R-3WQ-15

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WATER QUALITY MANAGEMENT

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
PERMIT PA0025615

n compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 et seq. the "Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 et seq.,

Duquesne Light Company
One Oxford Centre
301 Grant Street
Pittsburgh, PA 15279

s authorized to discharge from a facility located at

Beaver Valley Power Station
Shippingport Borough
Beaver County

o receiving waters named

Ohio River and Peggs Run

n accordance with effluent limitations, monitoring requirements and other conditions set forth n Parts A, B, and C of this permit.

his permit and the authorization to discharge shall expire at midnight NOV 26 1989.

he authority granted by this permit is subject to the following further qualifications:

. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.

) Failure to comply with any of the terms or conditions of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of permit renewal.

If this permit authorizes a sewage discharge, the permit will not become operative until it is recorded in the office of the Recorder of Deeds in the county where the sewage discharge is located.

Application for renewal of this permit, or notification of intent to cease discharging by the expiration date, must be submitted to the Department at least 180 days prior to the expiration date (unless permission has been granted by the Department for submission at a later date), using the appropriate NPDES permit application form. In the event that a timely and complete application for renewal has been submitted and the Department is unable, through no fault of the permittee, to reissue the permit before the expiration date, the terms and conditions of this permit will be automatically continued and will remain fully effective and enforceable pending the grant or denial of permit renewal.

5. This permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

PERMIT ISSUED NOV 26 1984

DATE _____

BY _____
Hugh W. Archer, Ph.D., P.E.
Regional Water Quality Manager

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 101 WHICH RECEIVES WASTE FROM:
chemical waste treatment system (demineralizer regenerants, lab sink drainage, Unit #1 auxiliary boiler blowdown)

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
ow (mgd)								2/month	estimated	
spended Solids				30		100		2/month	2-hr. comp.	
l & Grease				15		20		2/month	grab	
				not less than 6.0 nor greater than 9.0 standard units				2/month	grab	

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

mples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
e discharge from the chemical waste sump prior to mixing with any other water

. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 201 WHICH RECEIVES WASTE FROM:
softener regenerants (formerly 103)

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
ow (mgd)								2/month	estimated	
ıspended Solids				30		100		2/month	grab	
l & Grease				15		20		2/month	grab	

ıere shall be no discharge of floating solids or visible foam in other than trace amounts.

ımples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
ıstewater from the softener unit prior to mixing with any other water

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 301 WHICH RECEIVES WASTE FROM:
Unit #2 auxiliary boiler blowdown

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
ow (mgd)								2/month	estimated	
spended Solids				30		100		2/month	grab	
l & Grease				15		20		2/month	grab	

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

mples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
e discharge of boiler blowdown prior to mixing with any other water

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 401 WHICH RECEIVES WASTE FROM:
drains from the chemical feed area of the auxiliary boilers for Unit #2

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						24-Hour Report
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	Under A.3.c.
ow (mgd)								2/month	estimated	
spended Solids				30		100		2/month	grab	
l & Grease				15		20		2/month	grab	
	not less than 6.0							2/month	grab	

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

mples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
emical feed area drains prior to mixing with any other water

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 001 WHICH RECEIVES WASTE FROM:
Unit #1 and Unit #2 cooling tower blowdown, sources previously monitored at 101, 201, 301 and 401, treated rad waste, and occasional clarified water overflow.

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						24-Hour Report
charge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	Under A.3.c.
w (mgd)								continuous	recorded	
e Available Chlorine						0.2	0.5	continuous	recorded	
omium	It is the Department's understanding that the permittee does not add chromium or zinc compounds to the cooling water. Therefore, no limitation or monitoring requirement has been placed on chromium or zinc, and the permittee is prohibited from adding chromium or zinc compounds to the cooling water unless the permittee obtains an amendment to this permit. Refer to Part C for restrictions on the discharge of the 126 priority pollutants, free available and total residual chlorine, and the net addition of pollutants to non-contact cooling water.									
c										

