

SECTION 16 WATER SUPPLY

A. Water Supply

The Project will require water supply for the O&M building. The O&M building will house a maximum of five employees and will provide bathroom facilities and potable water for staff. Approximately 120 gallons of water will be needed per day to support the O&M building. A private water supply well is present adjacent to the northwest corner of the O&M building that was used during operation of the former USAF Radar Station. The Applicant intends to use this well to provide water supply for the Project. The Applicant has contracted with Pine State Drilling, Athens, Maine to complete the well inspection, pump test and water quality test. All test results will be submitted to MDEP for inclusion in the permitting record when available.

In the event that the existing water supply well is inadequate to serve the needs of the Project, adequate water supply for the O&M building can be provided by a new, small, residential-scale drilled well, and there is a high probability that the proposed drilled well will yield adequate supply for the proposed O&M building. Consultation with Pine State Drilling, which has well drilling experience in the area, indicates that a sufficient water supply is likely to be present in the Project vicinity (Exhibit 16-1 [Capacity Letter from Pine State Drilling]).

B. Notice of Drinking Water Restriction

The former USAF Radar Station deed notices and covenants contain the following notice of drinking water restriction:

“The Grantee is hereby informed and acknowledges that the ground water under the Property has been known to contain arsenic at levels higher than the legal limit as indicated in the U.S. Air Force Environmental Baseline Survey (EBS) dated February 2007 (groundwater study results can be found in Appendix G-3 of the EBS posted on the Website). The Grantee covenants and agrees for itself, its successors and assigns forever, not to access or use ground water underlying the Property drinking water without prior written approval of the Maine Department of Environmental Protection. For the purposes of this restriction, “ground water” shall have the same meaning as in 101(12) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended. Bidders are encouraged to contact the Maine State Department of Environmental Protection regarding groundwater on the Property. More information regarding naturally occurring arsenic can be found in a digest printed in June 2005 from the University of Maine, Senator George J. Mitchell Center for Environmental and Watershed Research, “ARSENIC IN MAINE GROUNDWATER, Guidance for Small Water Systems.”

As a result of this deed restriction, the Applicant will supply potable water for employees as bottled water during operation of the facility.

C. Construction Water Supply

During construction, the Applicant will supply drinking water for workers and water for dust abatement on the gravel access roads. Drinking water will be provided as bottled water. Water for dust abatement will be drawn from publicly accessible, off-site water sources, excluding streams, brooks, and groundwater sources (distributed via a tanker truck). Surface water withdrawals will be conducted in accordance with the requirements of Title 38 M.R.S. § 470-B and, if applicable, pond water level regulations in 06-096 CMR Chapter 587.

Exhibits

- Exhibit 16-1 Capacity Letter from Pine State Drilling

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EXHIBIT 16-1 CAPACITY LETTER FROM PINE STATE DRILLING

-----Original Message-----

From: Chad Grignon <cgrignon73@gmail.com>

Sent: Tuesday, February 16, 2021 9:48 AM

To: Cassida, Jim <Jim.Cassida@tetrattech.com>

Subject: Bingham project

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

In regards to providing documentation of water on site , Maine's geo hydrology has never had issues especially in this area providing adequate water supplies for the needed demand I've drilled numerous wells in the area for camps and homes and have not had issues.

We can accommodate information on the existing well by doing a well capacity test and camera inspection Depending on how in depth the information needed is the range is from 800-2500 to visually inspect then add water capacity test We can also take needed water samples if necessary If you need any more information please do not hesitate to contact me Thank you Chad Grignon

Sent from my iPhone