



CHARLES CENTER • P.O. BOX 1475 • BALTIMORE, MARYLAND 21203

ELECTRIC ENGINEERING  
DEPARTMENT

April 16, 1982

Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555



Attn: Mr. Robert A. Clark, Chief  
Operating Reactors Branch #3  
Division of Licensing

Subject: Calvert Cliffs Nuclear Power Plant  
Unit No. 1 & 2, Docket No. 50-317 & 50-318  
Supplementary Information to Request for Amendment

Reference: BG&E letter dated 4/8/82 from A. E. Lundvall, Jr. to R. A. Clark,  
Request for Amendment

Gentlemen:

The referenced letter contains our request to amend the Calvert Cliffs Environmental Technical Specifications to delete those portions pertaining to water quality monitoring, which have been determined to be under the exclusive jurisdiction of the Environmental Protection Agency.

The purpose of this letter is to provide supplementary support information as requested by our NRC Project Manager and to emphasize the need for prompt NRC action on this request.

The current monitoring program is scheduled to conclude on June 1, 1982. In order to preclude the need to arrange for a continuation of the program for the remainder of 1982, we request review and approval of the referenced request prior to May 14, 1982. The estimated cost of extending the monitoring program through the end of 1982 is \$575,000 with an expenditure of 19,000 man-hours.

To facilitate your review of the referenced request, we are enclosing a copy of our current NPDES Permit and a copy of the Yellow Creek decision, upon which our request is based. The precedent for our request was set in the Yellow Creek Nuclear Plant proceeding in which water quality monitoring requirements, sought by the NRC Staff as an operating license condition, were deemed to be under the exclusive jurisdiction of the Environmental Protection Agency. We understand that NRC has previously moved to eliminate the monitoring requirements in question from a number of other nuclear facilities. We have the names of the parent utilities for those plants and will be pleased to refer them to you if you so desire.

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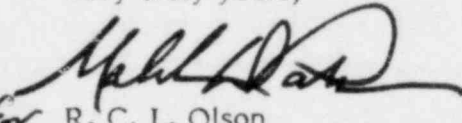
April 16, 1982

Section I.E. of the attached NPDES Permit documents the compliance of the Calvert Cliffs once-through cooling system design with applicable regulations. This compliance finding is based on a review of 7 years of preoperational data and 5 years of operational data and concludes that no further biological monitoring is required. Therefore, Section 3.1, Non-Radiological Surveillance, should be eliminated from the Technical Specifications. Additionally, Section II.A of the NPDES Permit provides reporting requirements. Therefore, and because the monitoring requirements covered by these reports should be eliminated from the Technical Specifications, Sections 5.6.1.a (Part A), Nonradiological Report, and 5.6.2.a, Nonroutine Environmental Operating Reports, should likewise be eliminated from the Technical Specifications.

Again, we wish to emphasize the need for your prompt action on this request, and we trust that the above information provides clear guidance as to the justification and precedence for the request. If, for any reason, you determine that you will not be able to grant this change by the requested date (5/14/82), we request that you alert our management immediately.

We have determined that this letter constitutes supplemental information to a previous request and, pursuant to 10 CFR 170, no additional fee is required.

Very truly yours,

  
for R. C. L. Olson  
Principal Engineer  
Nuclear Licensing & Analysis Unit

RCLO:gvv

Enclosures

cc: Messrs.	J. A. Biddison, Jr.	(w/encl.)
	G. F. Trowbridge, Esq.	"
	D. H. Jaffe	"
	R. E. Architzel	"



OFFICE OF THE SECRETARY  
DEPARTMENT OF HEALTH AND MENTAL HYGIENE  
201 WEST PRESTON STREET • BALTIMORE, MARYLAND 21201 • Area Code 301 • 383-7328  
Harry Hughes, Governor Charles R. Buck, Jr., Sc.D. Secretary

February 1, 1982

CERTIFIED MAIL  
Return Receipt Requested

Baltimore Gas & Electric Company  
P. O. Box 1476  
Baltimore, Maryland 21203

Dear Sir:

Enclosed is your validated State Discharge Permit No. 79-DP-0137 which will be in force on its effective date. The permittee is responsible for complying with all permit conditions. Accordingly, you are advised to carefully read this permit and become thoroughly familiar with its requirements.

If you find this permit unacceptable you must request a reconsideration within 30 days of the effective date of the permit. The request must be in writing to me and must specify reasons sufficient to justify such a reconsideration.

