
QUALIFICATION GUIDELINES FOR TREATMENT BMP INSPECTORS

Appendix



For persons conducting inspections of stormwater treatment BMPs

Stormwater NPDES Permit Provision C.3.e requires the City to verify that treatment BMPs are being adequately maintained. The City reports the results of BMP inspections to the Regional Water Quality Control Board once a year.

Property owners must inspect and maintain BMPs throughout the year—periodically and following storms—according to the schedule in their approved **Stormwater Control Operation and Maintenance Plan**. Instructions for preparing a Stormwater Control Operation and Maintenance Plan are in **Appendix H**. See **Chapter 6** for a detailed description of the entire process for planning treatment BMP operation and maintenance.

Property owners must **retain an inspector acceptable to the City** to inspect the BMPs once a year, and must submit an inspection report to the City along with the fee established by the City's standard fee schedule. City inspectors may also visit the site to verify proper operation and maintenance of stormwater treatment BMPs.

1. QUALIFICATION GUIDELINES

A licensed wastewater treatment plant operator (State of California Grade 2 or higher) or a licensed professional civil engineer may perform inspections of any stormwater treatment BMP but must state in writing their own competence to do so.

The City may approve other persons to perform stormwater treatment BMP inspections, subject to the following guidelines.

TABLE O-1. Qualification Guidelines for Persons Conducting Stormwater Treatment BMP Inspections

<i>BMPs</i>	<i>Minimum Training and Experience</i>
<ul style="list-style-type: none"> ▪ Biofilters (including swales) ▪ Bioretention ▪ Retention/irrigation 	<ol style="list-style-type: none"> 1) An understanding of principles and practices of stormwater treatment by biofiltration/bioretention. 2) Familiarity with BMP maintenance requirements as described in the Stormwater Control Operation and Maintenance Plan. 3) A degree in engineering, environmental science, or related field and experience in the design, construction, or inspection of biofilters, bioretention, and retention/irrigation. <p style="text-align: center;">OR</p> <p>Two years experience in commercial/institutional building and grounds maintenance, including maintenance of landscaping, drainage, and irrigation.</p> <p style="text-align: center;">OR</p> <p>Equivalent combination of training and experience, including specific training in stormwater BMP inspection.</p>
<ul style="list-style-type: none"> ▪ Detention Basin ▪ Wet Pond ▪ Constructed Wetland 	<ol style="list-style-type: none"> 1) Understanding of principles and practices of stormwater treatment by detention. 2) Knowledge of the principles and practices of mosquito and vector control as applied to stormwater treatment devices. 3) Familiarity with BMP maintenance requirements as described in the Stormwater Control Operation and Maintenance Plan. 4) A degree in engineering, environmental science, aquatic ecology, or related field and experience in the design, construction, or inspection of detention basins, wet ponds, and wetlands. <p style="text-align: center;">OR</p> <p>Specialized training and experience in the management and maintenance of detention basins, wet ponds, and wetlands.</p>
<ul style="list-style-type: none"> ▪ Underground detention ▪ Sand filter (non-proprietary) ▪ Infiltration trench or basin 	<ol style="list-style-type: none"> 1) Understanding of principles and practices of filtration, stormwater infiltration, groundwater management, and prevention of groundwater pollution. 2) Knowledge of the principles and practices of mosquito and vector control as applied to stormwater treatment devices. 3) Familiarity with BMP maintenance requirements as described in the Stormwater Control Operation and Maintenance Plan. 4) A degree in engineering, hydrogeology, or related field and experience in the design, construction, or inspection of groundwater infiltration facilities. <p style="text-align: center;">OR</p> <p>Specialized training and experience in the management and maintenance of infiltration facilities.</p>
<p>Proprietary and manufactured facilities, including</p> <ul style="list-style-type: none"> ▪ Media filters ▪ Hydrodynamic devices ▪ Wet vaults ▪ Inlet filters ▪ Drain inserts 	<ol style="list-style-type: none"> 1) Knowledge of the principles and practices of mosquito and vector control as applied to stormwater treatment devices. 2) Familiarity with BMP maintenance requirements as described in the Stormwater Control Operation and Maintenance Plan. 3) Specialized training in operation and maintenance of the BMP and certification of training by the manufacturer (if available).