



King County

Water and Land Resources Division

Department of Natural Resources and Parks

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TO: Molly Johnson, Development Engineer, Department of Development and
Environmental Services

FM: Curt W. Crawford, Manager, Stormwater Services Section, Water and Land
Resources Division

RE: Sports (Athletic) Fields Water Quality Treatment Requirements

This memorandum updates guidance pertaining to water quality treatment required for sports (athletic) fields.

Sports fields (athletic fields) are defined as pollution-generating pervious surfaces in both the **2005 and 2009 King County Surface Water Design Manual (KCSWDM)**. No distinction is made between soil with live grass, and artificial turf with or without infill. Basic water quality treatment is required for all sports fields, whether soil and live grass, or artificial turf with or without infill.

In both the **2005 and 2009 KCSWDM**, *Enhanced Basic* treatment is required for specified land uses, but the Required Treatment Menu that defines applicability differs between the two manuals.

The **2005 KCSWDM** Required Treatment Menu lists specific commercial categories that require *Enhanced Basic* treatment. Sports fields are not listed.

Commercial land use is more broadly applied with regard to the *Enhanced Basic* treatment requirement in the **2009 KCSWDM**.

The **2009 KCSWDM 1.2.8.1.A Required Treatment Menu** requires *Enhanced Basic* treatment for:

1. Residential subdivision development in which the actual density of single family units is equal to or greater than 8 units per acre of developed area.
2. Commercial, industrial, or multifamily land use.
3. A road with an expected average daily traffic (ADT) count of 2,000 or more vehicles or expected to serve 200 or more homes. . . .

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Any sports field that is in a land use described in the 2009 KCSWDM Required Treatment Menu item 1 or 2 requires *Enhanced Basic* treatment.

Please let me know if you have any further questions related to this or other Surface Water Design Manual topics. I can be reached at 206-296-8329.

CC:DB:bgp13