x		40.0420
1.b Plan/Status Report/Completion Report is adequate/complete (URAM)					x		40.0460
2.a IRA Response actions taken were in accordance with MassDEP approvals (i.e., special conditions, Interim deadlines, etc.)					x		40.0404(1)
2.b RAM/URAM Response actions taken were in accordance with MassDEP approvals (i.e., special conditions, Interim deadlines, etc.)					x		40.0443(3)
3. Response actions proposed or taken demonstrate the level of diligence necessary, consider relevant policies, methods or practices, or have been technically justified	x						40.0191
4. Monitoring of response actions is adequate (soil, groundwater, air, dust, etc.)	x						40.0405(2)
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	x						40.0017
6. System shutdown/operational problems					x		40.0027

IV. Preliminary Response Action Type						Yes	No	?	NA	Pg#	Citation(s)
A. Immediate Response Actions (required for 2/72-hr release) – Indication That:											
1. Release/TOR has been adequately assessed or additional assessment is planned	x										40.0405
2. An Imminent Hazard condition has been eliminated/controlled					x						40.0427
3. A condition of Substantial Release Migration has been mitigated					x				27		40.0414
4. An Imminent Hazard condition has been assessed	x								28		40.0414(3)&(4)
5. . Excavation and stockpiling of >100 cyds (cum.) UST-related oil- or waste oil- contaminated soil before notification		x									40.0421(3)
B. Release Abatement Measures – Indication That:											
1. Off-site disposal of > 500 cubic yards (cumulative) of OHM-contaminated soil					x						40.0442(2)(a)
2. On or off-site treatment, recycling, or reuse of > 1500 cubic yards (cum.) of OHM contaminated soil					x						40.0442(2)(b)
3. Certification of sufficient financial resources if excavation of >1500 cyds (cum.) OHM contaminated soil					x						40.0442(5)
4. RAM was initiated within one year of receipt of RAM Plan					x						40.0443(5)
5. RAM fee paid, if prior to Tier Classification/PTS					x						40.0444(2)
C. Utility-related Abatement Measures – Indication That:											
1. During emergency repair, notification provided within 72-hours of conducting URAM					x						40.0462(3)
2. A 2-hour or 72-hour reporting condition likely exists					x						40.0461(3)
3. Excavation of >100 cyds (cum) oil- or waste oil-contaminated soil (LSP required)					x						40.0462(4)(a)
4. Excavation of >20 cyds (cum.) haz. mat.-contaminated soil or mix (LSP required)					x						40.0462(4)(b)
5. Temporary relocation of soil is returned to site or otherwise managed within 14 days					x						40.0462(6)
6. Reasonable attempt made to notify property owner, except during non-business-hour emergency repairs					x						40.462(7)

V. Phase I – Initial Site Investigation – Information Regarding:						Yes	No	?	NA	Pg#	Citation(s)
A. General site information including:											
1. Address and Geographical Location (Street, Lat./Long. and UTM Coordinates)	x										40.0483(1)(a)(2)
2. Disposal Site Locus Map with 500 foot and ½ mile radii	x										40.0483(1)(a)(3)
3. Estimated number of workers on-site	x										40.0483(1)(a)(4)
4. Estimated residential population within ½ mile	x										40.0483(1)(a)(5)
5. General description of land uses surrounding the disposal site	x										40.0483(1)(a)(6)
6. Number of Institutions within 500 feet	x										40.0483(1)(a)(7)
7. Natural Resources within 500 feet (surface waters, wetlands, drinking water supplies, ACECs, etc.)	x										40.0483(1)(a)(8)
B. Disposal Site Map, including:											
	Yes	No	?	NA	Pg#						
1. Disposal Site Boundaries	x										40.0483(1)(b)(1)
2. Property boundaries located within the disposal site boundaries	x										40.0483(1)(b)(2)
3. On-site buildings									x		40.0483(1)(b)(3)(a)
4. Floor and storm drains									x		40.0483(1)(b)(3)(b)
5. Subsurface utilities									x		40.0483(1)(b)(3)(c)
6. OHM storage and disposal structures									x		40.0483(1)(b)(3)(d)
7. Location of known OHM releases	x										40.0483(1)(b)(3)(e)
8. Monitoring wells, borings, test pits, and other relevant screening and/or sampling points	x									68	40.0483(1)(b)(3)(f)
C. Disposal Site History, including:											
	Yes	No	?	NA	Pg#						
1. Owner/Operator and Operations History	x										40.0483(1)(c)(1)
2. Release History (source and locations, cause, approx. date and duration, type of OHM, volume, etc.)	x										40.0483(1)(c)(2)
3. OHM Use and Storage History (type, chemical name, uses, quantities, periods, storage locations)	x										40.0483(1)(c)(3)
4. Waste Management History (land disposal, subsurface, surface water, WWTP, etc.)									x		40.0483(1)(c)(4)
5. Environmental Permits and Compliance History (21E, OHM, WW, GW, Air, RCRA, NPDES permits)									x		40.0483(1)(c)(5)
6. Potentially Responsible Parties (names and addresses of all PRPs)	x										40.0483(1)(c)(6)

