

# ENF Environmental Notification Form

*For Office Use Only*  
*Executive Office of Environmental Affairs*

EOEA No.: 13116  
MEPA Analyst: Deirdre Buckley  
Phone: 617-626-1044

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: <b>Petronelli</b>		
Street: <b>19 Bayview Lane (Bayberry Road)</b>		
Municipality: <b>Wareham</b>	Watershed: <b>Buzzards Bay</b>	
Universal Transverse Mercator Coordinates: <b>Zone 19 361009E, 4620147N (NAD27)</b>	Latitude: <b>41°43'22"N</b>	Longitude: <b>70°40'16"W</b>
Estimated commencement date: <b>?</b>	Estimated completion date: <b>Spring 2004</b>	
Approximate cost: <b>\$60,000</b>	Status of project design: <b>10 %complete</b>	
Proponent: <b>Nicholas Petronelli</b>		
Street: <b>19 Bayview Lane (Bayberry Road)</b>		
Municipality: <b>Wareham</b>	State: <b>MA</b>	Zip Code: <b>02571</b>
Name of Contact Person From Whom Copies of this ENF May Be Obtained: <b>Holly Carlson</b>		
Firm/Agency: <b>Epsilon Associates, Inc.</b>	Street: <b>150 Main Street</b>	
Municipality: <b>Maynard</b>	State: <b>MA</b>	Zip Code: <b>01754</b>
Phone: <b>978-897-7100</b>	Fax: <b>978-897-0099</b>	E-mail: <b>hcarlson@epsilonassociates.com</b>

- 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 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

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): **Privately funded**

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 (appealed)**

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
<b>LAND</b>				<input type="checkbox"/> Order of Conditions <input checked="" type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input 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 type="checkbox"/> Other Permits (including Legislative Approvals) – Specify:
Total site acreage	0.5 A			
New acres of land altered		0.036 A		
Acres of impervious area	0.05 A (house and patio)	+0.013 A (garage)	0.063 A	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		1,565 sf (garage + septic)		
Acres of new non-water dependent use of tidelands or waterways		0		
<b>STRUCTURES</b>				
Gross square footage	2,163 sf (house + patio footprint)	576 sf (garage)	2,739 sf (house/patio + garage)	
Number of housing units	1	0	1	
Maximum height (in feet)	25'	0	25'	
<b>TRANSPORTATION</b>				
Vehicle trips per day	6	2 additional vehicles (6 wk construction period)	6 + 2 add'l vehicles (6 wk construction period)	
Parking spaces	4	0	4	
<b>WATER/WASTEWATER</b>				
Gallons/day (GPD) of water use	363	121	484	
GPD water withdrawal	N/A	N/A	N/A	
GPD wastewater generation/treatment	330	110	440	
Length of water/sewer mains (in miles)	N/A	N/A	N/A	

**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 (You may attach one additional page, if necessary.)

#### Description of Project Site and Proposed Project

The project site, comprised of one property totaling approximately 0.5 acres, is located southeast of Bourne Point and Little Harbor Beach in Wareham, Massachusetts (Figure 1). A two-bedroom single-family residential dwelling and a brick patio currently exist on site (Photo 1). This project involves the upgrade to a Title 5 subsurface septic disposal system and the addition of a 24'x24' attached garage with an upstairs bedroom to the north of the existing house (See Appendix A - Site Plans). The septic system upgrade has already been completed under Emergency Certification and Emergency Repair certificates from the Conservation Commission and Board of Health, respectively, following a septic system failure due to delay of the project. The work area associated with this septic system upgrade can be seen in Photos 2-4, outlined by hay bales.

Both the septic system and garage are located in a coastal floodplain (Land Subject to Coastal Storm Flowage) and gradually sloping area that qualifies as a non-eroding type of coastal bank. The type of coastal bank found on-site is shown in Figure 2, where areas steeper than a 1:10 slope (0.1) are interspersed with land subject to coastal storm flowage where slopes are less than 1:10. To identify these areas of coastal bank, four profiles (A, B, C and D) were drawn across the site along which elevations were measured at various intervals (see Site Plan). Distance and elevation were then used to calculate slope, from which sections of coastal bank were identified (Table 1). The coastal bank performance standards described in 310 CMR 10.30, state that a project must not have adverse effects on the stability of the coastal bank. In this project, construction of the garage and planned landscaping will enhance this coastal bank stability by preventing erosion due to wind and rain runoff. Appropriate erosion-control measures including use of hay bales were employed during upgrade of the septic system (which disturbed 989 sf of ground) and will be used during the garage construction. After the garage construction is completed, the site around the garage and septic system will be landscaped using vegetative cover to provide a stable surface.

#### Alternatives

As shown on the site plan, there are no feasible alternative locations for the garage or septic system. Therefore, the

only alternative is no-build. As discussed above, the septic system upgrade was performed with emergency certification by the Conservation Commission and Board of Health.

**Mitigation Measures**

▪ ***Wetland Resource Areas***

Coastal wetland resource areas onsite include land subject to coastal storm flowage, coastal bank, and associated 100-foot buffer zones. Proposed construction will take place entirely within these resource areas and/or buffer zones, with a work zone of 989 sf for the septic system and 576 sf for the garage. Impacts have been avoided, minimized and mitigated to the greatest extent practicable. Please refer to Appendix B, Sections 6 and 7 for a detailed description of compliance with applicable performance standards.