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

nples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
Outfall 001.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 102 WHICH RECEIVES WASTE FROM:
intake screenhouse (pump bearing cooling water leakage) formerly 201

a. The permittee is authorized to discharge during the period from issued dat through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
charge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
w (mgd)								2/month	estimated	
pended Solids				30		100		2/month	grab	
& Grease				15		20		2/month	grab	
				not less than 6.0 nor greater than 9.0 standard units				2/month	grab	

re shall be no discharge of floating solids or visible foam in other than trace amounts.

nples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
discharge of collected pump bearing leakage prior to combination with any other water

EFFLUENT LIMITATIONS AI MONITORING REQUIREMENTS FOR OUTFALL 002 WHICH RECEIVES WASTE FROM:
Intake screen backwash, asnd pump bearing leakage from 102

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						24-Hour Report
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	Under A.3.c.

Debris collected on the intake trash racks shall not be returned to the waterway.

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 103 WHICH RECEIVES WASTE FROM:
settling basin handling sludge from the intake clarifier (formerly 301)

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
ow (mgd)								2/month	estimated	
spended Solids				30		100		2/month	24-hr. comp.	
				not less than 6.0 nor greater than 9.0 standard units				2/month	grab	

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

mples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
erflow from the basin prior to mixing with any other water

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 203 WHICH RECEIVES WASTE FROM:
sewage treatment system at the main plant (formerly 302)

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						24-Hour Report
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	Under A.3.c.
ow (mgd)	0.023							2/month	measured	
)D-5 Day				30			60	2/month	grab	
ıspended Solids				30			60	2/month	grab	

Removal (BOD-5 Day & SS)	refer to Part C		
:cal Coliform Organisms	refer to Part C for effective disinfection	2/month	grab
ı	not less than 6.0 nor greater than 9.0 standard units	2/month	grab

ıere shall be no discharge of floating solids or visible foam in other than trace amounts.

ımp!es taken in compliance with the monitoring requirements specified above shall be taken at the following location:
/erflow from the chlorine contact tank prior to mixing with any other water

. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 303 WHICH RECEIVES WASTE FROM:
oil/water separator handling Unit #1 turbine room floor drainage

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
ischarge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
low (mgd)								2/month	estimated	
uspended Solids				30		100		2/month	grab	
il & Grease				15		20		2/month	grab	
H	not less than 6.0 nor greater than 9.0 standard units							2/month	grab	

here shall be no discharge of floating solids or visible foam in other than trace amounts.

amples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
verflow from the oil separator prior to mixing with any other water

. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 003 WHICH RECEIVES WASTE FROM:
see below

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						24-Hour Report
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	Under A.3.c.
ow (mgd)	This discharge shall consist solely of uncontaminated yard stormwater runoff and those sources monitored at 103, 203, and 303.									

ıere shall be no discharge of floating solids or visible foam in other than trace amounts.

. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 004 WHICH RECEIVES WASTE FROM:
Unit #1 cooling tower overflow

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
ischarge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
low (mgd)								1/week	estimated	
ree Available Chlorine						0.2	0.5			
hromium										
inc										

This overflow at Outfall 004 normally takes place during the months July thru October when the water level in the cooling tower basin is raised to increase pumping efficiency. The blowdown at Outfall 201 comes from the same basin, and the limitations and restrictions placed on 201 apply also to this 004. The only monitoring requirement at 004 is flow; monitoring results for other parameters at 201 will be considered applicable to 004 and must be shown on the DMR for 004 whenever there is a discharge at 004.

H not less than 6.0 nor greater than 9.0 standard units

here shall be no discharge of floating solids or visible foam in other than trace amounts.

amples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
t the discharge pipe

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 006 WHICH RECEIVES WASTE FROM:
auxiliary intake screen backwash

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						24-Hour Report
charge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	Under A.3.c.
				Debris collected on the intake trash racks shall not be returned to the waterways.						

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 007 WHICH RECEIVES WASTE FROM:
auxiliary intake system testing water and periodic discharge from the reactor plant river water system

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
ow (mgd)								1/week	estimated	
ee Available Chlorine						0.2	0.5	1/week	grab	

Monitoring for flow and free available chlorine are required only during those periods of discharge from the alternate flow path of the reactor plant river water system. Also refer to Part C for additional restrictions on free available and total residual chlorine, and the net addition of pollutants to non-contact cooling water.

