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**Eckman Environmental**

100 Shoreline Hwy, Building B, Suite 100  
Mill Valley, CA 94941

**On-Site Wastewater Design Report for  
105 Terrace, Bolinas****Prepared for:**

Board of Directors

Bolinas Community Public Utility District

270 Elm Road Bolinas, CA 94924

**June 12, 2025**

**RE: Technical Information Regarding Water Use at 105 Terrace, Bolinas, CA**

Dear Board of Directors,

I am writing to provide technical information regarding the septic system repair project at 105 Terrace, to assist in the District's review of the property's water use status.

The project does not involve an expansion of the home's footprint or an increase in the bedroom count; both will remain as they are currently.

The septic system project has been reviewed and approved by Environmental Health Services (EHS) as a "repair." A key component of this EHS-approved design is the required use of modern low-flow fixtures, which results in a significant reduction in potential water use for the property compared to a conventional system.

To provide further detail on the system's efficiency, the new installation is an aerobic secondary treatment unit. Its materials require no water for maintenance or cleaning. The leach field tubing is automatically flushed using the treated effluent already within the tanks, meaning it does not draw any additional water from the residence for this process. Effectively, this system functions as a water recycling system for the landscape. The secondary treated water is dispersed 6 inches below the surface to provide direct irrigation for plantings, which will in fact reduce the need for potable water for landscaping.



ONSITE WASTEWATER PLANNING

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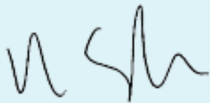
Furthermore, because the site does not meet Class I standards, EHS's approval is contingent on there being no future increase in water use.

In summary, this project is an EHS-approved repair that is not only designed to reduce water use but is also officially capped by EHS at 315 gallons per day. This evidence demonstrates that the project does not meet the typical criteria for the imposition of a new water use restriction. This information is submitted to aid the District in its assessment.

Thank you for your time and consideration.

If you have any additional questions, please email me at **[info@eckmanenvironmental.com](mailto:info@eckmanenvironmental.com)**.

Sincerely,

A handwritten signature in black ink, appearing to read 'N. S. Eckman', with a stylized, cursive script.

Noadiah S. Eckman, P.G.  
Managing Geologist