Outlook

FW: Barnstable Fire District Wells 3 and 4 -- Application Completeness

From Genevieve Cordeiro <gac@h2olsonengineering.com>
Date Fri 11/6/2026 4:28 PM
To Ellen Carlson <ellen.carlson@capecodcommission.org>
Cc Stephen Olson <sco@h2olsonengineering.com>; Sean Anderson <bfdwatersupt@barnstablefiredistrict.com>; Jordan Velozo <jordan.velozo@capecodcommission.org>

2 attachments (1 MB)
Preliminary Hazardous-Materials-Inventory-List.pdf; C-11 11.6.26.pdf;

Hi Ellen,

Please see below and attached for our responses to the three comment items, as described by Steve in his email on 11/5/26.

1. Potassium hydroxide (KOH) and sodium hypochlorite (NaOCl) will be stored inside the water treatment building within at least 110% secondary containment by volume. Storage of these hazardous substances is described as follows:
    a. One KOH bulk tank approximately 4,050 gallons in size and one KOH day tank approximately 330 gallons in size will be stored within a secondary containment approximately 747 CF in size.
    b. One NaOCl bulk tank approximately 545 gallons in size and two NaOCl day tanks approximately 55 gallons in size will be stored within a secondary containment approximately 108 CF in size.
2. The Local Hazardous Materials Registration will be submitted to the Town of Barnstable Health Division prior to construction. Please see attached for the preliminary Hazardous Materials Inventory List.
3. Please see attached for the updated Sheet C-11 from the Design Plans depicting the use of native fescue grass and wildflowers in place of Bermuda grass.

Please let me know if you need anything else to facilitate your review.

Thank you,

Genevieve

H2Olson Engineering, Inc.
DRINKING WATER PROFESSIONALS

From: Ellen Carlson <ellen.carlson@capecodcommission.org>
Sent: Friday, November 6, 2026 8:38 AM
To: Stephen Olson <sco@h2olsonengineering.com>; Genevieve Cordeiro <gac@h2olsonengineering.com>; Sean Anderson <bfdwatersupt@barnstablefiredistrict.com>

Cc: Jordan Velozo <jordan.velozo@capecodcommission.org>
Subject: Re: Barnstable Fire District Wells 3 and 4 -- Application Completeness

Hi Steve,
You can provide your responses and any supporting documentation by email.
Many thanks.
Best,
Ellen

Ellen Carlson
Regulatory Planner II
Cape Cod Commission
(508) 744-1262

From: Stephen Olson <sco@h2olsonengineering.com>
Sent: Thursday, November 5, 2026 4:57 PM
To: Ellen Carlson <ellen.carlson@capecodcommission.org>; Genevieve Cordeiro <gac@h2olsonengineering.com>; Sean Anderson <bfdwatersupt@barnstablefiredistrict.com>
Cc: Jordan Velozo <jordan.velozo@capecodcommission.org>
Subject: RE: Barnstable Fire District Wells 3 and 4 -- Application Completeness

Hi Ellen,

Are you looking for an official written response to the CCC letter, or can we e-mail you our responses (including attachments) to the 3 below comment items:

1. We will provide the hazardous chemicals that are stored on-site with secondary containment: chemical (NaOCl and KOH) and quantity.
2. Submission of a Local Hazardous Materials Registration to the Town of Barnstable.
3. Replacement of Bermuda grass with a native blend of grasses and wildflowers.

Thanks,

~ Steve O

H2Olson Engineering, Inc.
DRINKING WATER PROFESSIONALS

From: Ellen Carlson <ellen.carlson@capecodcommission.org>
Sent: Thursday, November 5, 2026 2:11 PM
To: Stephen Olson <sco@h2olsonengineering.com>; Genevieve Cordeiro <gac@h2olsonengineering.com>; Sean Anderson <bfdwatersupt@barnstablefiredistrict.com>
Cc: Jordan Velozo <jordan.velozo@capecodcommission.org>
Subject: Barnstable Fire District Wells 3 and 4 -- Application Completeness

Good afternoon,

Many thanks for submitting your application for DRI Exemption. Staff has reviewed the application for completeness and noted that some additional information would be needed to consider it in terms of consistency with the Regional Policy Plan and relevant regulations.

A general staff recommendation was to review the Cape Cod Commission comments provided during the MEPA review and be sure to address the comments and questions raised in the correspondence. (Attached)

Water Resources
Staff requested additional information on whether there will be any hazardous substances stored on site, what they are, and in what quantities. It was noted that Potassium Hydroxide (KOH) and Sodium Hypochlorite (NaOCl) are considered hazardous materials due to their corrosive properties (among other properties for NaOCl). Will secondary containment be provided? This information will be needed to review this project for DRI exemption.

Also, would the Applicant provide their Local Hazardous Materials Registration that they have submitted (or will) to Town of Barnstable Health Division?

Natural Resources
Staff has raised concerns about the use of Bermuda grass that is not native to the region and recommend planting only a native blend of grasses and wildflowers, especially given the project's location surrounded by other open space where the introduction or spread of nonnative species should be discouraged.

If you have any additional questions or would like to set up a call with Commission staff to discuss further, please let me know.

Please submit your revised application materials to us as soon as feasible.

Many thanks,
Ellen