

For Office Use Only
Executive Office of Environmental Affairs

EOEA No.: **13248**
MEPA Analyst: **LEANDREA DAMES**
Phone: 617-626-**1028**

ENF Environmental Notification Form

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Site Remediation at Hamblet & Hayes Facility Confirmed Disposal Site (RTN #3-2565)		
Street: 1 Colonial Road		
Municipality: Salem	Watershed: North Coastal	
Universal Transverse Mercator Coordinates: 19 343961E 4708053N	Latitude: 42.51° N	Longitude: 70.89° W
Estimated commencement date:	Estimated completion date: August 2004	
Approximate cost:	Status of project design:	
Proponent: Ciba Specialty Chemicals		
Street: P.O. Box 71 Oakridge Parkway		
Municipality: Toms River	State: NJ	Zip Code: 08754
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Daniel J. Padien		
Firm/Agency: Vanasse Hangen Brustlin, Inc.	Street: 101 Walnut Street	
Municipality: Watertown	State: MA	Zip Code: 02471
Phone: (617) 924-1770	Fax: (617) 923-2336	E-mail: DPadien@vhb.com

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301 CMR 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

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

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

List Local or Federal Permits and Approvals:
Order of Conditions – Issued Sept 11, 2003 (Salem Conservation Commission), 401 Water Quality Certificate (Mass. DEP), Chapter 91 Waterways Dredging Permit (Mass. DEP) Section 10 and Section 404 Permit (U.S. Army Corps of Engineers), and NPDES Exclusion Permit (US EPA)

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|---------------------------------|---------------------------------------|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input checked="" type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air | <input type="checkbox"/> Solid & Hazardous Waste |
| <input type="checkbox"/> ACEC | <input type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input checked="" type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/Extension Permit <input checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i>
Total site acreage	6.9±			
New acres of land altered		0.7±		
Acres of impervious area	2.88	0	2.88	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		30,050 SF		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				Chapter 91 Dredging Permit
Gross square footage	45,450	0	45,450	
Number of housing units	0	0	0	
Maximum height (in feet)	20±	0	20±	1. Source ITE Trip Generation, 1997
TRANSPORTATION				
Vehicle trips per day	290 ¹	0	290 ¹	
Parking spaces	25	0	25	2. No development proposed.
WATER/WASTEWATER				
Gallons/day (GPD) of water use	N/A ²	0	N/A ²	
GPD water withdrawal	N/A ²	0	N/A ²	
GPD wastewater generation/treatment	N/A ²	0	N/A ²	
Length of water/sewer mains (in miles)	N/A ²	0	N/A ²	

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?
 Yes (Specify _____)
 No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?
 Yes (Specify _____)
 No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?
 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

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify _____) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative.

Ciba Specialty Chemicals Corporation (Ciba) is proposing a remedial action at the former Hamblet & Hayes Facility (site) in Salem to remove chromium-contaminated sediment from Mill Pond, a tidal waterbody, and the adjacent salt marsh. Ciba is a former owner of the facility and has retained response action liability under the Massachusetts Contingency Plan (310 CMR 40.0000). The site has been assigned Release Tracking Number 3-2565.

The site contains a small industrial complex that has been used for chemical manufacturing operations for over 70 years. Historically the facility manufactured basic chromium sulfate for the tanning industry. During this lengthy use of the site, processed waste and other materials appear to have been deposited in Mill Pond and on the grounds surrounding the facility. Recent site characterizations have been completed in order to determine the appropriate remedial actions under the Massachusetts Contingency Plan (310 CMR 40.0000). The LSP of record for this project is Frank W. Lilley (LSP #4183) of Vanasse Hangen Brustlin, Inc.

The Massachusetts DEP has classified the site as a Tier 1B site. The proponent has submitted Phase I, II, III and IV reports to the DEP. The goal of the proposed Phase IV remedial action is to eliminate risk via the removal of contaminated source materials. While several remedial actions were considered, the remedial action that is the subject of this ENF is the hydraulic isolation and removal of approximately 870 cubic yards of sediment from Mill Pond that is contaminated with chromium. The areas targeted for remedial action have been delineated based on several rounds of sediment sampling as reported in the Phase I, II and III reports.

There are no off-site alternatives to the proposed action. On-site alternatives include Alternative 1- No Action and two action alternatives. Under the No-Action alternative, impacts would include ongoing adverse effects on the benthic organisms within Mill Pond and reduced prey species available to the wading bird population.

Alternative 2A is the removal of all surface sediments containing in excess of 100 mg/kg chromium to achieve background chromium levels. This alternative would alter approximately 1.8 acres of coastal beach and salt marsh and require the removal of approximately 2900 cubic yards of sediment from Mill Pond resulting in the loss of organic sediments and removal of the majority of the remaining benthic community. Mitigation would necessarily include backfilling excavated areas and restoration of any altered salt marsh.

Alternative 2B is the selected alternative. It includes the removal of approximately 870 cubic yards of sediments containing in excess of 4500 mg/kg to reduce the existing risk to benthic organisms and wading birds to an acceptable level in accordance with the results of a Method 3 Ecological Risk Assessment. This alternative will achieve a condition of No Significant Risk as defined by the MCP and receive an A-3 Remedial Action Outcome, a permanent solution. Wetland impacts associated with this alternative include the temporary alteration of approximately 25,000 square feet of Coastal Beach, 2080 square feet of Salt Marsh and 3020 Coastal Bank. All wetland areas will be restored following excavation. Existing ground and bathymetric contours will be restored by backfilling with appropriate mineral and organic soils. Altered salt marsh will be replanted with appropriate non-invasive species.

