

**Indeck Maine Energy, LLC
Penobscot County
West Enfield, Maine
A-91-70-B-A**

**Departmental
Findings of Fact and Order
Part 70 Air Emission License
Amendment #1**

After review of the Part 70 Section 502(b)(10) Change application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A, Section 344 and Section 590, the Department finds the following facts:

I. Registration

A. Introduction

FACILITY	Indeck Maine Energy, L.L.C. –West Enfield (IMEWE)
INITIAL LICENSE NUMBER	A-91-70-A-I
LICENSE TYPE	Part 70 Section 502(b)(10) Change
NAIC CODES	4911
NATURE OF BUSINESS	Electrical power generation
FACILITY LOCATION	Route 2, West Enfield, Maine
DATE OF INITIAL LICENSE ISSUANCE	September 5, 2001
DATE OF PART 70 MINOR CHANGE	March 11, 2004
LICENSE EXPIRATION DATE	September 5, 2006

B. Description of Part 70 Section 502(b)(10) Change

IMEWE has requested a Part 70 Section 502(b)(10) Change to perform routine maintenance, repair and replacement activities on the boiler and pollution control equipment. Since start-up, the boiler has experienced relatively rapid deterioration of certain internal components. The deterioration is such that a number of components have needed replacement every year or two. It has been determined that the primary cause of the rapid deterioration is the relatively high velocity of the circulating air in the boiler which creates a sand-blasting effect. The high velocity of the air also creates relatively high carry-over in the boiler hopper which reduces the availability and reliability of the particulate removal equipment, including the multi-clones. The following items will be replaced or altered as part of the plant's regular maintenance programs to replace worn parts: Primary and secondary superheaters, economizer, fuel feed system, radiant waterwalls, convection waterwalls, furnace refractory, air preheater, multicyclone, U-beams and sootblowers. A detailed description of the changes may be found in the Part 70 Section 502(b)(10) Change application.

These changes will not increase the maximum design heat input capacity of the boiler and will not increase the lb/MMBtu or lb/hr emission rates. The boiler is currently subject to 40 CFR Part 60, Subpart Db and was originally permitted pursuant to the State's EPA-approved Prevention of Significant Deterioration (PSD) permitting requirements, which included BPT/BACT and ambient air quality modeling.

C. Application Classification

The application for IMEWE changes no license conditions and all existing emission rates and methods for demonstrating compliance are still in effect. This change is considered to be a Part 70 Section 502(b)(10) Change issued under Chapter 140 of the Department's regulations for a Part 70 source and has been processed as such.

ORDER

The Department hereby grants Part 70 Section 502(b)(10) Change A-91-70-B-A, subject to the conditions found in Part 70 License A-91-70-A-I.

DONE AND DATED IN AUGUSTA, MAINE THIS DAY OF 2004.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
DAWN R. GALLAGHER, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-91-70-A-I.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: February 17, 2004

Date of application acceptance: February 24, 2004

Date filed with the Board of Environmental Protection _____

This Order prepared by Mark E. Roberts, Bureau of Air Quality.