



City of Redwood City Stormwater Pollution Prevention Program

NPDES Permit Requirements Checklist

I. PROJECT DATA

Project Name _____ Project Address _____
 APN _____ - _____ - _____
 Applicant Name _____ Applicant Phone _____
 Applicant Address _____

Type of Development

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|--|--|
| <input type="checkbox"/> Residential ⁽¹⁾
<input type="checkbox"/> Commercial
<input type="checkbox"/> Industrial
<input type="checkbox"/> Mixed-Use
<input type="checkbox"/> Streets, Roads, Highways, Freeways, etc.
<input type="checkbox"/> Significant Redevelopment Project (as defined by STOPPP's NPDES permit Provision C.3.c.i.3) | <input type="checkbox"/> Site Area _____ (sq. ft.)
<input type="checkbox"/> Disturbed Area _____ (sq. ft.)*
<input type="checkbox"/> Existing Impervious Surface _____ (sq. ft.)
<input type="checkbox"/> New Impervious Surface (created, added and/or replaced) _____ (sq. ft.)**
<small>* If ≥ 1 acre (43,560 sq. ft.) of soil disturbance, please refer to Section III.
 ** If ≥ 1 acre (43,560 sq. ft.) of impervious surface is added and/or replaced, please refer to Sections IV and V. (This threshold is reduced for projects that are 10,000 sq. ft. or larger starting August 15, 2006.)</small> |
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II. MINIMUM REQUIREMENTS FOR ALL PROJECTS (Parts A, B, C, D, & E) – All projects must incorporate as many of the following measures as practical (check boxes that apply):

A. SITE DESIGN MEASURES

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| <input type="checkbox"/> Protect sensitive ⁽²⁾ areas and minimize changes to the natural topography.

<input type="checkbox"/> Minimize impervious surface areas.

<input type="checkbox"/> Minimize impervious areas from being directly connected to the storm drain system (e.g. direct roof downspouts to vegetated areas where feasible). | <input type="checkbox"/> Maximize permeability by preserving open space.

<input type="checkbox"/> Use permeable pavement surfaces where feasible.

<input type="checkbox"/> Use landscaping to treat stormwater.

<input type="checkbox"/> Use "Bay Friendly" landscape design, as indicated in "Bay-Friendly Landscape Guidelines - Sustainable Practices for the Landscape Professional". |
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B. SOURCE CONTROL MEASURES – Incorporate all applicable source control measures in Redwood City's Local Source Control Measures List.(available on our website at www.redwoodcity.org/engforms)

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| <input type="checkbox"/> A. Landscape & Pesticide Reduction Controls
<input type="checkbox"/> B. Labeling Storm Drain Inlets
<input type="checkbox"/> C. Parking Facilities Controls
<input type="checkbox"/> D. Pool & Spa Controls
<input type="checkbox"/> E. Food Service Equipment Controls
<input type="checkbox"/> F. Trash Areas Controls
<input type="checkbox"/> G. Outdoor Process Controls | <input type="checkbox"/> H. Outdoor Storage Controls
<input type="checkbox"/> I. Outdoor Vehicle Cleaning Facilities Control
<input type="checkbox"/> J. Vehicle/Equipment Repair & Maintenance Control
<input type="checkbox"/> K. Fuel Dispensing Area Controls
<input type="checkbox"/> L. Loading Dock Controls
<input type="checkbox"/> M. Miscellaneous Drains
<input type="checkbox"/> N. Marina Controls |
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C. PERMANENT STORMWATER TREATMENT CONTROL MEASURES

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| <input type="checkbox"/> Grassy vegetated swale | <input type="checkbox"/> Vegetated buffer strip |
| <input type="checkbox"/> Extended detention basin (dry) | <input type="checkbox"/> Constructed wetland |
| <input type="checkbox"/> Wet pond | <input type="checkbox"/> Manufactured drain insert (may not be used unless part of a multi-step treatment process) |
| <input type="checkbox"/> Media filter (sand, organic matter) | <input type="checkbox"/> Infiltration trench |
| <input type="checkbox"/> Vortex separator (commercially available in-line treatment unit) | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Bioretention area | |

D. EROSION and SEDIMENTATION CONTROL. If the project involves any land disturbance, project plans must incorporate all of the following requirements:

1. Stabilize all denuded areas and install and maintain all temporary erosion and sediment controls continuously between October 15th and April 15th of each year, until permanent erosion controls have been established.
2. Provisions for diverting on-site runoff around exposed areas and diverting off-site runoff around the site (e.g., swales and dikes).
3. Provisions for preventing erosion and trapping sediment on-site, such as sediment basins or traps, earthen dikes or berms, silt fences, check dams, storm drain inlet protection, soil blankets or mats, covers for soil stock piles, and/or other measures.
4. Provide notes, specifications, or attachments describing the following:
 - a) Construction, operation and maintenance of erosion and sediment control measures, including inspection frequency;
 - b) Methods and schedule for grading, excavation, filling, clearing of vegetation, and storage and disposal of excavated or cleared material;
 - c) Specifications for vegetative cover and mulch, including methods and schedules for planting and fertilization;
 - d) Provisions for temporary and/or permanent irrigation.

