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Lead RTN: 1-21489						
SUBMITTAL TYPE (Circle):	Release Notification Type (circle one)	Date Pf	RA Ro	vd _	01_/_2	8_/_23_
IRA RAM URAM	2-Hour 72-Hour <mark>120-Days</mark>	Date So	creene	ed C	1 / 31	/ 23
_		Date of	0,00,10		/_0	
Plan Status Completion	Release description (OHM, Source, Media	Related	d RTN	s:		
Report Statement	Affected): Historical UST, VPH, soil, groundwater					
Modification Phase I T-Class	Tilstorical 031, VFTI, Soil, groundwater					
	Site Use: Former residential and DOD FUD					
	Site future Town Library					
Town: Shutesbury	Site Name: Lot O32, B9					
Address: 66 Leverett Road	LSP Name/No.: Timothy Clinton #	2082				
PRP/OP: Town of Shutesbury	Consulting Firm: Fuss & O Neil					
Check all that apply I	pased on site conditions present at time of PRA	A submi	ittal			
I. SITE CONCERNS			Yes	No	?	Page #
A. Indoor Air						
	g residence/school with no soil gas/indoor air sam	pling		<u> </u>	<u> </u>	
2. Site contaminants impacting indoor air						
 B. Drinking Water / Groundwater 1. □ > ½ inch NAPL present in monitoring well(s) at property with residence/daycare/school 				_		
2. Site within PDWSA, IWPA, or Zone II					<u> </u>	
3. Private or non-municipal (TNC, NTNC) p	while wall(a) legated within 500 feet of site				<u> </u>	
4. Municipal well(s) located within 1000 fee				<u> </u>		
Private well contaminated as a result of site				=		
6. Public water supply contaminated as a result of site						
7. SRM condition in groundwater with no control of plume migration						
C. Soil Within 500 Feet of Residence/School/Playground/Park				_		
	g/kg) in soil < 1 foot deep: arsenic (40), cadmium	(60),				
hexavalent chromium (200), cyanide (100), mercury (300), methyl mercury (10), or PCBs (10)						
D. Environmental Concerns						
Site located within 500 feet of surface was						
	ed species habitat, ACEC, and/or certified vernal p					
3. Confirmed contamination of surface water, sediments, and/or wetlands with site contaminants		ants				
E. Site & Area Use					_	
1. School (pre-K through high school)/Dayo	care/Recreation Area			<u> </u>	<u> </u>	
2. Residential				<u> </u>	<u> </u>	
3. Commercial/Industrial						
F. Released OHM – Primary Contaminar	• • • • • • • • • • • • • • • • • • • •					
1. Petroleum Fuel Oils (#2, #4, #6, Jet fuel	, kerosene, lube oli, MODF, etc.)			<u> </u>		
2. Gasoline, waste oil				<u> </u>	<u> </u>	
3. Metals, coal tar, PCBs, pesticides/herbicides, asbestos, PAHs, cyanide						
4. Chlorinated solvents or other organic co G. Site Complexity	mpounds					
Co-mingled plumes (i.e., different source	es from one or more sites co-mindled)					
Bedrock contamination	on the more sites ou-miligiou)		- -			

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NOTE: If \triangleright conditions currently exist, see supervisor to discuss.