Enclosed are the required number of Discharge Monitoring Report Forms and Removed Substance Reporting Form to be filled out and submitted according to the requirements of your permit. After the effective date of the permit, please refer all future reports and correspondence to the following:

Office of Environmental Programs  
Waste Management Administration  
201 West Preston Street  
Baltimore, Maryland 21201

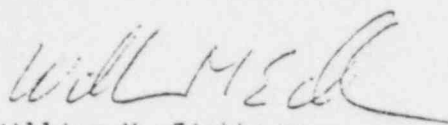
ATTENTION: Industrial Waste Division

Baltimore Gas & Electric Company  
Page 2

In addition you will find enclosed a copy of the Federal Register which contains the guidelines establishing Test Procedures For Analysis of Pollutants. These guidelines are to be used for analyzing for the required monitoring data.

If you have any other questions, please communicate with Mr. John Veil at 301-383-5670.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Will M. Eichbaum". The signature is fluid and cursive, with the first name "Will" and last name "Eichbaum" clearly distinguishable.

William M. Eichbaum  
Assistant Secretary for  
Environmental Programs

WME:vvg

Enclosures

cc: Mr. Ronald Nelson



DEPARTMENT OF HEALTH AND MENTAL HYGIENE

201 WEST PRESTON STREET • BALTIMORE, MARYLAND 21201 • Area Code 301 • 333-

Harry Hughes, Governor

Charles R. Buck, Jr., Sc.D. Secretary

DISCHARGE PERMIT

State Discharge Permit Number	79-DP-Q187
NPDES Permit Number	MD0002399
Effective Date	February 3, 1982
Expiration Date	December 31, 1986

Pursuant to the provisions of Title 8 of the Natural Resources Article, Annotated Code of Maryland (1974 Volume) as amended and regulations promulgated thereunder and the provisions of the Federal Water Pollution Control Act Amendments of 1977 (33 U.S.C. Section 466 et. seq.) and implementing regulations 40 C.F.R. Parts 122, 123, 124 and 125, the Department of Health and Mental Hygiene hereinafter referred to as "DHMH" hereby authorizes

Baltimore Gas and Electric Company  
P.O. Box 1475  
Baltimore, Maryland 21203

TO DISCHARGE FROM

Calvert Cliffs Nuclear Power Plant

LOCATED AT

Lusby, Calvert County, Maryland

VIA OUTFALLS

001, 002, 003, and 004 as identified and described herein

TO

the Chesapeake Bay which is protected for shellfish harvesting

in accordance with the following special and general conditions,  
and map made a part hereof.

# 1. Special Conditions

## A1. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Beginning on the effective date of the permit and lasting through December 31, 1986 the permittee is authorized to discharge from outfall(s) serial number(s) 001 consisting of main cooling discharge.

Such discharges shall be limited and monitored at the discharge conduit by the permittee as specified below:

<u>Constituent</u>	<u>Effluent Limitations</u>			<u>Monitoring Requirements</u>		
	kg/day(lbs/day)			Measurement Frequency	Sample Type	
	Monthly Avg.	Daily Max.	Other Units(Specify)			
Flow-M <sup>3</sup> /Day(MGD)	N/A	N/A	Monthly Avg.	N/A	Continuous	Recorded
Temperature	N/A	N/A	Monthly Avg.	N/A	Continuous	Recorded
Temperature Increase Across Condensers	N/A	N/A	Monthly Avg.	6.7 °C(12°F)	1/Hour	Calculated
Heat	N/A	N/A	Monthly Avg.	1.5x10 <sup>10</sup> BTU/Hour	1/Month	Calculated
Dissolved Oxygen	N/A	N/A	Monthly Avg.	N/A	1/Day	Grab

There shall be no discharge of floating solids or persistent foam in other than trace amounts. Persistent foam is foam that does not dissipate within one-half hour of travel from point of discharge.



I. Special Conditions

## A2. MONITORING REQUIREMENTS

Beginning on the effective date of this permit and lasting through December 31, 1986 the intake shall be monitored by the permittee as specified below:

<u>Characteristic</u>	<u>Monitoring Requirement</u>	
	Measurement Frequency	Sample Type
Temperature	Continuous	Recorded
Dissolved Oxygen	Continuous	Recorded
Salinity	Continuous	Recorded

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: within the intake embayment.

I. Special Conditions

## A3. EFFLUENT LIMITATIONS and MONITORING REQUIREMENTS

Beginning on effective date of permit and lasting through December 31, 1986 the permittee is authorized to discharge from outfall(s) serial number(s) 001-monitoring point 101 consisting of sanitary waste.

