Department of Commerce and Labor

EER. BUREAU OF LIGHT-HOUSES

Washington

November 17, 1910.

Portsmouth Harbor
approaches.

The Inspector of

The First Light-House District,

Portland, Me.

Sir:

Referring to your letter of the 12th instant, inclosing a letter from the Boston Chamber of Commerce dated November 11, 1910, relative to changes in aids to navigation at the entrance to Portsmouth Harbor, N. H.,--

2. I have to request that in similar cases in future you submit your views in the form of recommendations.

3. The following is the result of a study of the matter in this office and I have to request that you consider and report thereon with recommendations:

Whaleback Light is 4th-order fixed white varied by flashes (a feeble light compared with an arc light, and has an obsolete characteristic). Recommend 4th-order white double flash every 10 sec., incandescent oil-vapor lamp. Flash would be equal to about 36,000 candles.

Fog signal is a 1st-class Daboll trumpet operated by 4-horse power Hornsby-Akroyd engine. 1st-class compressed-air siren recommended, to sound thus:

Blast	Silent interval	Blast	Silent interval
2 sec.	13 sec.	2 sec.	13 sec.

Portsmouth Harbor
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1st Inspr.

Portsmouth Harbor (Newcastle) Light is 4th-order fixed white, which needs to be seen only a comparatively short range. Recommend that it be made fixed red, with incandescent oil-vapor lamp to avoid reduction of intensity.

Kitts Rocks Bell Buoy, 2KR, is less than ½ mile from Whaleback Light and fog signal. In lighted, weather conditions which admit seeing its light would probably also leave Whaleback Light visible; changing to a lighted buoy therefore seems unnecessary, and changing to a whistling buoy is not recommended because of its proximity to the fog signal and the existence of another whistler about 5 miles NE'ly.

Gunboat Shoal Buoy, 1GS, marks approach from S'd; it is recommended that this be made a whistling buoy.

Wood Island Buoy, 2, lies ¼ mile from Whaleback Light-House; it is therefore unnecessary to change this to a bell buoy.

Respectfully,

[signature]

Commissioner.