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

mples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
the discharge pipe

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 008 WHICH RECEIVES WASTE FROM:
Unit #1 cooling tower pumphouse (pump seal leakage, strainer backwash, roof rainfall) formerly 401

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
ow (mgd)								2/month	estimated	
spended Solids				30		100		2/month	grab	
l & Grease				15		20	30	2/month	grab	
				not less than 6.0 nor greater than 9.0 standard units				2/month	grab	

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

mples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
e discharge pipe and monitored so as to exclude stormwater

. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 010 WHICH RECEIVES WASTE FROM:
once-thru cooling water from Unit #2 heat exchangers, and sources monitored at 110 and 210

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
ischarge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
low (mgd)								1/week	estimated	
ree Available Chlorine						0.2	0.5	1/week	grab during chlorination	

Refer to Part C for additional restrictions on free available and total residual chlorine, and the net addition of pollutants to non-contact cooling water.

here shall be no discharge of floating solids or visible foam in other than trace amounts.

amples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
t the emergency overflow structure

. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 011 WHICH RECEIVES WASTE FROM:
three oil/water separators serving the Unit #2 turbine building and diesel generator building

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
ischarge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
low (mgd)								2/month	estimated	
uspended Solids				30		100		2/month	grab	
il & Grease				15		20	30	2/month	grab	

The three oil/water separators discharge into a common pipe, and the pipe also handles yard drainage. The overflow from each oil/water separator must meet the limitations shown on this page, but at this time the Department is requiring the permittee to only monitor the combined flow of the separators.

H	not less than 6.0 nor greater than 9.0 standard units	2/month	grab

here shall be no discharge of floating solids or visible foam in other than trace amounts.

amples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
t the discharge pipe and monitored so as to exclude stormwater

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 012 WHICH RECEIVES WASTE FROM:
blowdown from the HVAC cooling tower serving the emergency response facility and stormwater runoff

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						24-Hour Report
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	Under A.S.c.
ow (mgd)								1/month	estimated	
ee Available Chlorine	It is the Department's understanding that the permittee does not add chlorine or chromium and zinc compounds to the cooling water. Therefore, no limitation or monitoring requirement has been placed on chlorine, chromium, or zinc, and the permittee is prohibited from adding chlorine, or chromium and zinc compounds to the cooling water unless the permittee obtains an amendment to this permit. Refer to Part C for restrictions on the discharge of the 126 priority pollutants, and the net addition of pollutants to non-contact cooling water.									
romium										
nc										
				not less than 6.0 nor greater than 9.0 standard units				1/month	grab	

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

mples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
the discharge pipe

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 113 WHICH RECEIVES WASTE FROM:
sewage treatment system serving Unit #2 and handling sanitary wastes and softener regeneration wastes

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report Under A.3.c.
ow (mgd)	0.043							2/month	measured	
)-5 Day				30			60	2/month	grab	
spended Solids				30			60	2/month	grab	

Removal (BOD-5 Day & SS)	refer to Part C		
al Coliform Organisms	refer to Part C for effective disinfection	2/month	grab
	not less than 6.0 nor greater than 9.0 standard units	2/month	grab

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

nples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
erflow from the chlorine contact tank and prior to mixing with any other water

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 213 WHICH RECEIVES WASTE FROM:
Unit #2 cooling tower pumphouse floor and equipment drains

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						
charge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	24-Hour Report under A.3.c.
w (mgd)								2/month	estimated	
pended Solids				30		100		2/month	grab	
& Grease				15		20		2/month	grab	
				not less than 6.0 nor greater than 9.0 standard units				2/months	grab	

re shall be no discharge of floating solids or visible foam in other than trace amounts.

ples taken in compliance with the monitoring requirements specified above shall be taken at the following location:
charge from the pumphouse prior to mixing with any other water

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS FOR OUTFALL 013 WHICH RECEIVES WASTE FROM:
see below

a. The permittee is authorized to discharge during the period from issued date through expiration date.

b. Based on the production data and/or anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply. Total (dissolved plus suspended fraction) is implied for each parameter unless otherwise indicated.