Such discharges shall be limited and monitored at a point prior to entrance into 001 by the by the permittee as specified below:

<u>Constituent</u>	<u>Effluent Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day(lbs/day)	Other Units(Specify)			Measurement Frequency	Sample Type
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.		
Flow-M <sup>3</sup> /Day(MGD)	N/A	N/A	N/A	N/A	Continuous	Recorded
BOD <sub>5</sub>	N/A	N/A	30mg/l	45mg/l	1/week	8Hr. Composite
Total Suspended Solids	N/A	N/A	30mg/l	45mg/l	1/week	8Hr. Composite
Total Residual Chlorine	N/A	N/A	N/A	0.5mg/l	1/day	grab
Total Coliforms	N/A	N/A	N/A	70 MPN/100ml	1/week	grab

The pH shall not be less than 6.0 nor greater than 9.0 and shall be monitored once per day by grab sample.

There shall be no discharge of floating solids or persistent foam in other than trace amounts. Persistent foam is foam that does not dissipate within one-half hour of travel from point of discharge.



# I. Special Conditions

## A4. EFFLUENT LIMITATIONS and MONITORING REQUIREMENTS

Beginning on effective date of permit and lasting through December 31, 1986 the permittee is authorized to discharge from outfall(s) serial number(s) 001-monitoring points 103 and 106 consisting of auxiliary boiler blowdown and condensate dumps.

Such discharges shall be limited and monitored at discharge points into 001 by the permittee as specified below:

<u>Constituent</u>	<u>Effluent Limitations</u>			<u>Monitoring Requirements</u>		
	kg/day(lbs/day)			Units(Specify)		
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.	Measurement Frequency	Sample Type
Flow-M <sup>3</sup> /Day(MGD)	N/A	N/A	N/A	N/A	1/discharge	estimate
Oil and Grease	N/A	N/A	15mg/l	20mg/l	1/discharge	grab
Total Suspended Solids	N/A	N/A	30mg/l	100mg/l	1/discharge	grab

The pH shall not be less than 6.0 nor greater than 9.0 and shall be monitored once per discharge by grab sample.

There shall be no discharge of floating solids or persistent foam in other than trace amounts. Persistent foam is foam that does not dissipate within one-half hour of travel from point of discharge.

# I. Special Conditions

## A5. EFFLUENT LIMITATIONS and MONITORING REQUIREMENTS

Beginning on effective date of permit and lasting through December 31, 1986 the permittee is authorized to discharge from outfall(s) serial number(s) 001-monitoring points 104 and 105 consisting of yard sump for demineralizer and miscellaneous waste streams.

Such discharges shall be limited and monitored at discharge points into 001 by the permittee as specified below:

<u>Constituent</u>	<u>Effluent Limitations</u>			<u>Monitoring Requirements</u>	
	<u>kg/day(lbs/day)</u>			<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Other Units(Specify)</u>		
Flow-M <sup>3</sup> /Day(MGD)	N/A	N/A	Monthly Avg.	N/A	estimate
Oil and Grease	N/A	N/A	15mg/l	20mg/l	grab
Total Suspended Solids	N/A	N/A	30mg/l	100 mg/l	grab
				1/month	

The pH shall not be less than 6.0 nor greater than 9.0 and shall be monitored once per month by grab sample.

There shall be no discharge of floating solids or persistent foam in other than trace amounts. Persistent foam is foam that does not dissipate within one-half hour of travel from point of discharge.

I. Special Conditions

A6. EFFLUENT LIMITATIONS and MONITORING REQUIREMENTS

Beginning on effective date of permit and lasting through December 31, 1986 the permittee is authorized to discharge from outfall(s) serial number(s) 001-monitoring point 107 consisting of salt water cooling system.

Such discharges shall be limited and monitored at discharge point into 001 by the permittee as specified below:

<u>Constituent</u>	<u>Effluent Limitations</u>			<u>Monitoring Requirements</u>	
	<u>kg/day(lbs/day)</u>			<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Monthly Avg.</u>	<u>Daily Max.</u>	<u>Other Units(Specify)</u>		
Flow-ft <sup>3</sup> /Day(MGD)	N/A	N/A	Monthly Avg.	N/A	1/week estimated
Total Residual Chlorine	N/A	N/A	Monthly Avg.	0.14mg/l	1/week grab

There shall be no discharge of floating solids or persistent foam in other than trace amounts. Persistent foam is foam that does not dissipate within one-half hour of travel from point of discharge.

