**Commonwealth of Massachusetts**
**Executive Office of Environmental Affairs ■ MEPA Office**

# ENF Environmental Notification Form

*For Office Use Only*
*Executive Office of Environmental Affairs*
EOEA No.: 13015
MEPA Analyst: Arthur Pugsley
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: **Lake Ripple Well** | | |
| Street: **Providence Road** | | |
| Municipality: **Grafton** | Watershed: **Blackstone** | |
| Universal Tranverse Mercator Coordinates: 19 02 77 305 N 46 76 681 E | Latitude: **42° 12' 45" N**<br>Longitude: **71° 41' 52" W** | |
| Estimated commencement date: **2003** | Estimated completion date: **2004** | |
| Approximate cost: **$500,000** | Status of project design: **5** %complete | |
| Proponent: **Grafton Water District** | | |
| Street: **44 Millbury Street** | | |
| Municipality: **Grafton** | State: **MA** | Zip Code: **01519** |
| Name of Contact Person From Whom Copies of this ENF May Be Obtained: **David G. Harwood** | | |
| Firm/Agency: **Dufresne-Henry, Inc.** | Street: **5 Lan Drive** | |
| Municipality: **Westford** | State: **MA** | Zip Code: **01886** |
| Phone: **(978)692-1913** | Fax: **(978)692-4578** | E-mail: **dharwood@dufresne-henry.com** |

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

Has this project been filed with MEPA before?
☐Yes (EOEA No._____) **X** No

Has any project on this site been filed with MEPA before?
☐Yes (EOEA No._____) **X** No

Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:

| | | |
|---|---|---|
| a Single EIR? (see 301 CMR 11.06(8)) | ☐Yes | **X** No |
| a Special Review Procedure? (see 301CMR 11.09) | ☐Yes | **X** No |
| a Waiver of mandatory EIR? (see 301 CMR 11.11) | ☐Yes | **X** No |
| a Phase I Waiver? (see 301 CMR 11.11) | ☐Yes | **X** 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): **There will be no financial assistance or land transfer from the Commonwealth for this project.**

Are you requesting coordinated review with any other federal, state, regional, or local agency?
☐Yes(Specify_____) **X** No

List Local or Federal Permits and Approvals:
**MA DEP New Source Approval**
**MA DEM Water Management Act Permit**
**MA DEP Wetlands Protection Act**

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

| | | |
|---|---|---|
| ☐ Land | ☐ Rare Species | ☐ Wetlands, Waterways, & Tidelands |
| X Water | ☐ Wastewater | ☐ Transportation |
| ☐ Energy | ☐ Air | ☐ Solid & Hazardous Waste |
| ☐ ACEC | ☐ Regulations | ☐ Historical & Archaeological Resources |

| Summary of Project Size & Environmental Impacts | Existing | Change | Total |
|---|---|---|---|
| **LAND** | | | |
| Total site acreage | 10± | | |
| New acres of land altered | | 0 | |
| Acres of impervious area | 0.005 | .015 | 0.02 |
| Square feet of new bordering vegetated wetlands alteration | | 0 | |
| Square feet of new other wetland alteration | | 0 | |
| Acres of new non-water dependent use of tidelands or waterways | | 0 | |
| **STRUCTURES** | | | |
| Gross square footage | 225 | 675 | 900 |
| Number of housing units | 0 | 0 | 0 |
| Maximum height (in feet) | 10 | 0 | 10 |
| **TRANSPORTATION** | | | |
| Vehicle trips per day | 0 | 1 | 1 |
| Parking spaces | 0 | 2 | 2 |
| **WATER/WASTEWATER** | | | |
| Gallons/day (GPD) of water use | 0 | 0 | 0 |
| GPD water withdrawal | 10,000 | 855,000 | 865,000 |
| GPD wastewater generation/ treatment | 0 | 0 | 0 |
| Length of water/sewer mains (in miles) | 0.1 | 0.2 | 0.3 |

**State Permits & Approvals**

- X Order of Conditions
- ☐ Superseding Order of Conditions
- ☐ Chapter 91 License
- ☐ 401 Water Quality Certification
- ☐ MHD or MDC Access Permit
- X Water Management Act Permit
- X New Source Approval
- ☐ DEP or MWRA Sewer Connection/ Extension Permit
- ☐ Other Permits (*including Legislative Approvals*) – Specify:

**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_____) X No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

☐Yes (Specify_____) X No

**RARE SPECIES**: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities? **Response pending, see agency request letter at the end of this form. Figure 3 and 4 the site does not include Estimated Habitat or Priority Sites of Rare Species.**

☐ Yes **X** 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 **Response pending, see agency request letter at the end of this form.**

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_____) **X** 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.*)

**The Grafton Water District is pursuing the development of an additional water supply at the site of an existing irrigation well for the Grafton High School. Currently, the Grafton Water District rotates pumping frequency between their existing wells. The installation of a well at the Lake Ripple site will allow for operational flexibility and redundancy.**

**The Lake Ripple well site was originally identified for its potential as a municipal water supply in 1964. The well is currently in service as an irrigation well for the high school athletic fields. There is an existing pumping station that will be demolished and the new pumping station will be only slightly larger than the existing. See attached site plan. The Grafton Water District has investigated numerous potential well sites and the only current viable option is the Lake Ripple well site. The well site has favorable hydrogeologic conditions and the proposed gravel packed production well at this site would be expected to produce in the vicinity of 500 to 600 GPM. Approximately 1,000 feet of new water main will be installed to connect the new well to the existing distribution system.**

**Lake Ripple is approximately 15 feet from the well. The banks of Lake Ripple are relatively steep and there are no wetlands along the lake shore, or elsewhere in the site vicinity. Work will take place within two resource areas, riverfront and bordering land subject to flooding (BLSF) and 100-foot buffer zone of bank. The majority of riverfront alterations will be temporary. A total of approximately 43 cubic yards of floodplain will be restored to the site upon demolishing the existing well site and pumping station, this demolition will also restore approximately 225 square feet of inner riparian zone. The installation of the new well site will impact approximately 1 cubic yard of BLSF.**

**The Water Management Act requires a Water Withdrawal Permit Amendment because it is a physically new withdrawal point, however the permit volume will be zero, since the withdrawal will be within the existing permitted volume. Therefore, there will be no overall increase in water withdrawal as a result of this project.**