

BANTLEMAN CONSULTING SERVICE INC.
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James R. Johnson
Chlor*rid International, Inc.
P.O. Box 908
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April 18, 2006

Re: Lighthouse Coatings

Dear Jim:

I apologize for my delay in responding to your request for photographs of the recoated cast iron light towers in Newfoundland and Labrador.

For your information, attached are photos of four repainted cast iron light towers. Canadian Coast Guard, Newfoundland Division undertook the work

The specification required a high-pressure water wash of the exterior and interior surfaces at 21-34.5 mpa (3000-5000 psi). The contractor used the **Chlor*Rid Liquid Soluble Salt Remover** at a rate of 2 parts per 100 parts of rinse water. This reduced the Chloride level from 30 micrograms per sq.cm (30 μ /cm²) to an acceptable level of 3 micrograms per sq.cm (3 μ /cm²) in one thorough wash!

Coating System Specification:

A. Exterior Surface:

Paint Cast Iron Bolted Plates, Copper Dome, Handrails, Catwalk, Supports & Exterior Door with the following:

Base Coat: Apply one (1) coat Elastomeric Polyurea Coating (100% volume solids), Colour Off White. Applied at 1.5 - 2.0 mm (60-80 mils) dft.

Top Coat: Apply one (1) coat Aliphatic Polyurethane Coating (73% volume solids), Colour to Shade. Applied at 0.05 - 0.10mm (2-4 mils) dft.

B. Interior Surface:

Paint Cast Iron Bolted Plates, Copper Dome, Interior Mullions, Sills, Headers, Lantern Room Floor and Ceiling at 3rd Landing Level, Structural Steel Supports, Interior Handrails, Interior Doors and all other Interior Metal Components with the following:

Base Coat: Apply one (1) coat Elastomeric Polyurea Coating (100% volume solids), Colour Off White. Applied at 1.0 - 1.5 mm (40-60 mils) dft.

Top Coat: Apply one (1) coat Aliphatic Polyurethane Coating (73% volume solids), Colour to Shade. Applied at 0.05 - 0.10mm(2-4mils) dft.

Please feel free to contact me if you should require additional information about this project.

Regards,

Anthony Bantleman



Photo #1: Lobster Cove Head Light Tower, est. 1897, cast iron tower. Rocky Harbour, NL.



Photo #2: Double Island Light Tower, est. 1905, cast iron tower. Off Battle Harbour, Labrador.



Photo #3: Hearts Content Light Tower, est. 1901, cast iron tower, Hearts Content, Trinity Bay, NL.



Photo #4: Bull Head Light Tower, est. 1908, cast iron tower, Bay Bulls, NL.