I. Special Conditions

## A/. EFFLUENT LIMITATIONS and MONITORING REQUIREMENTS

Beginning on effective date of permit and lasting through December 31, 1986 the permittee is authorized to discharge from outfall(s) serial number(s) 002 consisting of miscellaneous waste sources.

Such discharges shall be limited and monitored at discharge point by the permittee as specified below:

<u>Constituent</u>	<u>Effluent Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day(lbs/day)		Other Units(Specify)		Measurement Frequency	Sample Type
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.		
Flow-M <sup>3</sup> /Day(MGD)	N/A	N/A	N/A	N/A	1/week	estimated
Oil and Grease	N/A	N/A	15mg/l	20mg/l	1/week	grab
Total Suspended Solids	N/A	N/A	30mg/l	100mg/l	1/week	grab

The pH shall not be less than 6.0 nor greater than 9.0 and shall be monitored once per week by grab sample.

There shall be no discharge of floating solids or persistent foam in other than trace amounts. Persistent foam is foam that does not dissipate within one-half hour of travel from point of discharge.

I. Special Conditions

## A3. EFFLUENT LIMITATIONS and MONITORING REQUIREMENTS

Beginning on effective date of permit and lasting through December 31, 1986 the permittee is authorized to discharge from outfall(s) serial number(s) 003 and 004 consisting of screen backwash.

Such discharges shall be limited and monitored at discharge points by the permittee as specified below:

<u>Constituent</u>	<u>Effluent Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day(lbs/day)		Other Units(Specify)		Measurement	Sample
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.	Frequency	Type
Flow-M <sup>3</sup> /Day(MGD)	N/A	N/A	N/A	N/A	1/month	estimate

The pH shall not be less than 6.0 nor greater than 9.0 and shall be monitored once per month by grab sample.

There shall be no discharge of floating solids or persistent foam in other than trace amounts. Persistent foam is foam that does not dissipate within one-half hour of travel from point of discharge.

I. Special Conditions

B. DEFINITIONS

1. The "monthly average" effluent limitation by concentration means the arithmetic average of all the daily determinations of concentration made during any thirty day period. When using a composite sample the monthly average concentration shall mean the concentration of the composite sample. When grab samples are used the daily determination of concentration shall be the arithmetic average of all the individual samples collected during any 24-hour period.
2. The "daily maximum" effluent limitation by concentration means the average concentration for a 24-hour period.
3. "Composite Sample" means a combination of individual samples obtained at least at hourly intervals over a time period. For flow proportional sampling, the volume of each individual sample is directly proportional to discharge flow rates. For constant volume sampling, either the sampling frequency is proportional to the flow rates over the time period used to produce the composite, or the values of the individual sample analyses are mathematically weighted in proportion to the flow rate at the time of sampling.
4. The "monthly average" temperature means the arithmetic average of temperature measurements made on an hourly basis, or the mean value plot of the record of a continuous automated temperature recording instrument, either during any calendar month, or during the operating month if flows are of shorter duration.
5. The "daily maximum" temperature means the highest arithmetic average of the temperatures observed for any two (2) consecutive hours during a 24-hour day, or during the operating day if flows are of shorter duration.
6. "Measured" flow means any method of liquid volume measurement the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.



I. Special Conditions

B. DEFINITIONS

7. "Estimated" flow means a calculated volume or discharge rate which is based on a technical evaluation of the sources contributing to the discharge including, but not limited to pump capabilities, water meters and batch discharges volumes.
8. "Grab Sample" means an individual sample collected in less than 15 minutes.
9. "Bypass" means the intentional diversion of wastes from any portion of a treatment facility.
10. "Upset" means an exceptional incident in which there is unintentional and temporary non-compliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee.

I. Special Conditions

C. REMOVED SUBSTANCES

1. Within 90 days of the effective date of this permit, the permittee shall submit to DHMH on a form provided, the following information:
  - a) Locate, on a suitable map, all areas used for the disposal of any Removed Substances as defined by II. General Conditions 8.7;
  - b) The physical, chemical and biological characteristics and quantities of any Removed Substances handled, and the method of disposal;
  - c) If disposal is handled by other than the permittee identify the contractor or subcontractor, their mailing address, and the information specified in a and b above.
2. Prior to the use of new or additional disposal areas or contractors or subcontractors the permittee shall notify, in writing DHMH.

D. WASTEWATER OPERATOR CERTIFICATION

Within six months from the date of issuance of this permit, the permittee's facility shall be operated by an industrial wastewater operator duly certified by the Maryland Board of Certification. At no time during the effect of this permit shall the treatment facilities be operated for more than six months without a certified operator.

