1210

May 16, 1934.

Your letter of May 11 re Thomas Point Light Station.

Returned to Superintendent of Lighthouses, Baltimore, Md. The Bureau approves the installation of the 4th order fixed lens together with the suggested characteristic. The use of a 100 watt C.H. lamp materially reduces the candlepower. It is therefore suggested, if there is no other objection, that a 250 watt C.H. 32 volt P-25, L.H. lamp with C-5 filament be used, developing 19,000 candlepower white and 5,700 candlepower red light.

For the Commissioner:

C. A. PARK,
Chief Engineer.

FCH:MMS

DRESS ALL COMMUNICATIONS TO
SUPERINTENDENT OF LIGHTHOUSES
BALTIMORE, MD.

DEPARTMENT OF COMMERCE
LIGHTHOUSE SERVICE

1210

CHV:RLT

1934 MAY - 14 - AM 9:32

OFFICE OF SUPERINTENDENT, 5TH DISTRICT
BALTIMORE, MD.

May 11, 1934

Commissioner of Lighthouses,
Washington, D. C.

Subject: Thomas Point Light Station, Md.
Reference: Endorsement on Form 80 # 1210 dated Jan.30,1934.

1. On this recommendation as to aids to navigation the Bureau suggests that a 100 watt A 23 C.H. 32 volt lamp be used in the present lens.

2. There is now available at the Lazaretto Depot a 4th. order fixed lens in good condition. It is therefore recommended that this lens be installed in place of the revolving lens.

Fitted with the 100 watt C.H. Lamp the candlepower would be about 6400 for the white and 1800 for the red light; the same as at Wolf Trap, Va., and 5800 and 1700 respectively at Sandy Point, Md.

3. It is believed that the visibility of this light would then be ample for every purpose. The characteristic suggested for the fixed lens is 1 second light, 4 seconds eclipse. It now is 1.3 seconds light and 3.7 seconds eclipse. This change would result in saving approximately four fifths of the current that would be consumed with the flashing lens; and by using flashers of the W.&T. type in duplicate with relays to replace the clock mechanism, the service requirements on the lighting system would be greatly reduced.

L. M. HOPKINS

Superintendent of Lighthouses

IN REPLYING ADDRESS
COMMISSIONER OF LIGHTHOUSES
AND REFER TO DATE OF THIS
AND FILE NO.

LIGHTHOUSES
1934 JUN-14-AM 8:56

1910

DEPARTMENT OF COMMERCE
BUREAU OF LIGHTHOUSES
WASHINGTON

MAY 18 1934

May 16, 1934.

Your letter of May 11 re Thomas Point Light Station.

Returned to Superintendent of Lighthouses, Baltimore, Md. The Bureau approves the installation of the 4th order fixed lens together with the suggested characteristic. The use of a 100 watt C.H. lamp materially reduces the candlepower. It is therefore suggested, if there is no other objection, that a 250 watt C.H. 32 volt P-25, L.H. lamp with C-5 filament be used, developing 19,000 candlepower white and 5,700 candlepower red light.

For the Commissioner:

C. A. PARK,
Chief Engineer.

FCH:MMS

CHV:AHL.

Office of Superintendent, Fifth District,
Baltimore, Md. June 13, 1934.

1. Returned to Commissioner of Lighthouses.

wrote 5th 6-29-34

2. The objections are that this light will then be of greater intensity than Sandy Point Light Station, which is a key station with radio beacon and is fitted with 150 watt 110 volt lamp, also the increased current consumption.

3. It is, therefore, recommended that a 150 watt 32 volt lamp be installed, which should provide sufficient candlepower for all purposes. If this recommendation is approved, it is requested that the Bureau furnish specifications for the 150 watt 32 volt lamps of the most efficient type and also the candlepower obtained through the lens, as it is believed the 32 volt lamp is more efficient than the 115 volt lamp and the candlepower will be greater than at Sandy Point.

L. M. Hopkins
Superintendent of Lighthouses.

AHV

P
1210

June 29, 1934.

Superintendant of Lighthouses, Baltimore, Md.

1. With reference to your indorsement dated June 13, 1934, regarding the intensity of the Thomas Point Shoal Light Station:

2. The Bureau knows of no 150 watt, 32 volt lamp suitable for lens installation as all available lamps of this size have C-9 filament. The candlepower of the 100 watt, CH 32 volt, P 25, LH lamp of C-5 filament in the 4th order lens is 7,900. The present candlepower of Thomas Point Shoal Light Station is 11,000, and the change proposed reduces the candlepower. It was therefore suggested that the 250 watt, CH 32 volt lamp be used, increasing the candlepower to 19,000.

3. In view of your statement that Thomas Point Shoals should not have candlepower in excess of Sandy Point, owing to the relative importance of these stations, the Bureau withdraws its objection to the use of the 100 watt, CH 32 volt lamp, but requests that you consider the use of the 250 watt, G30, C-5 filament 110 volt lamp at Sandy Point, thereby increasing the candlepower to 9,700.

For the Commissioner:

C. A. PARK,
Chief Engineer.

FCH:HMS