



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 1
5 Post Office Square, Suite 100
Boston, MA 02109-3912

FROM: John H. Nagle, Industrial Permits Section

TO: Schiller Station NPDES Permit File

DATE: January 26, 2018

RE: Schiller Station Outfalls-
Potential Impacts to Maine Waters

As part of the NPDES permit development process for Schiller Station, the EPA technical team considered potential impacts from the Schiller Station discharges to Maine's water resources, as governed by Maine's Water Quality Standards. Based on the following assessment, EPA determined that the discharge from Schiller Station as regulated by the new NPDES permit will not affect Maine's water quality.

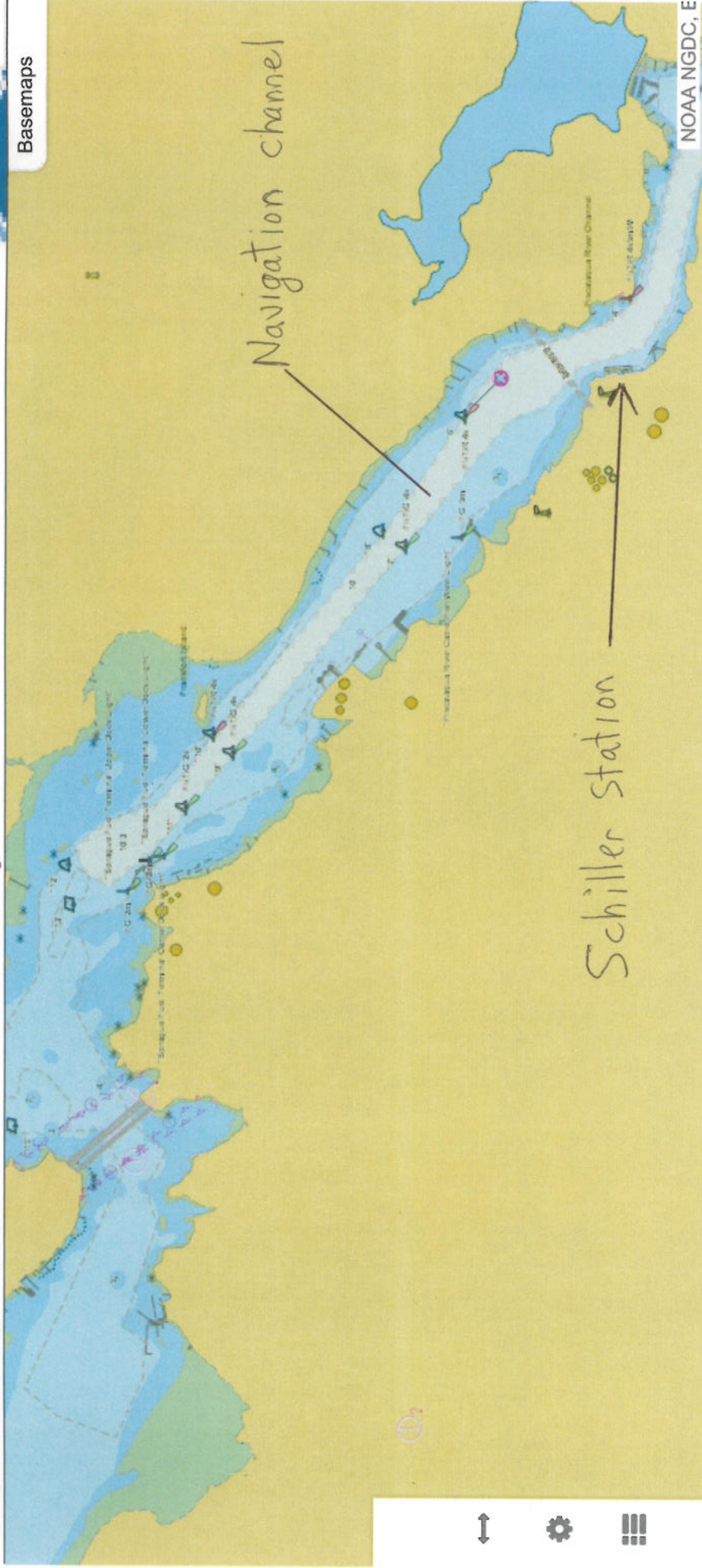
The width of the Piscataqua River in the vicinity of Schiller Station, from the New Hampshire bank to the Maine bank, is approximately 800 feet. The thermal discharge plume from Schiller Station extends from the New Hampshire bank of the Piscataqua River out approximately 200 feet into the river. *See* Fact Sheet Section 6.4.4. All other regulated outfalls from Schiller Station discharge at a much lower rate than the thermal discharge and, therefore, extend an even smaller distance into the river. The state boundary between New Hampshire and Maine runs along the middle of the Piscataqua River. The "Middle of the River" is defined as "the middle of the main channel of navigation of the Piscataqua River." *See New Hampshire v. Maine*, [426 U.S. 363](#) (1977). In the vicinity of Schiller Station, this boundary lies approximately 400 feet from the New Hampshire bank of the river, perpendicular to the shore line (Figure 1). Because of the high energy tidal currents of the Piscataqua River, the outward extent of the discharge plume from Schiller Station is expected to move down stream and become fully mixed well before reaching the state boundary with Maine waters in the Piscataqua River. Based on this assessment, the discharge from Schiller will not affect Maine's water quality.

Based on this review and EPA's conclusion that the permitted discharge by Schiller Station will not affect Maine's water quality, EPA does not need to provide notice to the State of Maine of the proposed permit under Clean Water Act Section 401(a)(2). Such notice is required when EPA determines that a discharge from one state may affect the quality of the waters of another state.

Figure 1

NOAA ENC® Viewer

Basemaps



43° 6' 31.9206", -70° 49' 42.2286"

0 0.2 0.4mi

Scale: 1 : 36111.909643