	DISCHARGE LIMITATIONS (gross unless otherwise indicated)							MONITORING REQUIREMENTS		
	Mass Units (lb/day except flow)			Concentrations (mg/l unless otherwise indicated)						24-Hour Report
scharge Parameter	Average Monthly	Average Weekly	Max. Daily	Average Monthly	Average Weekly	Max. Daily	Instant. Max.	Measurement Frequency	Sample Type	Under A.3.c.
				This discharge shall consist solely of uncontaminated stormwater runoff and the soueces monitored at 113 and 213.						

ere shall be no discharge of floating solids or visible foam in other than trace amounts.

2. DEFINITIONS

a. The "average monthly" mass discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility or sewage facility was operating. Where less than daily sampling is required by this permit, the average monthly mass discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.

b. The "average weekly" mass discharge means the total discharge by weight during a calendar week divided by the number of days in the week that the facility was operating. Where less than daily sampling is required by this permit, the average weekly mass discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days during the calendar week when the measurements were made.

c. The "maximum daily" mass discharge means the total discharge by weight during any calendar day.

d. The "average monthly" concentration means the arithmetic average of all the daily determinations of concentration made during a calendar month.

e. The "average weekly" concentration means the arithmetic average of all the daily determinations of concentration made during a calendar week.

f. The "maximum daily" concentration means the daily determination of concentration for any calendar day.

g. The "daily determination of concentration" means either the concentration of a composite sample taken during a calendar day or the arithmetic average of all grab samples taken during a calendar day.

h. The "instantaneous maximum" concentration means the concentration not to be exceeded at any time in any grab sample.

i. The term "composite sample" means a combination of individual samples obtained at regular intervals over a time period. Either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval (for constant volume samples) is proportional to the flow rates over the time period used to produce the composite. The maximum time period between individual samples shall not exceed 2 hours except that for wastes of a uniform nature the samples may be collected on a frequency of at least twice per working shift and shall be equally-spaced over a 24-hour period (or over the operating day if flows are of a shorter duration).

j. The term "grab sample" means an individual sample collected in less than 15 minutes.

k. The "average monthly flow" means the arithmetic mean of daily flow measurements taken during a calendar month.

l. The term "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.

m. The term "estimated flow" means any method of liquid volume measurement based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters, and batch discharge volumes.

n. The "average monthly" temperature means the arithmetic mean of temperature measurement made on an hourly basis, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar month or during the operating month if flows are of a shorter duration.

o. The "maximum daily" temperature means the highest arithmetic mean of the hourly temperatures observed for any 2 consecutive hours during a 24-hour day or during the operating day if flows are of a shorter duration.

p. The term "i-s" means immersion stabilization in which a calibrated device is immersed in the effluent stream until the reading is stabilized.

q. The term "non-contact cooling water" shall mean water which is used in a cooling system designed so as to maintain constant separation of the cooling medium from all contact with process chemicals but which may on occasion, as a result of corrosion, cooling system leakage or similar cooling system failures, contain small amounts of process chemicals: provided, that all reasonable measures have been taken to prevent, reduce, eliminate and control to the maximum extent feasible such contamination: and provided further, that all reasonable measures have been taken that will mitigate the effects of such contamination once it has occurred.

r. The term "at outfall XXX" means a sampling location in outfall line XXX downstream from the last point at which wastes are added to outfall line XXX or otherwise specified.

s. The term "bypass" means the intentional diversion of wastes from any portion of a treatment facility.

t. The term "severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or subtantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

u. The term "industrial user" means an establishment which discharges or introduces industrial wastes into a publicly owned treatment works (POTW).

v. The term "publicly owned treatment works" or "POTW" means a facility as defined by Section 212 of the Clean Water Act which is owned by a state or municipality, as defined by Section 502(4) of the Clean Water Act, including any sewers that convey wastewater to such a treatment works, but not including pipes, sewers or other conveyances not connected to a facility providing treatment. The term also means the municipality as defined in Section 502(4) of the Clean Water Act which has jurisdiction over the indirect discharges to and the discharges from such a treatment works.

