

Commonwealth of Massachusetts
Executive Office of Environmental Affairs ■ MEPA Office

ENF Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs
 EOE No.: 13682
 MEPA Analyst: NICK ZAVALAS
 Phone: 617-626-1030

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: Well No. 5, Oak Bluffs Water District | | |
| Street: off Barnes Road | | |
| Municipality: Oak Bluffs | Watershed: Cape & Islands- Martha's Vineyard | |
| Universal Transverse Mercator Coordinates: X: 365714 y: 4585916 | Latitude: N41 24'51" Longitude: W70 36'46" | |
| Estimated commencement date: 3/2006 | Estimated completion date: 12/2006 | |
| Approximate cost: \$520,000 | Status of project design: Well Drilling- 100 %complete; Facilities Design - 1% complete | |
| Proponent: Oak Bluffs Water District | | |
| Street: 96 Vineyard Avenue, P.O. Box 1297 | | |
| Municipality: Oak Bluffs | State: MA | Zip Code: 02557 |
| Name of Contact Person From Whom Copies of this ENF May Be Obtained: Jeff Diercks | | |
| Firm/Agency: Camp Dresser & McKee Inc. | Street: 1001 Elm Street | |
| Municipality: Manchester | State: NH | Zip Code: 03101 |
| Phone: 603-222-8335 | Fax: 603-645-8689 | E-mail: diercksje@cdm.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. 12445) 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): 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: None

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 type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input checked="" 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 type="checkbox"/> Order of Conditions <input 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 checked="" type="checkbox"/> Water Management Act Permit (Amend't) <input checked="" 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> -DEP Approval to Construct Source -NHESP review under Mass. Endangered Species Act |
| Total site acreage | 58 acres | | | |
| New acres of land altered | | 0.3 acre | | |
| Acres of impervious area | 1.25 acre | 0.3 acre | 1.55 acre | |
| Square feet of new bordering vegetated wetlands alteration | | NONE | | |
| Square feet of new other wetland alteration | | NONE | | |
| Acres of new non-water dependent use of tidelands or waterways | | NONE | | |
| STRUCTURES | | | | |
| Gross square footage | 1800 | 0 | 1800 | |
| Number of housing units | N/A | N/A | N/A | |
| Maximum height (in feet) | N/A | N/A | N/A | |
| TRANSPORTATION | | | | |
| Vehicle trips per day | N/A | N/A | N/A | |
| Parking spaces | N/A | N/A | N/A | |
| WATER/WASTEWATER | | | | |
| Gallons/day (GPD) of water use | N/A | N/A | N/A | |
| GPD water withdrawal* | 3,024,000 max from this parcel | 0 | 3,024,000 max from this parcel | |
| GPD wastewater generation/ treatment | N/A | N/A | N/A | |
| Length of mains (in miles), water only – no sewer | 0.3 | 0.2 | 0.5 | |

* Wells Nos. 3 and 4 on this parcel have a combined DEP-approved yield of 3,024,000 gpd. The District is not requesting any change in the combined approved yield of wells on this parcel, nor any change in its permitted water withdrawal amount. Well No. 5 will have an individual approved yield of 1.44 mgd, but is a backup well. The DEP water withdrawal permit will allow any two wells on this parcel to operate simultaneously, but not all three.

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 **The Natural Heritage and Endangered Species Program (NHESP) indicates the project site is within a Priority Habitat, and that state-listed rare species have been found in vicinity to the project site (see NHESP letter dated July 8, 2005, in Attachment B).**

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 **MHC has determined the project is unlikely to affect significant historic or archaeological resources (see CDM letter dated June 28, 2005, in Attachment B).**

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.)

The project involves hookup of a new municipal water supply well within the existing 58-acre Oak Bluffs Water District wellfield parcel, which already includes Wells Nos. 3 and 4. The parcel is almost entirely forested.

The DEP-approved maximum day withdrawal from the new well is expected to be 1,440,000 gallons per day (gpd). However, the District is not requesting an increase in the existing combined approved yield of the wells on this parcel, nor in its permitted withdrawal under the Water Management Act. The new well is for backup purposes only.

The District has assumed that this project requires filing an ENF per 301 CMR 11.03 (4) (b) 1, which lists the following trigger: "new withdrawal or expansion in withdrawal of 100,000 or more gpd from a water source that requires new construction for the withdrawal." However, as noted above, this project will not entail any increase in the permitted withdrawal nor in the combined approved yield of wells on the District parcel. It is expected that the DEP's amended water withdrawal permit will add Well No. 5 as an approved withdrawal point and will limit the operation of wells on

this parcel to no more than two at a time.

Well No. 5 has already been drilled, as was required for the mandatory testing under the DEP Source Approval process. The hookup of the well to the water supply system will include the following:

- **A new 12-inch diameter water main, between Well No. 4 and Well No. 5, to be paralleled by power and communications lines.**
- **Paving a driveway along the existing rough access way between Well No. 4 and Well No. 5.**
- **Installing a pump and motor in the existing Well No. 5, and making electrical and other modifications inside the existing pumping station for Well No. 4.**

No structures are to be constructed. A site plan is presented in Figure 3 of the DEP Source Final Report, included in Attachment A.

All work is proposed in upland areas. There are no wetlands on the District parcel.

The wellfield site is located in the southwestern corner of the Town of Oak Bluffs, off Barnes Road. The site is bordered to the north by Goodale Construction Co. Asphalt Plant and the Duarte Pond Boy Scouts Camp, and to the northwest by a residential area. To the south of the site is the Martha's Vineyard State Forest and the Martha's Vineyard Airport. To the west is undeveloped forest, and a residential development is located to the east of the site. The location of the site and its surroundings is shown in Figures 4 & 8 of the DEP Source Final Report (Attachment A).

Alternatives to the expansion of this wellfield were assessed in a 1994 report and presented in the ENF for the Well No. 4 project (EOEA No. 12445). Alternatives discussed therein included additional pumping from existing wells (not feasible due to overuse), desalination (not pursued due to cost and environmental concerns), water conservation (being practiced by the District), development of other well sites (none known), and no action (this would result in continuation of the inadequate water supply system, which is not acceptable to the District).

Following receipt of MEPA and DEP approvals, Well No. 4 was constructed. Well No. 5 was planned at that time, as reported in the prior ENF. The DEP Site Examination for Well No. 5 was completed in 2000, as indicated in Section 1 of the DEP Source Final Report (Attachment A). The current Well No. 5 project represents the completion of the wellfield program planned at that time.

The primary mitigation measure for this project is the permit condition that precludes the simultaneous operation of all three wells on the District parcel; only two wells on the parcel will be operated at any given time, as is already the case. The overall water withdrawal from the District parcel will not increase. The new well is a backup well.