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II. ADMINISTRATIVE ADEQUACY	Citations	Yes	No	?	NA	Page
A. Regulatory Deadlines						
1. Notification made on time Date:1/28/22	40.0300					
2. Phase I & TClass recvd w/in 1 yr of notification. Effective Date: 1/28/23 Tier: 1	40.0404(3), 40.0406(1)					
3. All IRA submittal deadlines have been met (Plan within 60 days, Status reports within 120 days and every 6 months thereafter, Remedial Monitoring Report monthly for IH/SRM or every 6 months for non-IH/SRM, Completion Report within 60 days following completion of IRA activities)	40.0404(2), 40.0420(7), 40.0425(1),(2)&(7), 40.0427(2)					
4. All RAM submittal deadlines have been met (Status Report within 120 days and every 6 months thereafter, Remedial Monitoring Report every 6 months, Completion Report within 60 days following completion of RAM activities)	40.0404(2), 40.0445(1)&(5), 40.0446(1)					
5. All URAM submittal deadlines have been met (Letter of Intent within 7 days of notification, Status Report within 120 days and every 6 months thereafter, Remedial Monitoring Report for active OMM every 6 months, Completion Report within 60 days following completion of URAM activities)	40.0404(2), 40.0462, 40.0465(1)(5), 40.0466(1)					
III. TECHNICAL ADEQUACY						
A. Response Action Type	40.0414, 40.0442					
Assessment only	40.0405(1)&(2), 40.0414(1)					
2. Innovative Technology						
3. Soil excavation Volume: [cu. yds.] [tons]						
a. Recycled						
b. Landfill disposal						
c. Re-used						
d. Treated/stabilized						
4. Cap or Engineered Barrier constructed i/a/w 40.0996(5)	40.0414(7), 40.0442(4)					
5. Construction of building in contaminated area	40.0442(3)					
6. Groundwater treatment						
a. Pump & Treat						
b. Removal (Vacuum)						
c. NAPL recovery						
d. Bioremediation						
 i. Department approval received for application w/in (distance in feet): surface water (50); private well (100); school, daycare, child care, or occupied residential dwelling (100); public well (800) 	40.0046(3)					
7. Venting/Sub-slab depressurization system						
8. Soil vapor extraction / air sparging						
9. Chemical oxidation						
 a. Department approval received for application w/in (in feet): surface water (50); private well (100); public well (800) 	40.0046(3)					

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B. Description of Response Actions – Indication That:		Yes	No	?	N/A	Page
Plan/Status Report/Completion Report is adequate/complete	40.0420, 40.0440, 40.0460					
2. Response actions taken were in accordance with MassDEP approvals (i.e., special	40.0404(1), 40.0420(2), 40.0443(3),					
conditions, Interim Deadlines, etc.)	40.0463(2)					
3. 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					
4. Monitoring of response actions is adequate (soil, groundwater, air, dust, etc.)	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	40.0017					
6. System shutdown or other operational problems adequately documented/addressed	40.0027(2)					
C. Remediation Waste – Indication That:						
Remediation waste has been managed appropriately	40.0030, 40.0442(a)&(b)					
Water/air discharges are within discharge limitations	40.0040, 40.0442(2)(c)&(d)					
IV. Preliminary Response Action Type						
A. Immediate Response Actions (required for 2/72-hr release) – Indication That:						
Release/TOR/IH has been adequately assessed or additional assessment is planned	40.0405, 40.0414, 40.0427(1)(c)					
An Imminent Hazard condition has been eliminated/controlled	40.0411(1)(a), 40.0427					
Substantial Release Migration or Critical Exposure Pathway conditions has been mitigated	40.0414					
4. Critical Exposure Pathway has been eliminated and/or mitigated	40.0414(3)&(4),40.0427(1)(c)					
Excavation and stockpiling of >100 cu. yds. (cum.) of UST-related oil- or waste oil- contaminated soil before notification	40.0421(3)					
B. Release Abatement Measures – Indication That:						
Note and the state of a stat	40.0442(2)(a)					
On- or off-site treatment, recycling, or reuse of > 1500 cu. yds. (cum.) of OHM-contaminated soil	40.0442(2)(b)					
Certification of sufficient financial resources for excavation of > 1500 cu. yds. (cum.) of OHM-contaminated soil was provided	40.0442(5)					
4. RAM was initiated within one year of Department's receipt of RAM Plan	40.0443(5)					
5. Fee paid for RAM Plan submitted prior to Tier Classification or PTS	40.0444(2)					
C. Utility-related Abatement Measures – Indication That:						
During emergency repair, notification provided within 72 hours of conducting URAM	40.0462(3)					
2. URAM initiated/continued if 2-hour or 72-hour reporting condition likely exists	40.0461(3)					
3. Excavation of > 100 cu. yds. (cum) oil- or waste oil-contaminated soil (LSP required)	40.0462(4)(a)&(5)					
4. Excavation of > 20 cu. yds. (cum.) hazmat-contaminated soil or mix (LSP required)	40.0462(4)(b)&(5)					
Temporarily relocated Remediation Waste is returned to site or otherwise managed within 14 days of removal	40.0462(6)					

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6. Reasonable attempts made to notify property owner of contamination and proposed	40.462(7)			
response actions, unless emergency repairs were needed during non-business-				
hours				