E. THERMAL COMPLIANCE

The Permittee has conducted studies in accordance with COMAR 08.05.04.13C(2) to determine compliance with thermal discharge mixing zone criteria, to determine whether entrainment affects a spawning or nursery area of consequence, and to estimate impingement losses. The Plant was found to meet thermal mixing zone requirements, not to affect spawning or nursery areas of consequence, and to have a modest impingement loss. The present once-through cooling system is in compliance with COMAR 08.05.04.13 and continued use of the system will be permitted. Therefore, alternate effluent limitations as put forth in Section 316(a) of the Clean Water Act are not necessary.

I. Special Conditions

F. REFUELING

The permittee shall schedule reactor refueling in such a manner that only one unit at a time will be scheduled to be out of service during the winter.

G. MANDATORY OPERATING REQUIREMENTS OF NUCLEAR REGULATORY COMMISSION (NRC)

The limitations and conditions specified in this permit shall not be interpreted or construed to supersede or replace any inconsistent specific mandatory operating limitations imposed by the NRC upon the permittee.

H. INTAKE MONITORING

Within 24 hours of any impingement on the cooling water intake means (travelling screens, bar screens, etc.) substantial enough to cause modification to plant operations, the permittee shall submit written notification to the Administration. Within 30 days of each occurrence, the permittee shall submit a written report discussing the cause of the problem, plant reaction, and precautions to be taken to avoid similar impingements.

I. MINIMUM FLOW

The permittee shall maintain a minimum flow or take such steps as to prevent embayment mortalities when the plant is not in service.

J. BIPHENYL FLUIDS

There shall be no discharge of biphenyl transformer fluids to the waters of the State.

K. INERT MATERIAL

Inert material from intake screen backwash shall be collected and properly disposed of in a manner approved by the Administration.

I. Special Conditions

L. BEST MANAGEMENT PRACTICES

For any materials listed in Control of the Disposal of Designated Hazardous Substances, Annotated Code of Maryland (COMAR) 08.05.05.18, or any materials listed as toxic under Section 307 A of the Clean Water Act (the Act) or listed as hazardous under Section 311 of the Act, the permittee shall submit a "Best Management Practices" (BMP) program within six (6) months of the effective date of Federal BMP requirements authorized under Section 304 (e) of the Act. The BMP plan shall include, but is not limited to, treatment requirements, operating and maintenance procedures, schedules of activities, prohibitions of activities, and other management practices to control plant site runoff, spillage or leaks, sludge or waste disposal, and drainage from raw material storage, so as to prevent or reduce the contribution of pollutants to the waters of the State.

## II. General Conditions

### A. MONITORING AND REPORTING

#### 1. Representative Sampling

Samples and measurements taken as required herein shall be taken at such times as to be representative of the quantity and quality of the discharges during the specified monitoring periods.

#### 2. Reporting-Monitoring Results Submitted Quarterly

Monitoring results obtained during the previous quarter shall be summarized on a Discharge Monitoring Report Form (EPA No. 3320-1 or T-40). For each constituent monitored at a frequency of once per month or less, the results obtained during the reporting quarter shall be summarized on a single report form for each quarter. More frequently monitored constituents shall be reported on a separate form for each calendar month of the reporting quarter. Results shall be submitted to the DHMH postmarked no later than the 28th day of the month following the end of the reporting period. Reporting periods shall end on the last day of the following months: March, June, September and December. The first reporting period ends March 31, 1982.

The reports shall be submitted to:

DEPARTMENT OF HEALTH AND MENTAL HYGIENE  
OFFICE OF ENVIRONMENTAL PROGRAM  
WASTE MANAGEMENT ADMINISTRATION  
INDUSTRIAL WASTE DIVISION  
201 WEST PRESTSTON STREET  
BALTIMORE, MARYLAND 21201

#### 3. Sampling and Analysis Methods

The analytical and sampling methods used shall conform to procedures for the analysis of pollutants as identified in Title 40 CFR, Part 136 - "Guidelines Establishing Test Procedures for the Analysis of Pollutants," and published in the Federal Register, in Volume 41, No. 232 - Wednesday, December 1, 1976.

#### 4. Data Recording Requirements

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

II. General Conditions

- a. The exact place, date, and time of sampling or measurement;
- b. The person(s) who performed the sampling or measurement;
- c. The dates the analyses were performed;
- d. The person(s) who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of all required analyses.

5. Monitoring Equipment Maintenance

The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation to insure accuracy of measurements.