E. CONSTRUCTION BMPs. Project plans must incorporate all of the following BMPs as project notes. Additionally, project plan set must include STOPPP's Construction BMP page, available for download at www.redwoodcity.org/engforms

1. Store, handle, and dispose of construction materials and wastes properly, so as to prevent their contact with stormwater.
2. Control and prevent the discharge of all potential pollutants, including pavement cutting wastes, paints, concrete, petroleum products, chemicals, washwater or sediments, and non-stormwater discharges to storm drains and watercourses.
3. Use sediment controls or filtration to remove sediment when dewatering site and obtain all necessary permits.
4. Avoid cleaning, fueling, or maintaining vehicles on-site, except in a designated area where washwater is contained and treated.
5. Delineate with field markers clearing limits, easements, setbacks, sensitive or critical areas, buffer zones, trees, and drainage courses.
6. Protect adjacent properties and undisturbed areas from construction impacts using vegetative buffer strips, sediment barriers or filters, dikes, mulching, or other measures as appropriate.
7. Perform clearing and earth moving activities only during dry weather.
8. Limit and time applications of pesticides and fertilizers to prevent polluted runoff.
9. Limit construction access routes and stabilize designated access points.
10. Avoid tracking dirt or other materials off-site; clean off-site paved areas and sidewalks using dry sweeping methods.
11. The Contractor shall train and provide instruction to all employees and subcontractors regarding the construction BMPs.

III. CONSTRUCTION PROJECTS THAT DISTURB \geq 1 ACRE OF AREA — *For all projects with 1 acre or more of disturbed area, applicants must file a Notice of Intent (NOI) with the State Water Resources Control Board to obtain coverage under the State General Construction Activity NPDES Permit, and must prepare and implement a Storm Water Pollution Prevention Plan (SWPPP). Note: Completion of this checklist does not imply certification of the adequacy of the SWPPP by the municipality.*

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| <p>1. A copy of the project's NOI and SWPPP shall be submitted to the planning, building, or engineering department prior to issuance of a grading or building permit.</p> | <p>2. A copy of the project's NOI and SWPPP shall be kept on-site and made available for review by the municipal inspector upon request.</p> |
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IV. GROUP 1 PROJECTS: PROJECTS THAT ADD AND/OR REPLACE \geq 1 ACRE OF IMPERVIOUS SURFACE -
The following requirements apply to projects that add and/or replace 1 acre (43,560 sq. ft.) or more of impervious surface, and are therefore subject to the requirements of Provision C.3 of STOPPP's amended NPDES permit.

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| <p>1. Incorporate site design measures, as listed in Section II.A above.</p> <p>2. Incorporate all applicable source control measures listed in municipality's Local Source Control Measures List.</p> <p>3. Incorporate pesticide-reduction measures, such as using Integrated Pest Management.</p> <p>4. Enter into a maintenance agreement for ongoing implementation and maintenance of stormwater treatment control measures, as appropriate for the control measure.</p> <p>5. Treatment control measure design must be consistent with Vector Control Plan requirements.</p> | <p>6. Incorporate permanent stormwater treatment controls, as follows (see http://www.flowstobay.org/pdfs/bmp/Construction%20Series/stoppp_c3_handbook_final.pdf for more information):</p> <p><input type="checkbox"/> A flow-based treatment control hydraulically sized to manage the flow of runoff produced by a rain event equal to at least 0.2 inches per hour; or</p> <p><input type="checkbox"/> A volume-based treatment control hydraulically sized to capture 0.49 inches per acre.</p> |
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V. HYDROMODIFICATION MANAGEMENT⁽³⁾ – *In addition to the requirements under Section IV, Hillside Group 1 projects shall do Hydrograph Modification using one of the following: (generally, lands east of Alameda de las Pulgas are exempt and lands west are subject to hydromodification management requirements). The HMP is available at http://www.flowstobay.org/pdfs/bmp/Construction%20Series/stoppp_c3_handbook_final.pdf.)*

- The HMP per the BMP Handbook (See CASQA Website).
- Use a flow duration stormwater control measure designed such that post-project stormwater discharge rates and durations match pre-project discharge rates and durations. For sizing information, see Attachment "O" of Engineering Standards, Volume III, Design Criteria.

NOTES:

- (1) For single family residential, not part of a larger plan of development, see the City's "Design Guidelines for Residential Development".
- (2) "Sensitive" area is defined as any area in which plant life or their habitats are rare or especially valuable, including lakes, streams, wetlands, marshes, and coastal tide lands.
- (3) The following types of projects are exempt from the requirements for hydromodification management:
- A redevelopment project that does not increase the amount of impervious surface and the time of concentration of stormwater runoff.
 - A transit type of development within ¼ to ½ mile of a transit station and/or intermodal facility.
 - A project within a "Redevelopment Project Area" that redevelops an existing brownfield site or creates housing units affordable to persons of low or moderate income.

<p>Reviewed by:</p> <p>Planning: _____ date / /</p> <p>Engineering: _____ date / /</p>
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