

Permit Writer Antidegradation Worksheet

Goal:

To fully protect uses attained on or after 11/28/75 and to avoid permitting high quality waters (both exceptional waters and waters with available conditions).

Definitions:

Degradation: The alteration of the properties of waters via the addition of pollutants or the removal of habitat.

De Minimis: Alterations, other than those resulting in the condition of pollution or new domestic wastewater discharges, that represent either a small magnitude or a short duration shall be considered a de minimis impact and will not be considered degradation. Discharges other than domestic wastewater will be considered de minimis if they are temporary or use less than five percent of the available assimilative capacity for the substance being discharged. If more than one activity has been authorized in a segment and the total of the impacts uses no more than ten percent of the assimilative capacity, available habitat, or 7Q10 flow, they are presumed to be de minimis.

Impairment: An assessment by the division that, based on the application of a dataset to a relevant criterion, that additional controls are needed to maintain any designated use. Controls imposed via the permit process are a function of the assessment basis.

PROCEDURE:

I. Fact Identification

Date Action Requested: 11/10/09
Permittee: Roane Co. STP
NPDES#: TN0024473
County: Roane EAC: K
Permitting Action (circle one): New Modification
Existing Design Flow: 1.0 MGD; Future Design Flow: 2.0 MGD
Receiving Stream Name and Mile:
Critical Low Flow: 7Q10: MGD; 1Q10 1519 MGD
Source of Flow Data: USGS #03520000
Waterbody ID: TN06010201001-1000
Water Quality Assessment (from assessment database):
Not supporting due to Polychlorinated biphenyls
Sources: Contaminated Sediments

Basis for the Assessment - Site Sources and Location of Information

Water Quality Protection Level (circle all that applies):

ONRW Available Conditions Unavailable Conditions Exceptional Tennessee Water

Source of Level Determination:

II. ONRW

Check here if NA

Will the proposed activity result in measurable degradation of existing water quality? *No*
If yes, then the discharge is not allowed. Propose permit denial. If no, explain basis of immeasurable:

one large farm will not enter

III. Available Conditions

Check here if NA

Parameters: Identify Relevant Parameters Where Conditions Are Available:

Alternatives Analysis: Have appropriate worksheets been submitted? If no, prepare letter requesting additional information. If yes, proceed with the next question.

Can the proposed activity be limited by permit terms and conditions so as to avoid degradation? If yes, then prepare draft permit and explain basis for no degradation in the fact sheet. If no, proceed to the next question.

Have all other reasonable alternatives to degradation (non-discharging options) been ruled out as not feasible? If no, then negotiate with the permittee or their representative a deadline for submittal of the necessary information. Propose permit denial if deadline not met. If yes, proceed to next question.

Is the water quality unavailable for some parameters? If yes, skip to Part IV. If no, proceed to next question.

Prepare a draft permit for the proposed activity developing permit limits on applicable effluent guidelines, technology treatment standards, and water quality standards. Summarize results of alternatives analysis in the permit fact sheet.

IV. Unavailable Conditions

Check here if NA

Parameters: Identify Relevant Parameters Where Conditions Are Unavailable:

Recreation (not available) - due to: Polychlorinated biphenyls, sources: Contaminated Sediments

Can the proposed activity be limited by permit terms and conditions so as to avoid degradation? If yes, then prepare draft permit and explain basis for no degradation in the fact sheet. If no, public notice a denial of the proposed permit action.

Permit Writer Completing Form (initials): SEF Date (dd/mm/yy) 03/02/2011

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To fulfill (both

11/10/09

Souraya,

This is an application for expansion to 2.0 MGD.

We have to ascertain the WQ status to determine if the alt. analysis is complete.

Please complete the worksheet then let's discuss the alt. analysis. Also, we need to ensure form 2A is complete.

Emily Kelly

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De Minimis:

Impairment:

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