DISCLAIMER

The full text of certain NPDES permits and the associated fact sheets has been made available to provide online access to this public information. EPA is making permits and fact sheets available electronically to provide convenient access for interested public parties and as a reference for permit writers. The ownership of these documents lies with the permitting authority, typically a State with an authorized NPDES program.

While EPA makes every effort to ensure that this web site remains current and contains the final version of the active permit, we cannot guarantee it is so. For example, there may be some delay in posting modifications made after a permit is issued. Also note that not all active permits are currently available electronically. Only permits and fact sheets for which the full text has been provided to Headquarters by the permitting authority may be made available. Headquarters has requested the full text only for permits as they are issued or reissued, beginning November 1, 2002.

Please contact the appropriate permitting authority (either a State or EPA Regional office) prior to acting on this information to ensure you have the most up-to-date permit and/or fact sheet. EPA recognizes the official version of a permit or fact sheet to be the version designated as such and appropriately stored by the respective permitting authority.

The documents are gathered from all permitting authorities, and all documents thus obtained are made available electronically, with no screening for completeness or quality. Thus, availability on the website does not constitute endorsement by EPA.

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI
GOVERNOR

DAWN R. GALLAGHER
COMMISSIONER

Mr. Gonzalo Garcia
Plant Manager
Casco Bay Energy Company, LLC.
Maine Independence Station
125 Shore Road
Bangor, Maine 04402

November 12, 2003

RE: Maine Waste Discharge License (WDL) Application #W008016-5O-C-R
Maine Pollutant Discharge Elimination System (MEPDES) Permit #ME0036188
Final Permit/License

Dear Mr. Garcia:

Enclosed please find a copy of your **final** MEPDES permit/WDL which was approved by the Department of Environmental Protection. You must follow the conditions in the permit/license to satisfy the requirements of law. Any discharge not receiving adequate treatment is in violation of State Law and is subject to enforcement action.

Any interested person aggrieved by a Department determination made pursuant to applicable regulations, may appeal the decision following the procedures described in the attached DEP FACT SHEET entitled "*Appealing a Commissioner's Licensing Decision.*"

We would like to make you aware of the fact that your monthly Discharge Monitoring Reports (DMR) may not reflect the revisions in this permitting action for several months. However, you are required to report applicable test results for parameters required by this permitting action that do not appear on the DMR. Please see the attached April 2003 O&M Newsletter article regarding this matter.

If you have any questions regarding the matter, please feel free to call me at 287-7693.

Sincerely,

Gregg Wood
Division of Water Resource Regulation
Bureau of Land and Water Quality

Enc.
cc: Tanya Hovell, DEP/EMRO
Ted Lavery, USEPA

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE HOUSE STATION 17 AUGUSTA, MAINE 04333

DEPARTMENT ORDER

IN THE MATTER OF

CASCO BAY ENERGY COMPANY, LLC.	)	MAINE POLLUTANT DISCHARGE
VEAZIE, PENOBSCOT COUNTY, MAINE	)	ELIMINATION SYSTEM PERMIT
ELECTRICAL GENERATING STATION	)	AND
ME0036188	)	WASTE DISCHARGE LICENSE
W008016-50-C-R **APPROVAL**	)	**RENEWAL**

Pursuant to the provisions of the Federal Water Pollution Control Act, Title 33 USC, Section 1251, et seq. and Maine Law, 38 M.R.S.A., Section 414-A et seq., and applicable regulations, the Department of Environmental Protection (Department) has considered the application of CASCO BAY ENERGY COMPANY, L.L.C. (CBEC) with its supportive data, agency review comments, and other related materials on file, and FINDS THE FOLLOWING FACTS:

APPLICATION SUMMARY

The applicant has applied for renewal of its combination Maine Pollutant Discharge Elimination System (MEPDES) permit #ME0036188 and Waste Discharge License (WDL) #W008016-50-A-N, which was issued on August 24, 1998, modified on December 13, 2001 and expired on August 28, 2003. The previous permitting/licensing actions approved the discharge of up to 1.96 million gallons per day (MGD) of miscellaneous waste waters from a combined cycle natural gas-fired electrical generating facility to the Penobscot River, Class B, in Veazie, Maine. The waste waters discharged include 0.530 million gallons per day (MGD) of sand filter backwash, 0.018 MGD of demineralization system ion exchange regeneration water, and 1.41 MGD of cooling water blowdown which includes 0.091 MGD of boiler blowdown. The permittee has indicated in their application for renewal of the MEPDES permit/WDL that they are not requesting any changes in the terms and conditions of the previous permit.

