



Town of Wallingford, Connecticut

PLANNING & STANDARDS DIVISION
AUG 11 2015

ROGER M. DANN
GENERAL MANAGER



DEPARTMENT OF PUBLIC UTILITIES
WATER & SEWER DIVISIONS
377 SOUTH CHERRY STREET
WALLINGFORD, CONNECTICUT 06492
TELEPHONE (203) 949-2666

July 29, 2015

Robert Hust
Department of Energy & Environmental Protection
Bureau of Water Protection and Land Reuse
79 Elm Street
Hartford, CT 06106-5127

Dear Mr. Hust:

RE: Proposed Stream Flow Classification – South Central Coastal River Basin

The Town of Wallingford Water Division offers the following comments regarding the referenced proposed stream flow classifications:

1. Section 26-141b-5.(a)(1) of the regulations specify that "A river or stream that is immediately downstream of an existing dam that impounds a public water supply source registered or permitted in accordance with section 22a-365 to 22a-378a of the Connecticut General Statutes...shall not be classified as Class 1 or 2;" At three of our four water supply reservoirs, the dam has more than one stream "immediately downstream" of the "existing dam".
 - a. Mackenzie Reservoir has a primary spillway and an emergency spillway, generally the water from the reservoir is discharged from the primary spillway, however during times of high flows water flows over the emergency spillway. The stream immediately downstream from the primary spillway, Muddy River has been classified as class 3, however the unnamed tributary to the Muddy River immediately downstream of the emergency spillway has been classified as class 1;
 - b. Ulbrich Reservoir has one primary spillway and a separate blow-off pipe at the center of the dam. In general, water released from the reservoir flows over the primary spillway to a tributary to Spring Brook; however water is also released from the blow-off from time to time into Spring Brook. The blow-off may also become the location for any future required releases. The stream immediately downstream of the primary spillway is classified as class 3, however the stream immediately downstream of the blow-off is classified as class 1;
 - c. Lanes Pond has a spillway that discharges to the south to an unnamed tributary to Branch Brook. In general, water released from the reservoir flows over this spillway, however during extreme rainfall events water from the reservoir could be released to the northwest over land to an unnamed tributary of the Farm

River. The stream immediately downstream of the spillway is classified as class 3, however the stream immediately downstream of the northwest release point is classified as class 1;

In order to address any possible confusion as to what releases are required to the streams "immediately downstream of an existing dam", we request that either:

- i. All streams immediately downstream of the public water supply source be classified as class 3,

Or,

 - ii. For Mackenzie Reservoir, Ulbrich Reservoir, and Lanes Pond DEEP designates in writing that the regulated stream segment "immediately downstream of an existing dam" is in each case the stream segment immediately downstream of the primary spillway.
2. A listing of existing and future potential sources was sent to the Planning & Standards Division of the CT-DEEP on December 23, 2014. Under the Potential Future Sources listed were the following:

a. Ground Water Source – Woodhouse Ave (Muddy River). This is a future potential well field that was identified as part of the Tyler Mill Reservoir Study and included in Wallingford's Water Supply Plan. The Town has made significant investments for this potential ground water source by performing said study and by acquiring land in the surrounding area. Level A Mapping for this potential well field has not been performed. It appears that the Muddy River where it crosses Woodhouse Avenue (CT Route 150) is classified as class 3.

We request that the classification of the streams tributary to the Muddy River in this area be subject to the requirement that; in the future, after Level A mapping is completed, all streams which "intersect a Level A aquifer protection area" will be re-classified as class 3.

b. Expansion of existing well fields – Quinnipiac River Aquifer. Similar to a. above, Level A mapping of any potential future expansion of our well fields has not been completed. This potential future supply is contained in our approved Water Supply Plan.

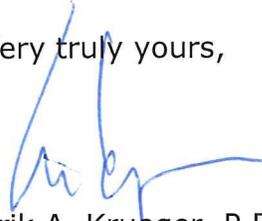
We request that the classification of the streams tributary to the Quinnipiac River in this area be subject to the requirement that; in the future, after Level A mapping is completed, all streams which "intersect a Level A aquifer protection area" will be re-classified as class 3.

c. North Haven Aquifer – Pine River and Muddy River. Similar to a. above, Level A mapping of this potential future well field previously identified in the approved Water Supply Plan has not been completed.

We request that the classification of the streams in this area be subject to the requirement that; in the future, after Level A mapping is completed, all streams which "intersect a Level A aquifer protection area" will be re-classified as class 3.

If you have any questions or require further details of the comments provided, you may contact me at 949-2672.

Very truly yours,



Erik A. Krueger, P.E.
Senior Engineer

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cc: Mayor William W. Dickinson, Jr.
Janis Small, Corporation Counsel
Robert Beaumont, Public Utilities Commissioner
George R. Adair, Director of Public Utilities
Roger M. Dann, General Manager
Richard J. Meskill, Assistant Water Superintendent
Richard C. Vanski, Water Superintendent