

March 6, 2009

Mr. Steve Sanford
Nova Scotia Environment
5151 Terminal Road, 5th Floor
P O. Box 697
Halifax, NS B3J 2T8

Dear Mr. Sanford

I am writing to formally register the Tufts Cove #6 Generating Station project as a Class 1 Registration under the Nova Scotia Environment Act. In the letter dated January 6, 2009 from Nova Scotia Environment, we were informed that the project will be considered a 'modification', as defined in the Environmental Assessment Regulations, of the existing power station at Tufts Cove and therefore designated a Class 1 undertaking. We have carried out a number of consultation activities for this project including a public open house on November 6, 2008.

Please accept the enclosed package as formal Registration of the Tufts Cove #6 Generating Station project. This package includes the following documentation consistent with the regulatory requirements:

- 32 copies of the covering letter, Registration form and supporting report
- A cheque to cover the \$9735.86 registration fee
- A CD with a pdf copy of the submission

We will be advertising in a local and provincial paper within 7 days of registration to give public notice of the Registration and we will provide formal proof of the advertisement. In addition, two sites have been selected and approved by you for public viewing of the registration materials.

If you have any further questions or requirements regarding this project please contact me at your convenience.

Yours truly,



Terry Toner
Director, Environmental Services

Encl (34)

REGISTRATION
in accordance with
Environmental Assessment Regulations under the
Nova Scotia Environment Act

- Name of Undertaking:** Tufts Cove 6 Waste Heat Recovery Project
- Location of Undertaking:** Tufts Cove Generating Station, Dartmouth, Nova Scotia
- Proponent:** Nova Scotia Power Incorporated (NSPI)
P. O. Box 910
Halifax, N.S., B3J 2W5
President & Chief Executive Officer, Rob Bennett
Director, Environmental Services, Terry Toner
Primary Contact – Ken Meade, Manager, Environmental Services
- Nature of Undertaking:** NSPI is planning to upgrade its generation fleet at the Tufts Cove power plant. The proposed Tufts Cove 6 will be a 50 megawatt heat recovery steam generator that utilizes waste heat from Units 4 & 5 to create a combined cycle operation. Twenty-five megawatts will come from waste heat. The additional 25 megawatts will come from supplemental duct-firing using natural gas. The new system includes two boilers and a condensing steam turbine generator.
- Purpose of Undertaking:** The impetus of the project is to:
- capitalize on efficiency potentials within the generation fleet
 - increase capacity while decreasing intensity of emissions per unit of energy produced
 - facilitate the expansion of NSPI's renewable generation portfolio by increasing the ability to accommodate additions of intermittent supply sources (e.g. wind power)
 - provide fast-response backup generation.
 - increase the reliability of NSPI's service
- Construction Schedule:** The project would be built with the following general dates:

Construction commencement – Spring/Summer 2009
In Service – November 2010
- Operation Schedule:** The unit would begin operation as soon as construction and commissioning are complete. Operation will be variable including any time of day or night.

Undertaking Description: Information is to follow in this document entitled: Registration Document by Nova Scotia Power Inc. in support of the Tufts Cove 6 Waste Heat Recovery project under the *Nova Scotia Environment Act*.

Required Approvals:

- Nova Scotia Environmental Assessment Approval
- Nova Scotia Environment Construction Approval
- Amendment to Tufts Cove Industrial Operating Approval, NS Environment Act
- Fire Code, Fire Marshall

Public Funding: There is no public funding for this project.