

Commonwealth of Massachusetts
 Executive Office of Energy and Environmental Affairs
 Massachusetts Environmental Policy Act (MEPA) Office

Environmental Notification Form

For Office Use Only

EEA#: 15797

MEPA Analyst: Purvi Patel

The information requested on this form must be completed in order to submit a document electronically for review under the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Brownfield Redevelopment – Former Revere Copper Site		
Street Address: 197 Water Street		
Municipality: Plymouth	Watershed: Plymouth Harbor	
Universal Transverse Mercator Coordinates:	Latitude: 41.964026° N Longitude: -70.668826° W	
Estimated commencement date: 2018	Estimated completion date: 2019	
Project Type: Brownfield Redevelopment/Shoreline Protection	Status of project design: 75%complete	
Proponent: Town of Plymouth		
Street Address: 11 Lincoln St		
Municipality: Plymouth	State: MA	Zip Code: 02360
Name of Contact Person: Jeff Oakes		
Firm/Agency: CLE Engineering, Inc.	Street Address: 15 Creek Road	
Municipality: Marion	State: MA	Zip Code: 02738
Phone: 508-748-0937	Fax: 508-748-1363	E-mail: JOakes@CLEngineering.com

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No

If this is an Expanded Environmental Notification Form (ENF) (see 301 CMR 11.05(7)) or a Notice of Project Change (NPC), are you requesting:

- a Single EIR? (see 301 CMR 11.06(8)) Yes No
- a Special Review Procedure? (see 301CMR 11.09) Yes No
- a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
- a Phase I Waiver? (see 301 CMR 11.11) Yes No

(Note: Greenhouse Gas Emissions analysis must be included in the Expanded ENF.)

Which MEPA review threshold(s) does the project meet or exceed (see 301 CMR 11.03)?
11.03(3)(b)(e): New fill or structure or Expansion of existing fill or structure, except a pile-supported structure, in a velocity zone or regulatory floodway.

Which State Agency Permits will the project require?
DEP Waterways License

12/11/11
Pen. Patel

Identify any financial assistance or land transfer from an Agency of the Commonwealth, including the Agency name and the amount of funding or land area in acres: **None**

Summary of Project Size & Environmental Impacts	Existing	Change	Total
LAND			
Total site acreage	1.16± Acres	0	1.16± Acres
New acres of land altered	0	0	0
Acres of impervious area	0.71	-0.04	0.67
Square feet of new bordering vegetated wetlands alteration	0	0	0
Square feet of new other wetland alteration	Coastal Beach: 2,820 s.f.	Coastal Beach: +4,080 s.f.	Coastal Beach: 6,900 s.f.
Acres of new non-water dependent use of tidelands or waterways		0	
STRUCTURES			
Gross square footage	0	0	0
Number of housing units	0	0	0
Maximum height (feet)	N/A	N/A	N/A
TRANSPORTATION			
Vehicle trips per day		0	
Parking spaces	88	-1	87
WASTEWATER			
Water Use (Gallons per day)	N/A	N/A	N/A
Water withdrawal (GPD)	N/A	N/A	N/A
Wastewater generation/treatment (GPD)	N/A	N/A	N/A
Length of water mains (miles)	N/A	N/A	N/A
Length of sewer mains (miles)	N/A	N/A	N/A
Has this project been filed with MEPA before? <input type="checkbox"/> Yes (EEA # _____) <input checked="" type="checkbox"/> No			
Has any project on this site been filed with MEPA before? <input type="checkbox"/> Yes (EEA # _____) <input checked="" type="checkbox"/> No			

GENERAL PROJECT INFORMATION – all proponents must fill out this section

PROJECT DESCRIPTION:

Describe the existing conditions and land uses on the project site:

The project is located on a 1.16-acre site on Water Street along Plymouth Harbor, approximately one-half mile north of Plymouth Rock, in Plymouth, Massachusetts, and is commonly known as the Former Revere Copper site (the Site). In the early 1900s, waste from the Revere Copper Plant (located across Water Street) containing high concentrations of metals was used to fill the Site. The Site is currently used as a municipal parking lot and includes a paved walking path providing a connection to waterfront restaurants and shopping areas. (See Exhibit A)

The waste has been contained beneath the paved parking lot and behind a 3 to 4-foot stone revetment separating the waste material from the beach/harbor which is beginning to fail. Under Massachusetts regulations, the site currently is managed under a temporary solution with the implementation of an AUL for the regulated waste, and is revisited every five years until a permanent solution is feasible.

Describe the proposed project and its programmatic and physical elements:

The primary purpose of the project is to install an engineered barrier in order to achieve a Permanent Solution under the Massachusetts Contingency Plan (MCP) with an Activities and Use Limitations (AUL), which limits the current and future use of the Site.

