From: Cobb, Michael
To: "allan.palmer@nu.com"
Subject: Schiller questions
Date: Monday, March 18, 2013 4:28:00 PM

EPA continues to work on the reissuance of Schiller Stations NPDES permit. Based on the review of the October, 2008 report titled "Response to Environmental Protection Agency CWA §308 Letter, PSNH Schiller Station, Portsmouth, New Hampshire," EPA requests the following information:

1) Please provide further explanation why the installation of multi-disc screens would result in higher through-screen velocities especially when combined the Unit 3 renovations, since the Unit 3 renovations is reported to reduce intake velocity. EPA notes that for Merrimack Station, PSNH reported that the installation of multi-disc screens would reduce impingement mortality by 69% for Unit 1 and 80% for Unit 2.
2) Does Schiller Station normally run all 6 circulating pumps during generation and 3 pumps when on standby?
3) What construction material is used for the fish return pipes (i.e., fiberglass, PVC)?
4) Please provide further explanation why the installation of WIP screens would result in smaller screen surface area overall (and higher through-screen velocities) especially when combined the Unit 3 renovations, since the Unit 3 renovations is reported to reduce intake velocity.
5) Please provide an evaluation of a combined fish return system that connects both screen houses and engineered to transport fish away from the intake structures based on the direction of tidal flow.

Best,

Michael Cobb
Environmental Engineer
U.S. Environmental Protection Agency
5 Post Office Sq. Suite 100
Mail Code: OEP06-1
Boston, MA 02139-3912
(617) 918-1369