

MassDEP/BWSC Superfund Program

By

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Truth from a fortune cookie.

We treat the world like
we have a spare in the
trunk!

Reasons why there is a Superfund



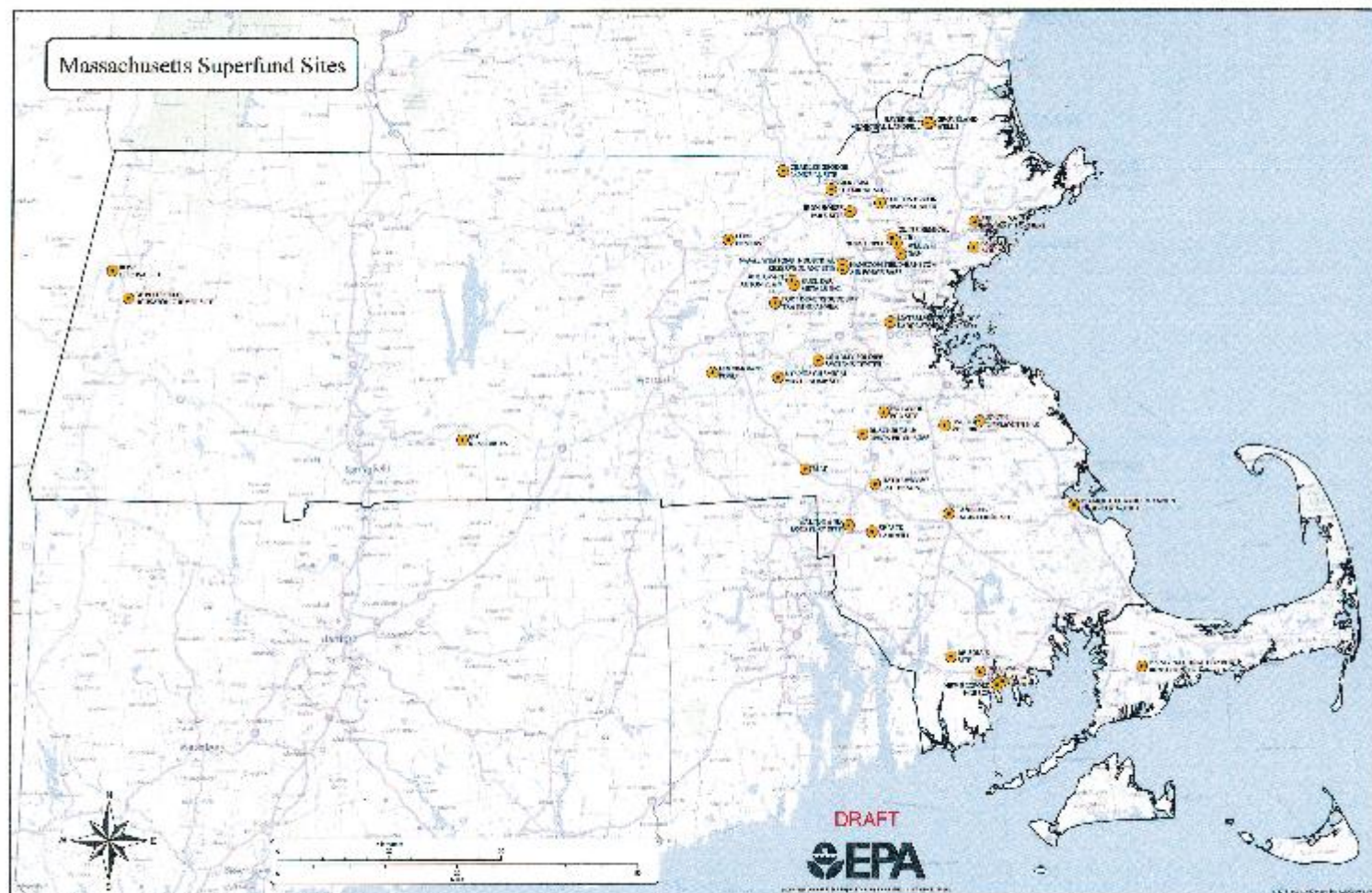


Picture 2 Lagoon Area with blue Soil



AUG
1990





Program Components

- New Sites – Pre-Remedial
- NPL Sites Listed
- NPL Sites – EPA Remedial Actions
- NPL O&M – State Obligations
- NPL Delisting
- RCRA Corrective Actions
- EPA Removals
- Federal Facilities
- Brownfields

New Sites – Pre-Remedial

- EPA tracks sites for possible listing onto the National Priorities List – Superfund
- EPA has almost about 53,000 sites nationally
- About 46,000 sites are on EPA's Active Site Inventory
- There are 1,782 NPL Superfund Site
- Massachusetts has 39 Superfund Sites

New Sites – Pre-Remedial

- MassDEP assists EPA by:
 - Site Discovery - recommending new sites
 - Preliminary Assessment
 - Site Inspection
 - Hazard Ranking System Scoring
 - NPL Listing
 - Site Removal from EPA's Active List

Superfund Remedial Phase

- Remedial Investigation - RI
- Feasibility Study - FS
- Record of Decision - ROD
- Remedial Design - RD
- Remedial Action - RS
- Operation and Maintenance – O&M
- Site Delisting

MassDEP Involvement

Fund Lead

- MassDEP is required to pay
 - 10 % of RA Costs
 - 100 % of the O&M Costs
- EPA pays 100% of the RI, FS, and RD; 90% RA
- EPA has regulatory oversight and MassDEP has review and comment
- Institutional Controls – Grants and NAULs

PRP Lead

- PRP pays 100% including oversight
- EPA has regulatory oversight and MassDEP has review and comment
- Institutional Controls – Grants and NAULs