A vertical engineered barrier will be installed behind a reconstructed stone revetment along the beach in order to contain the waste and prevent migration of the material to the beach and harbor. The revetment will be reconstructed to meet proper slope and bedding and construction standards for coastal engineering structures. The existing parking lot pavement will be removed, underground utilities will be removed where feasible, and a horizontal engineered barrier with maker barrier will be installed above the waste material. In accordance with MassDEP requirements, clean material will be installed above the engineered barrier providing adequate separation to both impervious paved surfaces as well as proposed landscaped areas. The parking lot will be repaved and the sidewalks will be reconstructed maintaining the pedestrian connectivity. The existing storm water management infrastructure that is contained within the waste deposit that conveys stormwater runoff into the harbor next to the beach. The redesigned stormwater management system will limit the exposure of stormwater runoff to the waste material and will provide improved water quality treatment where little currently exists. The project is further defined in the attached Project Narrative.

NOTE: *The project description should summarize both the project's direct and indirect impacts (including construction period impacts) in terms of their magnitude, geographic extent, duration and frequency, and reversibility, as applicable. It should also discuss the infrastructure requirements of the project and the capacity of the municipal and/or regional infrastructure to sustain these requirements into the future.*

Describe the on-site project alternatives (and alternative off-site locations, if applicable), considered by the proponent, including at least one feasible alternative that is allowed under current zoning, and the reasons(s) that they were not selected as the preferred alternative:

A number of project alternatives were presented in the EPA Brownfields Grant Application and are described in the attached Project Narrative.

NOTE: *The purpose of the alternatives analysis is to consider what effect changing the parameters and/or siting of a project, or components thereof, will have on the environment, keeping in mind that the objective of the MEPA review process is to avoid or minimize damage to the environment to the greatest extent feasible. Examples of alternative projects include alternative site locations,*

alternative site uses, and alternative site configurations.

Summarize the mitigation measures proposed to offset the impacts of the preferred alternative:

- *The toe of the proposed wall will be moved more landward than the existing wall, creating additional beach that will provide shoreline protection.*
- *The loose stone revetment on the beach will be removed to create additional beach that will provide shoreline protection.*
- *The existing invasive species (*Phragmites australis*) will be removed from the toe of the existing revetment to prevent its spread and to create additional beach that will provide shoreline protection.*
- *All work will be performed within the Time of Year (TOY) windows established by regulatory agencies in order to avoid/minimize impacts to resource areas, fisheries and/or wildlife species.*
- *Silt fencing and/or haybales will be placed as needed to contain any sediment containing run-off that may occur during the reconstruction of the parking lot and revetment.*
- *The Contractor shall adhere to all permit requirements and conditions.*

If the project is proposed to be constructed in phases, please describe each phase:

N/A

AREAS OF CRITICAL ENVIRONMENTAL CONCERN:

Is the project within or adjacent to an Area of Critical Environmental Concern?

- Yes (Specify _____)
 No

If yes, does the ACEC have an approved Resource Management Plan? ___ Yes ___ No;

If yes, describe how the project complies with this plan.

Will there be stormwater runoff or discharge to the designated ACEC? ___ Yes ___ No;

If yes, describe and assess the potential impacts of such stormwater runoff/discharge to the designated ACEC.

RARE SPECIES:

Does the project site include Estimated and/or Priority Habitat of State-Listed Rare Species? (see http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/priority_habitat/priority_habitat_home.htm)

- Yes (Specify _____) No

HISTORICAL /ARCHAEOLOGICAL RESOURCES:

Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

- Yes (Specify _____) No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources? Yes (Specify _____) No

WATER RESOURCES:

Is there an Outstanding Resource Water (ORW) on or within a half-mile radius of the project site? ___ Yes X No;

if yes, identify the ORW and its location. _____

(NOTE: Outstanding Resource Waters include Class A public water supplies, their tributaries, and bordering wetlands; active and inactive reservoirs approved by MassDEP; certain waters within Areas of Critical Environmental Concern, and certified vernal pools. Outstanding resource waters are listed in the Surface Water Quality Standards, 314 CMR 4.00.)

Are there any impaired water bodies on or within a half-mile radius of the project site? ___ Yes X No; if yes, identify the water body and pollutant(s) causing the impairment: _____

Is the project within a medium or high stress basin, as established by the Massachusetts Water Resources Commission? ___ Yes X No

STORMWATER MANAGEMENT:

Generally describe the project's stormwater impacts and measures that the project will take to comply with the standards found in MassDEP's Stormwater Management Regulations:
Stormwater runoff from the majority of the parking lot is collected by existing catch basins and conveyed to the culverted Cold Spring Brook located on the adjacent property to the north prior to discharging to Plymouth Harbor. A tide gate is located on the culverted Cold Spring Brook immediately upstream of the existing drainage connection from the site's drainage system. A small portion of the parking lot drains to the south and is collected by a catch basin and conveyed through the adjacent property to Plymouth Harbor. The Stormwater Management Plan for the Project will include new water quality and quantity controls designed to protect surface and groundwater resources and adjacent properties from potential impacts due to the proposed Project and will be designed in accordance with the MassDEP Stormwater Management standards for redevelopment. In the proposed condition, approximately 58% of the Site will be impervious, which is a 3% reduction, and the remainder of the Site will consist of landscaped and beach areas. As part of the overall stormwater management system design, both structural and non-structural water quality control measures and Low-Impact Development (LID) techniques will be evaluated and incorporated into the design where appropriate and feasible. Under proposed conditions, stormwater runoff from parking areas and driveways will be directed to new water quality controls which will capture and treat stormwater prior to discharging to the existing drainage culvert that connects to the culverted Cold Spring Brook. The current design includes a proposed biofiltration basin that will treat stormwater through the filter media and includes an impervious barrier and underdrain that will minimize the potential for stormwater mixing with the waste material. Existing drainage patterns will be maintained in the proposed design and through the reduction in impervious areas, existing peak rates of runoff and stormwater volumes are reduced.

MASSACHUSETTS CONTINGENCY PLAN:

Has the project site been, or is it currently being, regulated under M.G.L.c.21E or the Massachusetts Contingency Plan? Yes X No ___; if yes, please describe the current status of the site (including Release Tracking Number (RTN), cleanup phase, and Response Action Outcome classification): RTN: 4-770, TEMPORARY SOLUTION

Is there an Activity and Use Limitation (AUL) on any portion of the project site? Yes X No ___;
if yes, describe which portion of the site and how the project will be consistent with the AUL: The AUL is on approximately 57% of the site area. this project aims at improving the current AUL upon completion of the construction. all soil disturbing activities will be conducted under the direction of a Licensed Site Professional.

Are you aware of any Reportable Conditions at the property that have not yet been assigned an RTN? Yes ___ No X; if yes, please describe: _____

SOLID AND HAZARDOUS WASTE:

If the project will generate solid waste during demolition or construction, describe alternatives considered for re-use, recycling, and disposal of, e.g., asphalt, brick, concrete, gypsum, metal, wood: *On-site reuse*

options will be considered first. The contractor will be responsible for proper off-site recycling of material not used on-site. Disposal at a licensed facility will be used for all other solid waste

(NOTE: Asphalt pavement, brick, concrete and metal are banned from disposal at Massachusetts landfills and waste combustion facilities and wood is banned from disposal at Massachusetts landfills. See 310 CMR 19.017 for the complete list of banned materials.)

Will your project disturb asbestos containing materials? Yes ___ No X ;
if yes, please consult state asbestos requirements at <http://mass.gov/MassDEP/air/asbhom01.htm>

Describe anti-idling and other measures to limit emissions from construction equipment: *The unnecessary operation of the engine of a motor vehicle for more than five minutes will not be permitted unless engine assisted power is necessary.*

DESIGNATED WILD AND SCENIC RIVER:

Is this project site located wholly or partially within a defined river corridor of a federally designated Wild and Scenic River or a state designated Scenic River? Yes ___ No X ;
if yes, specify name of river and designation:

If yes, does the project have the potential to impact any of the "outstandingly remarkable" resources of a federally Wild and Scenic River or the stated purpose of a state designated Scenic River? Yes ___ No X ; if yes, specify name of river and designation: _____;

if yes, will the project will result in any impacts to any of the designated "outstandingly remarkable" resources of the Wild and Scenic River or the stated purposes of a Scenic River.

Yes ___ No ___ ;

if yes, describe the potential impacts to one or more of the "outstandingly remarkable" resources or stated purposes and mitigation measures proposed.

ATTACHMENTS:

1. List of all attachments to this document.
2. U.S.G.S. map (good quality color copy, 8-½ x 11 inches or larger, at a scale of 1:24,000) indicating the project location and boundaries.
- 3.. Plan, at an appropriate scale, of existing conditions on the project site and its immediate environs, showing all known structures, roadways and parking lots, railroad rights-of-way, wetlands and water bodies, wooded areas, farmland, steep slopes, public open spaces, and major utilities.
- 4 Plan, at an appropriate scale, depicting environmental constraints on or adjacent to the project site such as Priority and/or Estimated Habitat of state-listed rare species, Areas of Critical Environmental Concern, Chapter 91 jurisdictional areas, Article 97 lands, wetland resource area delineations, water supply protection areas, and historic resources and/or districts.
5. Plan, at an appropriate scale, of proposed conditions upon completion of project (if construction of the project is proposed to be phased, there should be a site plan showing conditions upon the completion of each phase).
6. List of all agencies and persons to whom the proponent circulated the ENF, in accordance with 301 CMR 11.16(2).
7. List of municipal and federal permits and reviews required by the project, as applicable.