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V. Phase I – Initial Site Investigation – Information Regarding:		Yes	No	?	N/A	Page
A. General Disposal Site Information, including:						J
Address(es) and geographical location (street, lat./long. and UTM coordinates)	40.0483(1)(a)2					
2. Disposal Site Locus Map with 500 foot and ½ mile radii	40.0483(1)(a)3					
Estimated number of on-site workers	40.0483(1)(a)4					
4. Estimated residential population within ½ mile radius of disposal site	40.0483(1)(a)5					
5. General description of land uses in the surrounding area	40.0483(1)(a)6					
6. Number of Institutions within 500 feet	40.0483(1)(a)7					
7. Natural resources within 500 feet (surface waters, wetlands, drinking water supplies, ACECs, etc.)	40.0483(1)(a)8					
B. Disposal Site Map, including:						
Disposal site boundaries, to the extent that they have been defined	40.0483(1)(b)1					
Boundaries of properties located within the disposal site	40.0483(1)(b)2					
3. On-site buildings	40.0483(1)(b)3.a					
4. Floor and storm drains	40.0483(1)(b)3.b					
Subsurface utilities serving/transecting the disposal site	40.0483(1)(b)3.c					
6. OHM storage and disposal structures and/or areas	40.0483(1)(b)3.d					
7. Location of known OHM releases or TOR	40.0483(1)(b)3.e					
8. Monitoring wells, borings, test pits, and other screening and sampling points	40.0483(1)(b)3.f					
C. Disposal Site History, including:						
Owner/operator and operations history	40.0483(1)(c)1					
2. Release history (source and locations, cause, approx. date and duration, type of OHM, volume, etc.)	40.0483(1)(c)2					
3. OHM use and storage history (type, chemical name, uses, quantities, periods of use, storage locations, etc.)	40.0483(1)(c)3					
4. Waste management history (land disposal, subsurface, surface water, WWTP, etc.)	40.0483(1)(c)4					
5. Environmental permits and compliance history (21E, OHM, WW, GW, Air, RCRA, NPDES permits)	40.0483(1)(c)5					
6. Names/addresses of all Potentially Responsible Parties	40.0483(1)(c)6					
D. Site Hydrogeological Characteristics, including:						
Concise description of all subsurface investigations/assessments conducted to date	40.0483(1)(d)1					
Documentation of boring advancement, well construction and development, including drilling logs	40.0483(1)(d)2					
Characterization of general site topography (slope, bedrock outcrops, surface drainage features)	40.0483(1)(d)3					
Characterization of geologic and stratigraphic conditions	40.0483(1)(d)4					

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5. Description and graphical depiction of groundwater flow direction including	40.0483(1)(d)5			
monitoring well locations				

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E. Nature and Extent of Contamination, including:		Yes	No	?	NA	Page
Evidence of OHM releases (visual, olfactory, field screening, lab analysis, historical knowledge)	40.0483(1)(e)1					
2. Names, concentrations, and volumes of all released OHM	40.0483(1)(e)2					
Laboratory data sheets	40.0483(1)(e)3					
4. Information/details on approximate horizontal and vertical extent of contamination	40.0483(1)(e)4					
5. Information/details on the approximate stability and extent of NAPL, if present	40.0483(1)(e)5					
F. Migration Pathways and Exposure Potential, including						
1. Evidence of and potential for OHM migration by air, soil, groundwater, surface water, soil gas, etc.	40.0483(1)(f)1					
Discussion of known and potential human exposure to OHM by inhalation, dermal contact, or ingestion of OHM	40.0483(1)(f)2					
Discussion of known and potential impacts to environmental receptors, especially ACECs or other protected species habitats	40.0483(1)(f)3					
G. Need for IRA, Conclusions, and Technical Justification						
The need to conduct an IRA was evaluated	40.0483(1)(g)					
2. A summary of investigation findings and a conclusions statement were included	40.0483(1)(h)					
3. Technical justification for omission of any of the above requirements was provided	40.0193, 40.0483(2)					
VI. Tier Classification:						
1. A Phase I Report (or equivalent) was prepared in accordance with 40.0480	40.0510(1)(a)					
Tier I Criteria for groundwater are met: plume with OHM concentrations > RCGW-1 is present within Zone II, IWPA, or 500 ft of private well	40.0520(2)(a)					
3. Site classified as Tier I because an Imminent Hazard is present	40.0520(2)(b)					
4. Risk reduction measures were completed prior to Tier Classification	40.0520(1)(c)					
5. A former Tier I site was correctly reclassified because Tier I Criteria no longer apply	40.0520(3), 40.0530					
6. Site was classified or reclassified by the Department	40.0583(1)					