



**Hydromodification Management (HM) Applicability Worksheet**

(To be completed by municipal staff, for projects that create and/or replace 43,560 sq. ft. or more of impervious surface. Definitions of terms in bold text are included on Page 2)

1. Date of Application: \_\_\_\_\_ Type of application:  parcel/tentative/vesting/tract map  
 site development review  building permit
2. Project Location or Address: \_\_\_\_\_, CA
3. Project Name (if applicable): \_\_\_\_\_
4. Applicant's Name: \_\_\_\_\_  
 Owner  Contractor  Engineer/Architect  Builder/Developer
5. Applicant's Phone: \_\_\_\_\_ 7a. Fax: \_\_\_\_\_ 7b. Email: \_\_\_\_\_
6. Parcel/Tract No.: \_\_\_\_\_ 8a. Lot No.: \_\_\_\_\_ 8b. APN # \_\_\_\_\_
7. Total Lot (or Parcel/Tract) Area in Sq.Ft: \_\_\_\_\_
8. Total amount of Impervious Surface Created and/or Replaced (obtain from the completed Impervious Surface Form): \_\_\_\_\_ sq. ft. *If the amount is less than 1 acre (43,560 sq. ft.), HM requirements do not apply, and this form is not needed.*

9. Is the project located in an area subject to the hydromodification management (HM) standard? See HM Control Areas map at [www.flowstobay.org/bs\\_new\\_development.php](http://www.flowstobay.org/bs_new_development.php).

**Check one:**

- Yes. *Skip to Question 11.*
- No. *Attach map, indicating project location. Skip to Question 12 and check 12a.*
- Further analysis required. *Continue to Question 10.*

10. If the following condition is met, the project is considered exempt from the HM standard.

**Check if condition is met:**

An engineer or qualified environmental professional has determined that runoff from the project flows only through a hardened channel or enclosed pipe along its entire length before emptying into a waterway in the exempt area. *(Attach signed statement by qualified professional. Skip to Question 12 and check 12a.)*

11. Does the project replace existing impervious surface (such as a building, parking lot, roadway, etc.) and is the total impervious area NOT increased from the pre-project condition?

- Yes. *The project is NOT required to incorporate HM measures. Go to Question 12 and check 12a.*
- No. *The project IS required to incorporate HM measures. Go Question 12, and check 12b.*

**Summary of Requirements**

12. Is the project...	<b>Yes (check one):</b>
12a. Exempt from HM requirements?	<input type="checkbox"/>
12b. Subject to HM requirements? <i>Project is subject to requirements in Provision C.3.g and Attachment E of the Municipal Regional Stormwater Permit, available for download at: <a href="http://www.flowstobay.org/ms_municipalities.php">www.flowstobay.org/ms_municipalities.php</a>.</i>	<input type="checkbox"/>

## Glossary of Terms

### *for the Hydromodification Management (HM) Applicability Worksheet*

Hydromodification - The modification of a stream's hydrograph, caused in general by increases in flows and durations that result when land is developed (e.g., made more impervious). The effects of hydromodification include, but are not limited to, increased bed and bank erosion, loss of habitat, increased sediment transport and deposition, and increased flooding.

Hydromodification management control area - The areas of HM applicability in Alameda County as shown in the HM map included in the Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit ("Municipal Regional Permit" or "MRP"). The map may be downloaded at [www.flowstobay.org/bs\\_new\\_development.php](http://www.flowstobay.org/bs_new_development.php).

Impervious surface - A surface covering or pavement of a developed parcel of land that prevents the land's natural ability to absorb and infiltrate rainfall/stormwater. Impervious surfaces include, but are not limited to, roof tops; walkways; patios; driveways; parking lots; storage areas; impervious concrete and asphalt; and any other continuous watertight pavement or covering. Landscaped soil and pervious pavement, including pavers with pervious openings and seams, underlain with pervious soil or pervious storage material, such as a gravel layer sufficient to hold at least the MRP Provision C.3.d volume of rainfall runoff are not impervious surfaces. Open, uncovered retention/detention facilities shall not be considered as impervious surfaces for purposes of determining whether a project is a Regulated Project under MRP Provisions C.3.b. and C.3.g. Open, uncovered retention/detention facilities shall be considered impervious surfaces for purposes of runoff modeling and meeting the Hydromodification Standard.

Municipal Regional Stormwater NPDES Permit - The San Francisco Bay Regional Water Quality Control Board's Order R2-2009-0074 issuing Waste Discharge Requirements and National Pollutant Discharge Elimination System (NPDES) Permit No. CAS612008, for the discharge of stormwater runoff from the municipal separate storm sewer systems (MS4s) of more than 70 municipalities in the San Francisco Bay Area, including the 21 municipalities within San Mateo County. The MRP may be downloaded at [www.flowstobay.org/ms\\_municipalities.php](http://www.flowstobay.org/ms_municipalities.php).