PERMIT SUMMARY

This permitting action is carrying forward all the terms and conditions of the 12/13/01 MEPDES permit/WDL action with the following exception:

1) Incorporating a footnote for pH stating that the discharge may be outside of the limitation range of 6.0 – 9.0 standard units if the cause is due to the ambient pH of the intake water (Penobscot River) being outside of that range. Under these circumstances, the discharge from the power plant may not be more than 0.5 standards units different than the ambient pH.

2) Incorporating miscellaneous boilerplate language throughout the document to be consistent with other MEPDES permits/WDLs recently issued by the Department.

3) Reducing the monitoring frequency for total residual oxidants (TRO) from 1/Day to 1/Week.

CONCLUSIONS

BASED on the findings in the attached Fact Sheet dated October 10, 2003, and subject to the Conditions listed below, the Department makes the following CONCLUSIONS:

1. The discharge, either by itself or in combination with other discharges, will not lower the quality of any classified body of water below such classification.

2. The discharge, either by itself or in combination with other discharges, will not lower the quality of any unclassified body of water below the classification which the Department expects to adopt in accordance with state law.

3. The provisions of the State's antidegradation policy, 38 M.R.S.A., Section 464(4)(F), will be met, in that:

   a. Existing in-stream water uses and the level of water quality necessary to protect and maintain those existing uses will be maintained and protected;

   b. Where high quality waters of the State constitute an outstanding national resource, that water quality will be maintained and protected;

   c. The standards of classification of the receiving water body are met or, where the standards of classification of the receiving water body are not met, the discharge will not cause or contribute to the failure of the water body to meet the standards of classification;

   d. Where the actual quality of any classified receiving water body exceeds the minimum standards of the next highest classification, that higher water quality will be maintained and protected; and

   e. The discharge will be subject to effluent limitations that require application of best practicable treatment.

4. The discharge will be subject to effluent limitations that require application of best practicable treatment.

ACTION

THEREFORE, the Department APPROVES the above noted application of CASCO BAY ENERGY COMPANY LLC., to discharge cooling tower blowdown, boiler blowdown, sand filter backwash, demineralization system ion exchange regeneration water, and cooling tower cleaning waste waters to the Penobscot River, Class B, SUBJECT TO THE ATTACHED CONDITIONS, and all applicable standards and regulations, including:

1. "Maine Pollutant Discharge Elimination System Permit Standard Conditions Applicable To All Permits," revised July 1, 2001, copy attached.

2. The attached Special Conditions, including any effluent limitations and monitoring requirements.

3. This permit expires five (5) years from the signature date below.

DONE AND DATE AT AUGUSTA, MAINE, THIS 10TH DAY OF November, 2003.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____ for
DWAN GALLAGHER, Commissioner

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt to application: February 20, 2003.

Date of application acceptance: February 21, 2003.

FILED
NOV 13 2003
BOARD OF ENVIRONMENTAL PROT.
STATE OF MAINE

Date filed with Board of Environmental Protection _____

This order prepared by Gregg Wood, BUREAU OF LAND AND WATER QUALITY
W801650c 11/10/03

SPECIAL CONDITIONS

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning effective date of this permit and lasting through permit expiration, the permittee is authorized to discharge **cooling tower blowdown, cooling tower cleaning waters, boiler blowdown, sand filter backwash and demineralization system ion exchange regeneration waters** from **Outfall #001B** to the Penobscot River. The discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	Monthly Average as specified	**Daily Maximum** As specified	**Monthly Average** as specified	**Daily Maximum** as specified	**Measurement Frequency** as specified	**Sample Type** as specified
Flow [50050]	---	---	---	1.96 MGD [03]	Continuous [99/99]	Measure [MS]
Temperature, °F [00011]	---	---	---	100°F [15]	Continuous [99/99]	Measure [MS]
Total Residual Oxidants [34044]	---	---	0.2 mg/L [19]	0.5 mg/L [19]	1/Week [01/07]	Grab [GR]
Total Suspended Solids [00530]	137 lbs/day [26]	457 lbs/day [26]	30 mg/L [19]	100 mg/L [19]	1/Month [01/30]	Grab [GR]
Zinc (Total) [01092]	---	12 lbs/day [26]	---	1.0 mg/L [19]	1/Quarter [01/90]	Grab [GR]
Oil and Grease [03852]	---	---	15 mg/L [19]	20 mg/L [19]	1/Quarter [01/90]	Grab [GR]
Chromium (Total) [01034]	---	1.04 lbs/day [26]	---	0.2 mg/L [19]	1/Quarter [01/90]	Grab [GR]
Copper (Total) [01042]	---	1.04 lbs/day [26]	---	1.0 mg/L [19]	1/Quarter [01/90]	Grab [GR]
pH [00400]	The pH shall be ≥ 6.0 and ≤ 9.0 at any time.(1)				1/Quarter [01/90]	Grab [GR]

SPECIAL CONDITIONS

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont'd)

Footnotes:

Sampling Location: With the exception of flow and temperature, sampling for all parameters for Outfall #001B shall be collected prior to the discharge from the weir structure to the receiving waters.