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the locations designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring, including the increased frequency shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form (EPA No. 3320-1 or T-40).

7. Records Retention

All records and information resulting from the monitoring activities required by this permit, including all records of analyses performed, calibration and maintenance of instrumentation, and original recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years. This period shall be automatically extended during the course of litigation, or when requested by DHMH.

II. 3. MANAGEMENT REQUIREMENTS1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. This discharge of any pollutant identified in this permit a level in excess of that authorized shall constitute a violation of the terms and



II. General Conditions

conditions of this permit. Anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharge pollutants shall be reported by the permittee by submission of a new application or, if such changes will not violate the effluent limitations specified in this permit, by notice to DHMH. Following such notice, the permit may be modified by DHMH to specify and limit any pollutants not previously limited.

2. Noncompliance with Effluent Limitations

If for any reason the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall notify within 24 hours Enforcement Program by telephone at 301-383-6650 and within five days shall provide DHMH with the following information in writing:

- a. A description of the noncomplying discharge including its impact upon the receiving waters;
- b. Cause of noncompliance;
- c. Anticipated time the condition of noncompliance is expected to continue or if such condition has been corrected, the duration of the period of noncompliance;
- d. Steps taken by the permittee to reduce and eliminate the noncomplying discharge;
- e. Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance;
- f. A description of the accelerated or additional monitoring by the permittee to determine the nature and impact of the noncomplying discharge.

3. Facilities Operation

All treatment, control and monitoring facilities or systems installed or used by the permittee are to be maintained in good working order and operated efficiently.

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to waters of the State resulting from non-compliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

## II. General Conditions

### 5. Bypassing

Any bypass of treatment facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited unless:

- a. The bypass is unavoidable to prevent a loss of life, personal injury or substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources; and
- b. There are no feasible alternatives; and
- c. Notification is received by DHMH within 24 hours (if orally notified, then followed by a written submission within five (5) days) of the permittee's becoming aware of the bypass. Where the need for a bypass is known (or should have been known) in advance, this notification shall be submitted to DHMH for approval at least ten (10) days before the date of bypass; and
- d. The bypass is allowed under conditions determined by the DHMH to be necessary to minimize adverse effects.

## II. General Conditions

### 6. Conditions Necessary for Demonstration of an Upset.

An upset shall constitute an affirmative defense to an action brought for noncompliance with technology-based effluent limitations only if the permittee demonstrates, through properly signed, contemporaneous operating logs, or other relevant evidence, that:

- a. An upset occurred and that the permittee can identify the specific cause(s) of the upset; and
- b. The permitted facility was at the time being operated in a prudent and workman-like manner and in compliance with proper operation and maintenance procedures; and
- c. The permittee submitted a notification of non-compliance as required by paragraph 2 above; and
- d. The permittee complied with any remedial measures required to minimize adverse impact.

### 7. Removed Substances

Wastes such as solids, sludges, or other pollutants removed from or resulting from treatment or control of wastewaters, or facility operations shall be disposed of in a manner to prevent any removed substances or runoff from such substances from entering or from being placed in a location where they may enter the waters of the State.

### 8. Power Failures

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

- a. In accordance with the Schedule of Compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater collection and treatment facilities;

or, if such alternative power source is not in existence, and no date for its implementation appears in Part I,

- b. Halt, reduce or otherwise control production and all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater collection and treatment facilities.

II. General Conditions

## C. RESPONSIBILITIES

1. Right of Entry

The permittee shall permit the Secretary, DHMH, the Regional Administrator for the Environmental Protection Agency, or their authorized representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises where an effluent source is located or where any records are required to be kept under the terms and conditions of this permit;
- b. To access and copy, at reasonable times, any records required to be kept under the terms and conditions of this permit;
- c. To inspect, at reasonable times, any monitoring equipment or monitoring method required in this permit;
- d. To inspect, at reasonable times, any collection, treatment, pollution management, or discharge facilities required under this permit; and
- e. To sample, at reasonable times, any discharge of pollutants.

2. Transfer of Ownership or Control of Facilities

In the event of any change in ownership or control of facilities from which the authorized discharge emanates, the permit may be transferred to another person if:

II. General ConditionsC. RESPONSIBILITIES

- a. The permittee notifies DHMH in writing, of the proposed transfer;
- b. A written agreement, indicating the specific date of proposed transfer of permit coverage and acknowledging responsibilities of current and new permittees for compliance with the liability for the terms and conditions of this permit, is submitted to DHMH; and
- c. Neither the current permittee nor the new permittee receive notification from DHMH, within thirty (30) days, of intent to modify, revoke, reissue or terminate the existing permit.

