

10.99: Forms

'96 FEB 12 AM8:45

DEP File No.

[Empty box for DEP File No.]

(To be provided by DEP)

Form 1

City/Town Seekonk.  
Applicant Seekonk DPW

*Commonwealth  
of Massachusetts*

**Request for a Determination of Applicability  
Massachusetts Wetlands Protection Act, G.L. c. 131, § 40**

1. I, the undersigned, hereby request that the Seekonk  
Conservation Commission make a determination as to whether the area, described below, or  
work to be performed on said area, also described below, is subject to the jurisdiction of the  
Wetlands Protection Act, G.L. c. 131, § 40.

2. The area is described as follows. (Use maps or plans, if necessary, to provide a description  
and the location of the area subject to this request.)

Location: Street Address Mink and Leavitt Streets, School Street

Lot Number: Town owned right of way

3. The work in said area is described below. (Use additional paper, if necessary, to describe the  
proposed work.)

See attached project description

310 CMR: DEPARTMENT OF ENVIRONMENTAL PROTECTION

10:99: continued

4. The owner(s) of the area, if not the person making this request, has been given written notification of this request on \_\_\_\_\_ (date)

The name(s) and address(es) of the owner(s):

Town of Seekonk  
C/O Seekonk DPW  
871 Taunton Avenue  
Seekonk, MA 02771

5. I have filed a complete copy of this request with the appropriate regional office of Massachusetts Department of Environmental Protection 2-6-96 (date)


DEP Northeast Regional Office  
10 Commerce Way  
Woburn, MA 01801

DEP Southeast Regional Office  
Lakeville Hospital  
Route 105  
Lakeville, MA 02347

DEP Central Regional Office  
75 Grove Street  
Worcester, MA 01605

DEP Western Regional Office  
State House West, 4th Floor  
436 Dwight Street  
Springfield, MA 01103

6. I understand that notification of this request will be placed in a local newspaper at my expense in accordance with Section 10.5(3)(b)1 of the regulations by the Conservation Commission and that I will be billed accordingly.

Signature  Name James Tusino  
Address Seekonk DPW  
871 Taunton Ave Tel. 508-336-7407  
Seekonk, MA 02771

## Project Overview:

The proposed project involves the remediation of highway stormwater runoff which currently enters the Runnins River unabated. This has resulted in high levels of contaminants within the Runnins River, and the closing of Hundred Acre cove to shell fishing. This application is for the continuation of an ongoing remediation program instituted by the Town of Seekonk. The overall program involves several phases, of which this is Phases II and III. Phase I (coliform bacteria reduction off Monarch Street) has been completed.

This project will involve the construction of a stormwater pollutant remediation system along Mead, Leavitt, Mink and School Streets in Seekonk, MA (See attached sheets). At the current time, all stormwater and snow melt enters the Runnins River by way of paved swales directly off the roadway.

Roadway runoff collects contaminants and deposits them in rivers, ponds, streams, and coastal water bodies. Such runoff contributes sediment, bacteria, heavy metals, and petroleum hydrocarbons to the waterway. Since runoff currently enters the Runnins River unabated, all pollutants transported via roadway runoff are deposited into the waterway.

In this phase of the Runnins River Pollutant Remediation Program, the Town of Seekonk proposes the construction of structural improvements to the stormwater system. This will include installation of traditional catch basins for the preliminary separation of coarser particles such as sand and grit, and leaching chambers for straining surface runoff prior to its introduction to the Runnins River. This system is intended to treat the "first flush" of stormwater.

The initial runoff or "first flush" (usually the first inch of stormwater runoff or less) generated from storm events contains the majority of pollutants associated with residential watersheds. Instead of discharging pollutants directly into the Runnins River, the mitigation project will incorporate the use of the leaching chambers and the surrounding soil to treat the "first flush".

At each location, road runoff will be diverted into a stormwater drain inlet with a settling basin to allow sediments and other solids to settle out. Storm drain inlets will be installed during the construction phase of the project. From the storm drain inlet, the stormwater is then piped under the road surface into leaching chambers. These chambers are precast, perforated concrete structures which are surrounded by crushed stone. Stormwater is temporarily stored in the chambers and in the voids between the crushed stone. It then gradually seeps into the surrounding soils.

Details of these structures are included with this Request for Determination of Applicability.

A portion of the work for this project would be within the 100 foot buffer zone under the Massachusetts Wetlands Act. Overflow pipes from the downstream basins would be equipped with flared ends and stone riprap. All outfalls would be constructed outside the wetland limits.