Any change in sampling location must be approved by the Department in writing.

Sampling –Sampling and analysis must be conducted in accordance with; a) methods approved in 40 Code of Federal Regulations (CFR) Part 136, b) alternative methods approved by the Department in accordance with the procedures in 40 CFR Part 136, or c) as otherwise specified by the Department. Samples that are sent out for analysis shall be analyzed by a laboratory certified by the State of Maine's Department of Human Services.

(1) The pH of the discharge from the facility may be outside of the range of 6.0 – 9.0 standard units provided it is not more than 0.5 standard units outside of the background pH of the intake water for the facility at the time of sampling or 0.5 standards units outside the limitation range of 6.0 –9.0 standard units. To determine compliance with this provision, the permittee must sample and document the ambient pH of the intake water if a pH result of the discharge is reported outside of the range limitation of 6.0 – 9.0 standard units.

B. NARRATIVE EFFLUENT LIMITATIONS

1. There shall be no discharge of polychlorinated biphenyl compounds (PCB's) such as those commonly used for transformer fluid.

2. The effluent shall not contain a visible oil sheen, foam or floating solids at any time which would impair the usages designated by the classification of the receiving waters.

3. The effluent shall not contain materials in concentrations or combinations which are hazardous or toxic to aquatic life, or which would impair the usages designated by the classification of the receiving waters.

4. The discharge shall not cause visible discoloration or turbidity in the receiving waters which would impair the usages designated by the classification of the receiving waters.

5. Notwithstanding specific conditions of this permit, the effluent must not lower the quality of any classified body of water below such classification, or lower the existing quality of any body of water if the existing quality is higher than the classification.

SPECIAL CONDITIONS

C. METAL CLEANING WASTES

The chemical metal cleansing wastes generated when cleaning the heat recovery steam generator will be transported off site for proper disposal/treatment pursuant to all applicable federal, state, and local laws and regulations.

D. COOLING TOWER CLEANING WASTES

The cooling tower solids shall be removed and disposed of off-site pursuant to all applicable federal, state, and local laws and regulations.

E. CHLORINATION

Chlorine or bromine based compounds may be used as a biocide. The use of any other biocide requires prior written approval by the Department. The term chlorine or any other form of the word as used in this permit, shall include bromine or the equivalent form of the term bromine.

F. NOTIFICATION REQUIREMENT

In accordance with Standard Condition D, the permittee shall notify the Department of any substantial change in the volume or character of pollutants being discharged.

G. UNAUTHORIZED DISCHARGES

The permittee is authorized to discharge only in accordance with the terms and conditions of this permit and only from Outfall 001B. Discharges of waste water from any other point source are not authorized under this permit, but shall be reported in accordance with Standard Condition B(5)(Bypass) of this permit.

H. MONITORING AND REPORTING

Monitoring results shall be summarized for each month and reported on separate Discharge Monitoring Report (DMR) forms provide by the Department and **postmarked on or before the thirteenth (13th) day of the month or hand-delivered to a Department Regional Office such that the DMR's are received by the Department on or before the fifteenth (15th) day of the month** following the completed reporting period. A signed copy of the DMR and all other reports required herein shall be submitted to the following address:

Bureau of Land and Water Quality
Department of Environmental Protection
106 Hogan Road
Bangor, Maine 04401

SPECIAL CONDITIONS

I. REOPENING OF PERMIT FOR MODIFICATIONS

Upon evaluation of test results required by Special Condition A of this permit, new site specific information or any other test results or information gathered during the term of this permit, the Department may, at anytime and with notice to the permittee, modify this permit to: (1) include effluent limits necessary to control specific pollutants or whole effluent toxicity where there is a reasonable potential that the effluent may cause water quality criteria to be exceeded: (2) require additional effluent or ambient water quality monitoring if results on file are inconclusive; or (3) change monitoring requirements or limitations based on new information.