Currently

- 20 PRP funded Sites
- 8 Federal Facilities DOD/DOE Funded
- 8 Fund Lead Sites
- 3 PRP funding search

MassDEP Involvement

- RI, FS, and Proposed Plan
 - Provide review and comments
 - Provide ARARs – State regulations
- ROD, ROD Amendments, and ESDs – Provide a Concurrence Letter
- RD and RA - Provide review and comments
- Operational and Functional – Provide review and comments
- O&M – Performs for Fund Lead Sites

MassDEP Enforcement Involvement

- Consent Decrees

- with Mass Attorney General, if as co-Plaintiff

- Institutional Controls

- Grants, where MassDEP is the Grantee
 - Notice AULs, if for federal Sites under the MCP typically with EPA notice and/or participation

MassDEP Involvement

- NPL Delisting – Provide a Concurrence Letter
- RCRA Corrective Actions
- EPA Removals – Proposes sites for Removal Actions, identify ARARs, and provide coordination
- Federal Facilities – Similar to PRP lead sites
- Brownfields – Obtains EPA grants to provide for site assessments and cleanups

Status	Non-Federal Facility Superfund Sites
Remedial Investigation (RI)	Microfab, BJAT, Creese & Cook, Olin Chemical, Walton & Lonsbury
Remedial Action (RA)	Blackburn & Union, Haverhill LF, Industri-Plex, Iron Horse Park, New Bedford Harbor, Nuclear Metals, Wells G&H
O&M	Atlas Tack, Cannons Bridgewater, Charles George LF, Hathaway & Patterson, Hocomonco Pond, Norwood PCBs, Nyanza Chemical Dump, PSC Resources, Resolve, Sutton Brook, WR Grace
O&M with Water Treatment	Baird & McGuire, Groveland Wells, Rose Disposal Pit, Silresim, Sullivan's Ledge, W. R. Grace - Acton
Delisted	Cannons Plymouth Harbor, Salem Acres, Shpack, Hathaway & Patterson

Federal Facility Superfund Sites

- Army Materials Testing Labs - Delisted
- Hanscom AFB - Active facility require O&M
- MMR/Otis AFB - Active facility
- Natick Labs - Active facility ,completed remedy
- Naval Weapons Ind. Reserve Plant - Multiple Operative Units various phases
- South Weymouth Naval Air Base - Redevelopment
- Sudbury Annex – Ft. Devens - Delisted
- Ft. Devens – Redevelopment, remaining challenge Shepley's Hill Landfill

What has been done by MassDEP?

- Manage Water Treatment Systems at Baird & McGuire, Groveland, and Silresim Sites
- Perform O&M at Atlas Tack, Charles George LF, Iron Horse Park (partially), and Nyanza Chemical Dump Sites
- Grants/NAULs at Atlas Tack, Baird & McGuire, Charles George LF, Groveland, Hathaway & Patterson, Hocomonco Pond, Industri-Plex, Norwood PCBs, Nyanza Chemical Dump, Rose Disposal Pit, Shpack, Silresim, and Sullivan's Ledge, Army Materials Testing Labs, MMR, Natick Labs, South Weymouth Naval Air Base, and Ft. Devens

Solar Installations at Charles George, Iron Horse Park & Sullivan's Ledge



State Enhance Remedy (SER) at New Bedford Harbor

- About 550,000 Cubic Yards of contaminated navigational sediments dredged from over 25 locations in New Bedford and Fairhaven
- Construction of Port Facilities

Steamship Authority Maintenance Facility in Fairhaven

During Construction



Completed



New Bedford Marine Commerce Terminal Construction



New Bedford Marine Commerce Terminal



What is new with Superfund?



U.S. ENVIRONMENTAL PROTECTION AGENCY
NEWS RELEASE
WWW.EPA.GOV/NEWSROOM

January 17, 2017 Sites in Mass. and Conn. are on EPA's Superfund Redevelopment Focus List

Boston (January 17, 2018) – Today, the U.S. Environmental Protection Agency (EPA) released its initial list of Superfund National Priorities List (NPL) sites with the greatest expected redevelopment and commercial potential including two sites in New England: New Bedford Harbor in New Bedford, Mass. and Raymark Industries Inc. in Stratford, Conn.

“EPA is more than a collaborative partner to remediate the nation’s most contaminated sites, we’re also working to successfully integrate Superfund sites back into communities across the country,” said EPA Administrator Scott Pruitt. “Today’s redevelopment list incorporates Superfund sites ready to become catalysts for economic growth and revitalization.”

New Bedford Harbor, New Bedford, Mass.

There are a number of redevelopment opportunities that EPA is working closely with the City of New Bedford and Commonwealth of Massachusetts. These include studies on **potential reuse of EPA shoreline support facilities**, coordination of the City’s plans for a “Riverwalk” with EPA’s cleanup of the Upper Harbor shoreline, **and integration of EPA authorized/State-sponsored navigational dredging with the construction of port facilities.**

EPA is working in coordination with the City and Commonwealth to return the New Bedford Harbor environment to a healthy state once again. Prior to the start of the full-scale dredging program in 2004, EPA and the Army Corps of Engineers performed multiple targeted cleanup actions within the harbor and along the shoreline that removed some of the highest levels of PCB contamination. In 2013 EPA finalized a \$366.25 million settlement with the main responsible party at the site. EPA estimates the majority of the cleanup will be complete within about 5 years. Approximately 425,000 cubic yards of PCB-contaminated sediment has been removed from the Upper Harbor as of December 2017. Dredging of approximately 220,000 cubic yards of less contaminated sediment in the Lower Harbor and Upper Harbor was completed during 2016-2017, followed by placement in the Lower Harbor CAD Cell. Another 25,000 cubic yards of contaminated sediment cleanup has been completed by EPA along the Harbor’s shoreline