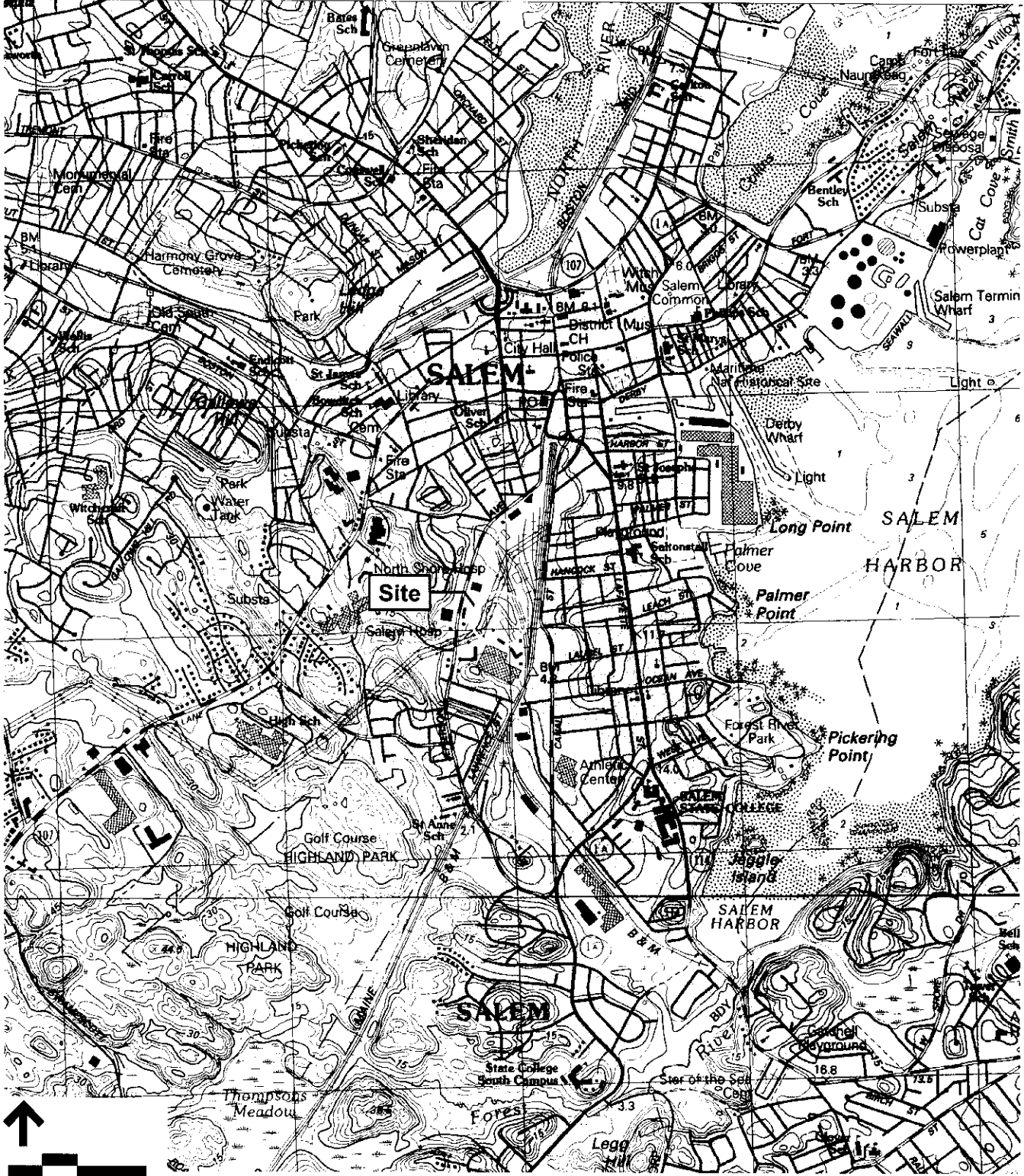
Alternative 2B was selected because it will achieve the project goals as dictated by the MCP, may be permitted under applicable state regulations and will result in the least amount of wetland impacts of the alternatives meeting the project goals.

The project is subject to MEPA review because it includes the alteration of Coastal Beach and greater than 1000 square feet of salt marsh. The project does not exceed any thresholds requiring the preparation of an Environmental Impact Report.

The project was approved under the Massachusetts Wetlands Protection Act on September 11, 2003 with the issuance of an Order of Conditions by the Salem Conservation Commission. The project will require additional approvals including a 401 Water Quality Certification, Chapter 91 Waterways Dredging Permit and Department of the Army Permit under Category 2 of the Programmatic General Permit.

The project does not include any off-site impacts and therefore no off-site mitigation is proposed.

The attached narrative provides additional details regarding the proposed project, proposed mitigation and describes the project's compliance with applicable regulatory programs.



Source: USGS Quadrangle Digital Raster Image - Town of Salem, MA

Vanasse Hangen Brustlin, Inc.

Site Location Map

Figure 1