

## Best Management Practices Retrofit Application

Currently, Lake Tahoe is losing its clarity at a rate of over a foot a year. Research has found that the addition of sediment and nutrients such as nitrogen and phosphorus to Lake Tahoe promotes algal blooms that contribute to this loss of water clarity. Non-point source (NPS) pollution, or pollution originating from many diffuse sources is contributing to this decline. NPS pollution occurs when rain or snowmelt causes overland flow, picking up various pollutants from the ground's surface and transporting them directly into the surface waters that lead to Lake Tahoe.

Pursuant to subsection 25.5.A of the TRPA Code of Ordinances, all property owners in the Tahoe Basin are required to install infiltration facilities designed to accommodate the volume of runoff from a six-hour storm with a two-year recurrence probability (or a twenty year/one hour storm, which is approximately one inch of precipitation in an hour). These infiltration facilities are Best Management Practices (BMPs), or structural and nonstructural practices proven effective in soil erosion control and management of surface runoff.

All property owners in the Lake Tahoe basin need to implement BMPs, whether they own residential or commercial properties. The watersheds in the Tahoe Basin were prioritized for BMP implementation based on various factors including soil erodability, steepness of terrain, ratio of development to undisturbed land, and relative inputs of nutrients and sediment from the watershed. Utilizing this data, the watersheds were determined to be Priority One, Two or Three.

**Property owners in Priority One watersheds were required under subsection 25.3.A of the TRPA Code of Ordinances to implement BMPs on their property by October 15, 2000.**

Subsequent target dates for full implementation of BMPs are October 15, 2006 for property owners in Priority Two watersheds, and October 15, 2008 for property owners in Priority Three watersheds. Please refer to [www.trpa.org/bmpinfo](http://www.trpa.org/bmpinfo) to determine the priority of your watershed.

# BMP RETROFIT APPLICATION CHECKLIST

- | Applicant                | TRPA                     |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Completed application form   |
| <input type="checkbox"/> | <input type="checkbox"/> | Copy of current assessors parcel map <b>or</b> site vicinity map                                     |
| <input type="checkbox"/> | <input type="checkbox"/> | Copy of BMP Maintenance and Monitoring Plan for <b>commercial and public service properties ONLY</b> |

TWO SITE PLANS, MINIMUM 8.5" X 11", SHOWING THE FOLLOWING:

- | Applicant                | TRPA                     |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Map scale and north arrow   |
| <input type="checkbox"/> | <input type="checkbox"/> | Assessor's Parcel Number (APN) and property address   |
| <input type="checkbox"/> | <input type="checkbox"/> | Location and description of all BMPs to be implemented  |
| <input type="checkbox"/> | <input type="checkbox"/> | Calculations indicating that the 20 year/1 hour storm will be infiltrated by proposed BMPs (1 inch of water from all impervious surfaces)<br>(See <a href="http://www.trpa.org">www.trpa.org</a> for an infiltration spreadsheet to assist with this effort)  |
| <input type="checkbox"/> | <input type="checkbox"/> | Location of all trees greater than 6" diameter at breast height (dbh), including which, if any, trees are proposed to be removed.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Parcel boundaries   |
| <input type="checkbox"/> | <input type="checkbox"/> | Existing coverage (building footprint, driveway, walkways)  |
| <input type="checkbox"/> | <input type="checkbox"/> | Delineation of land capability districts  |
| <input type="checkbox"/> | <input type="checkbox"/> | Engineer stamped plans and calculations for the following (if applicable). Please note that this is not a comprehensive list. Other complex BMP designs may require engineered plans: <ol style="list-style-type: none"> <li>1. Retaining walls more than three feet in height</li> <li>2. Storm water treatment systems (i.e. sand/oil separator)</li> <li>3. Infiltration basins</li> <li>4. Infiltration systems capturing runoff from areas greater than 2,500 square feet.</li> <li>5. Subsurface conveyance systems (piping) and drop inlets</li> <li>6. Extensive grade alterations</li> </ol> |
| <input type="checkbox"/> | <input type="checkbox"/> | A soils/hydrologic scoping report for excavations greater than 5 feet in depth. A scoping report may also be required when evaluations of depth to groundwater or an impermeable layer such as bedrock, a hardpan or fragipan are needed to properly design and implement BMPs.   |
| <input type="checkbox"/> | <input type="checkbox"/> | Letter of permission or permit, if necessary, from the local jurisdiction in which the work is proposed to be done.   |

- Applicant**
- Location of stream environment zone (SEZ) within ¼-mile of the project area.
- Priority Watershed    1     2     3  (If you are unsure, check [www.trpa.org](http://www.trpa.org))

Note: If you have any questions, please contact TRPA via US Mail or telephone at:  
P.O. Box 5310, Stateline, NV 89449; Tel (775) 588-4547 ext. 202.



**DECLARATION:**

I hereby authorize TRPA to access the property for the purpose of site visits. I hereby declare under penalty of perjury that this application and all information submitted as part of this application are true and accurate to the best of my knowledge. I am the owner of the subject property or I have been authorized in writing by the owner(s) of the subject property to represent this application and understand that should any information or representation be submitted in connection with this application be incorrect or untrue, TRPA may rescind any approval or take other appropriate action. I further understand that additional information may be required by TRPA to review this project.

Signature: **(Original signature required.)**

\_\_\_\_\_ At \_\_\_\_\_ Date: \_\_\_\_\_  
Person Preparing Application County

\*\*\*\*\*

**AUTHORIZATION FOR REPRESENTATION:**

The following person(s) own the subject property (Assessor's Parcel Number \_\_\_\_\_) or have sufficient interest therein to make application to TRPA:

Print Owner(s) Name(s):

\_\_\_\_\_  
\_\_\_\_\_

I/We authorize \_\_\_\_\_ to act as my/our representative in connection with this application to TRPA for the subject property and agree to be bound by said representative. I understand that additional information may be required by TRPA beyond that submitted by my representative, to review this project. Any cancellation of this authorization shall not be effective until receipt of written notification of same by TRPA. I also understand that should any information or representation submitted in connection with this application be incorrect or untrue, TRPA may rescind any approval or take other appropriate action. I further accept that if this project is approved, I, as the permittee, will be held responsible for any and all permit conditions.

Owner(s) Signature(s): **(Original signature required.)**

\_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_ Date: \_\_\_\_\_

.....  
**OFFICE USE ONLY**

Date received: \_\_\_\_\_ By: \_\_\_\_\_

Application Fee: **N/A; Application fees will be waived if the owner installs ALL required BMPs on the subject property<sup>3</sup>**

<sup>3</sup>TRPA's BMP Retrofit Program is funded through grants from the Environmental Protection Agency and the California State Water Quality Control Board [Section 319 (h) and Prop 13], and from the Nevada Division of State Lands, Lake Tahoe License Plate Grant, and the Nevada Department of Environmental Protection [Section 319 (h)].