D. Site Hydrogeological Characteristics, including:						Yes	No	?	NA	Pg#	
1. Concise description of all subsurface investigations and assessments to date						x					40.0483(1)(d)(1)
2. Documentation of boring advancement, well construction and development, including drilling logs						x					40.0483(1)(d)(2)
3. Characterization of general site topography (slope, bedrock outcrops, surface drainage features)						x					40.0483(1)(d)(3)
4. Characterization of geologic and stratigraphic conditions						x					40.0483(1)(d)(4)
5. Description and graphical depiction of groundwater flow direction including monitoring well locations						x					40.0483(1)(d)(5)
E. Nature and Extent of Contamination, including:						Yes	No	?	NA	Pg#	
1. Evidence of releases (visual, olfactory, field screening, lab analysis, historical knowledge)						x					40.0483(1)(e)(1)
2. Names, concentrations, and volumes of released OHM						x					40.0483(1)(e)(2)
3. Laboratory data sheets						x					40.0483(1)(e)(3)
4. Details on approximate horizontal and vertical extent						x					40.0483(1)(e)(4)
5. Details on presence and thickness of non-aqueous phase liquids						x					40.0483(1)(e)(5)
F. Migration Pathways and Exposure Potential, including						Yes	No	?	NA	Pg#	
1. Description and evaluation of known and potential migration by air, soil, groundwater, surface water						x					40.0483(1)(f)(1)
2. Description of known and potential human exposure by inhalation, dermal contact, or ingestion of OHM						x					40.0483(1)(f)(2)
3. Description of known and potential impacts to environmental receptors, especially ACECs, etc.						x					40.0483(1)(f)(3)
G. Evaluation of the need for Immediate Response Actions						Yes	No	?	NA	Pg#	
1. Evaluated the need for Immediate Response Actions						x					40.0483(1)(g)
H. Conclusions						Yes	No	?	NA	Pg#	
1. Presented a summary of findings and a statement of conclusions						x					40.0483(1)(h)
I. Technical Justification for omission of any of the above categories						Yes	No	?	NA	Pg#	
1. Presented technical justification for omission of any of the above categories						x					40.0483(2)

VI. Tier Classification – Numerical Ranking System:	Yes	No	?	NA	Pg#	Citation(s)
1. A Phase I Report (or equivalent) was prepared in accordance with 40.0480	x					40.0510(1)(a)
2. Tier I Criteria (Zone II, IWPA, GW > RCGW-1) are present at the site		x				40.0520(2)(a)
3. The site is Tier I as a result of an Imminent Hazard		x				40.0520(2)(b)
4. Risk Reduction measures resulted in a lower Tier Classification		x				40.0520(1)(c)
5. The site Classification was correct; or the site was correctly reclassified after Tier 1 Criteria were eliminated.	x					40.0520(3)
6. DEP review raised the original classification		x				40.0530(1), (2)