

ENF Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs
 EOE No.: 13499
 MEPA Analyst: Briony Angus
 Phone: 617-626-1029

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: George Harlow Field 20-Year Airport Improvement Plan		
Street: 93 Old Colony Lane		
Municipality: Marshfield	Watershed: Weymouth & Weir	
Universal Transverse Mercator Coordinates: N 4, 662, 017 E 361, 675 (UTM 19/USGS Duxbury Quad)	Latitude: 42°-05'-53"N Longitude: 70°-40'-22"W	
Estimated commencement date: June 2006	Estimated completion date: June 2022	
Approximate cost: \$9,597,820 over 20 yrs.	Status of project design: 5 %complete	
Proponent: Marshfield Airport Commission		
Street: 93 Old Colony Road		
Municipality: Marshfield	State: MA	Zip Code: 02050
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Armand J. Dufresne, Senior Airport Planner		
Firm/Agency: Gale Associates, Inc.	Street: 15 Constitution Drive	
Municipality: Bedford	State: MA	Zip Code: 03110-6042
Phone: 603-471-1887	Fax: 603-471-1809	E-mail: ajd@gainc.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): Massachusetts Aeronautics Commission \$ 238,455 over a 20 year period

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 (Local wetland bylaw), Floodplain Special Permit (Local), Inland Wetland Special Permit (Local), Environmental Assessment (Federal), Water Quality Certification (Federal)

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

- | | | |
|---------------------------------|--|--|
| <input type="checkbox"/> Land | <input checked="" type="checkbox"/> Rare Species | <input checked="" type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input type="checkbox"/> Wastewater | <input checked="" 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 checked="" 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> <u>Conservation Permit (NHESP), Wetland Protection Act Variance (DEP), Coastal Zone Management Consistency Review (Mass Office of Coastal Zone Management)</u>
Total site acreage	170.0			
New acres of land altered		13.9		
Acres of impervious area	14.6	4.8	19.4	
Square feet of new bordering vegetated wetlands alteration		143,748		
Square feet of new other wetland alteration		0		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	64,875	34,105	98,980	
Number of housing units	0	0	0	
Maximum height (in feet)	27	0	27	
TRANSPORTATION				
Vehicle trips per day	120	42	162	
Parking spaces	25	0	25	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	40	12	52	
GPD water withdrawal	N/A	N/A	N/A	
GPD wastewater generation/treatment	1200	120	1320	
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 Archaeological Assets of the Commonwealth) No

**None known. Archaeological Reconnaissance Survey planned as part of future (FY 2006) project.
SEE ATTACHED CORRESPONDENCE.**

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No **Not known at this time.**

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.*)

This ENF addresses the proposed 20 year program of projected improvements to the George Harlow Field airport, to be performed as program funding permits over this period of time. The project site is a municipally owned, general aviation airport that mainly serves corporate, business and recreational flyers. The airport is under the care and custody of the Marshfield Airport Commission pursuant to Chapter 90 of the General Laws. It consists of approximately 170 ± acres of land whose topography runs generally 4 to 9 feet above Mean Sea Level (MSL). The airfield itself and its runway are bounded to the north by Bass Creek and to the south by Green Harbor River. The airfield is generally surrounded by wetlands and is located in a so-called "polder" area, a coastal flood prone area that is regulated by tide gates.

The airport facilities consist of one paved, 3,001-foot long runway designated Runway 6-24 (running generally from northeast to southwest), a full length parallel taxiway, several small aircraft parking areas (aprons), a small terminal building, a small equipment garage, an aircraft maintenance hangar, and eight aircraft hangar buildings with capacities ranging from one aircraft to approximately 6 aircraft. The airport is bounded on its north and west by residential neighborhoods, by open space and a golf course on its southern border and by a farm and open space on its eastern border. The airport provides a host of services including flight instruction, fueling facilities, maintenance facilities, and air charter services.

A recent airport-planning study identified a high aviation demand for this facility based on its proximity to Boston, its regional demographics, its virtual lack of competition, and the services the airport provides.

The proposed projects covered by this ENF include several airport improvements for the years 2002 through 2022, which have been identified in various airport-planning studies. These improvements are focused on improving airport safety, compliance with current FAA standards, airport security, and the airport's ability to sustain its financial self-sufficiency (except for local shares for capital improvement projects). These improvements include:

- Achieving FAA standard runway-to-taxiway separation and pavement widths by relocating the runway 15 feet to the east and widening the runway pavement from 75 feet to 100 feet (to compensate for a lack of a cross-wind runway) and widening the taxiway pavement from 30