3. Reapplication for a Permit

At least 180 days before the expiration date of this permit, unless permission for a later date has been granted by DHMH the permittee shall submit a new application for a permit or notify DHMH of the intent to cease discharging by the expiration date. In the event that a timely and sufficient reapplication has been submitted and DHMH is unable, through no fault of the permittee, to issue a new permit before the expiration date of this permit, the terms and conditions of this permit are automatically continued and remain fully effective and enforceable.

4. Availability of Reports

Except for data determined to be confidential under Section 308 of the Clean Water Act, all submitted data shall be available for public inspection at the offices of DHMH and the Regional Administrator of the Environmental Protection Agency.

5. Permit Modification

A permit may be modified by DHMH upon written request of the permittee and after notice and opportunity for a public hearing in accordance with and for the reasons set forth in 40 CFR 122.14 and 122.17.



## II. General Conditions

### 6. Permit Modification, Suspension Revocation

After notice and opportunity for a hearing this permit may be modified, suspended, or revoked and reissued in whole or in part during its term for causes including, but not limited to, the following:

- a. Violation any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge; or
- d. Information that the permittee discharge poses a threat to human health or welfare.

### 7. Toxic Pollutants

Notwithstanding II-C-D and above, if a Toxic Effluent Standard or Prohibition (including any schedule of compliance specified in such Toxic Effluent Standard or Prohibition) is established by the U.S. Environmental Protection Agency or pursuant to Section 8-1405 (b) of the Natural Resources Article Annotated Code of Maryland (1974 Volume) as amended, for a toxic pollutant which is present in the discharges authorized herein and such standard is more stringent than any limitations upon such pollutant in this permit, this permit shall be revoked and reissued or modified in accordance with the Toxic Effluent Standard or Prohibition and the permittee so notified. Any effluent standard established in this case for a pollutant which is injurious to human health is effective and enforceable by the time set forth in the promulgated standard, even absent permit modification.

### 8. Oil & Hazardous Substances Prohibited

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibility, liability, or penalties to which the permittee may be subject under Section 311 of the Clean Water Act (33 U.S.C. Section 466), or under the Maryland Code.



## II. General Conditions

### 9. Civil and Criminal Liability

Except as provided in permit conditions on "bypassing", "upset" and "power failure", nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from civil or criminal responsibilities and/or penalties for non-compliance with Title 8 of the Natural Resources Article, Annotated Code of Maryland (1974 Volume) as amended, or any Federal, Local, or other State law or regulation.

### 10. Property Rights/Compliance with other Requirements

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations

### 11. Severability

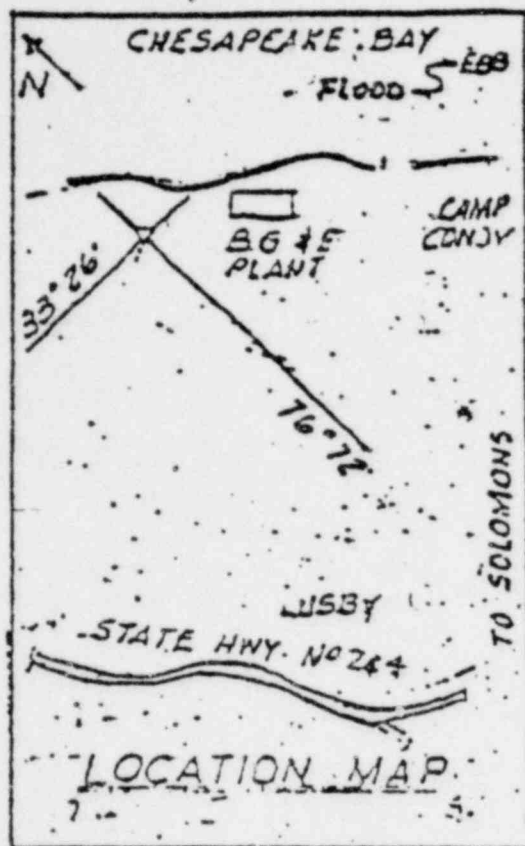
The provisions of this permit are severable. If any provisions of this permit shall be held invalid for any reason, the remaining provisions shall remain in full force and effect. If the application of any provision of this permit to any circumstance is held invalid, its application to other circumstances shall not be affected.

### 12. Waterway Construction and Obstruction

This permit does not authorize the construction or placing of physical structures, facilities or debris, or the undertaking of related activities in any waters of the State.

### 13. Compliance with Water Pollution Abatement Statutes

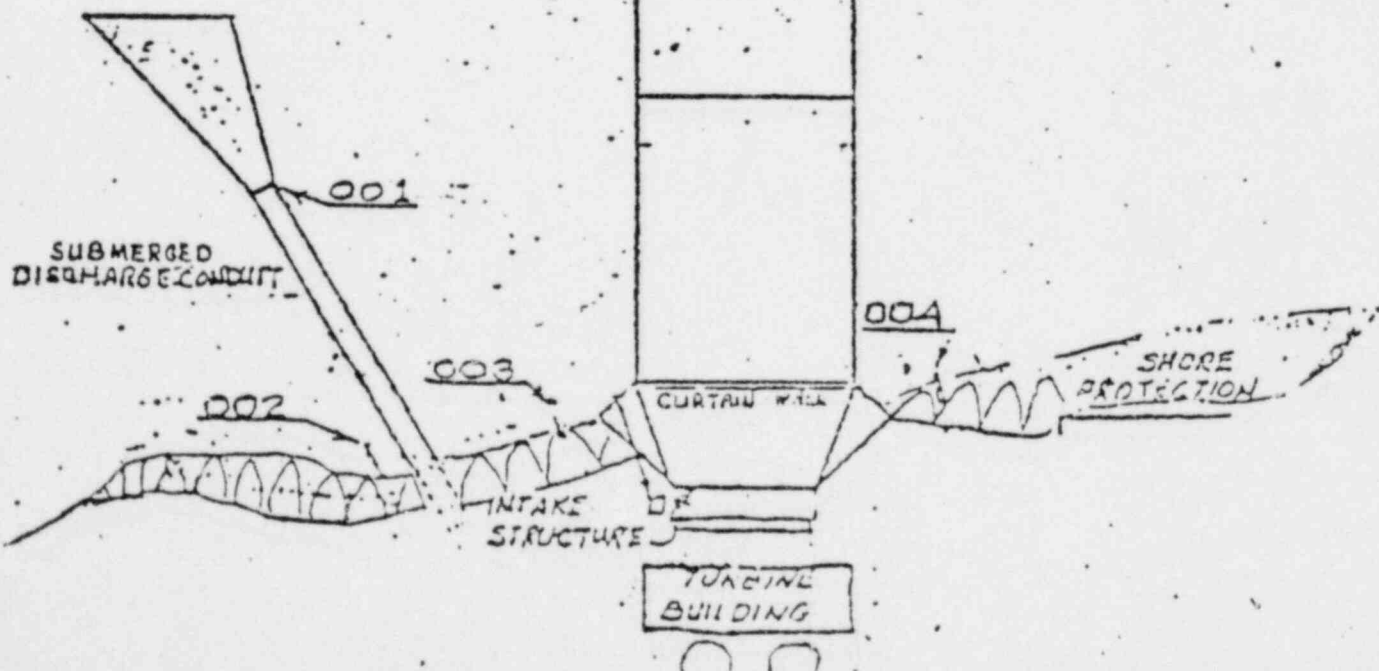
The permittee shall comply at all times with the provisions of Natural Resources Article, Sections 8-1401 through 1416 of the Annotated Code of Maryland, (1974 Volume) as amended, and the Clean Water Act.



CALVERT  
CLIFFS  
NUCLEAR  
POWER  
PLANT

CALVERT  
COUNTY  
MARYLAND

CHESAPEAKE BAY

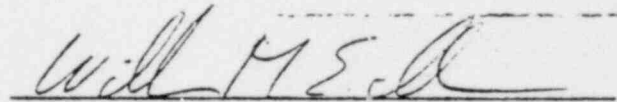


II. D. NPDES PERMIT

On September 5, 1974 the Administrator of the U.S. Environmental Protection Agency approved the proposal submitted by the State of Maryland for the operation of a permit program for discharges into navigable waters pursuant to Section 402 of the Federal Clean Water Act.

Pursuant to the aforementioned approval, this Discharge Permit is both a State of Maryland Discharge Permit and a NPDES Permit.

This permit and the authorization to discharge shall expire at midnight on December 31, 1986. Permittee shall not discharge after the above date of expiration. In order to receive authorization to discharge after above date of expiration, the permittee shall submit such information, forms, fees as are required by DHMH no later than 180 days prior to the above date of expiration.



William M. Eichbaum  
Assistant Secretary for  
Environmental Programs