3. SELF-MONITORING, REPORTING, AND RECORDS KEEPING

a. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

b. Reporting of Monitoring Results

(1) Monitoring results obtained during each month shall be summarized for that month and reported on a discharge monitoring report (DMR) postmarked no later than the 28th day of the following month. Signed copies of these and all other reports required herein, shall be submitted to the Department and the EPA Regional Office at the addresses listed in Part C of this permit.

(2) If the permittee monitors any pollutant using analytical methods described in Part A.3.e below more frequently than the permit requires, the results of this monitoring shall be incorporated as appropriate into the calculations used to report self-monitoring data on the DMR.

c. Non-Compliance Reporting

(1) 24-Hour Reporting - The permittee shall orally report to the Department within 24 hours of becoming aware of the following:

(a) Actual or anticipated non-compliance with any term or condition of this permit which may endanger health or the environment.

(b) Actual or anticipated non-compliance with any "maximum daily" discharge limitation which is identified in Part A.1 of this permit as being:

(i) A toxic pollutant effluent standard established by EPA pursuant to Section 307(a) of the Clean Water Act, or

(ii) For a toxic or hazardous pollutant which, if not adequately treated, could constitute a threat to human health, welfare, or the environment, or

(iii) Any pollutant identified as the method to control a toxic pollutant or hazardous substance (i.e. indicator pollutant).

(c) Any unanticipated bypass which exceeds any effluent limitations in the permit.

(d) Where the permittee orally reports this information within the above mentioned 24-hour time period, a written submission outlining the above information must be submitted to the Department within 5 days of becoming aware of such a condition unless this requirement is waived by the Department upon receipt of the oral report.

(2) Other Non-Compliance Reporting

(a) The permittee shall give advance notice to the Department of any planned changes to the permitted activity or facility which may result in non-compliance with permit requirements.

(b) Where the permittee knows in advance of the need for a bypass which will exceed effluent limitations, it shall submit prior notice to the Department at least 10 days, if possible, before the date of the bypass.

(c) The permittee shall report all instances of non-compliance which are not reported above at the time of DMR submission.

(3) The reports and notifications required above shall contain the following information:

(a) A description of the discharge and cause of non-compliance;

(b) The period of non-compliance, including exact dates and times and/or the anticipated time when the discharge will return to compliance; and

(c) Steps being taken to reduce, eliminate, and prevent recurrence of the non-complying discharge.

d. Specific Toxic Substance Notification Levels - Where the permittee is a manufacturing, commercial, mining, or silvicultural discharger, the permittee shall notify the Department as soon as it knows or has reason to believe the following:

(1) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit if that discharge will exceed the highest of the following "notification levels":

(a) One hundred micrograms per liter

(b) Two hundred micrograms per liter for acrolein and acrylonitrile

(c) Five hundred micrograms per liter for 2,4-dinitrophenol and 2-methyl-4,6-dinitrophenol

(d) One milligram per liter for antimony

(e) Five times the maximum concentration value reported for that pollutant in the permit application

(f) Any other notification level established by the Department

(2) That it has begun, or expects to begin, to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

e. Test Procedures

Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those contained in 40 CFR Part 136, or alternate test procedures approved pursuant to that part.

f. Recording of Results

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

(1) The exact place, date, and time of sampling or measurements;

(2) The persons who performed the sampling or measurements;

(3) The dates the analyses were performed;

(4) The persons who performed the analyses;

(5) The analytical techniques or methods used; and

(6) The results of such analyses.

g. Records Retention

All records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for 3 years. The 3-year period shall be extended as requested by the Department or the EPA Regional Administrator.

4. SCHEDULE OF COMPLIANCE

a. If Part C of this permit contains a schedule of compliance, the permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with that schedule.

b. No later than 14 calendar days following a date identified in the schedule of compliance, the permittee shall submit to the Department a written notice of compliance or non-compliance with the specific schedule requirement. In the case of non-compliance, the notice shall include the cause of non-compliance, any remedial actions taken, the estimated date when compliance with the elapsed date shall occur, and the probability of meeting the next scheduled requirement.

1. MANAGEMENT REQUIREMENTS

a. Permit Modification, Termination, or Revocation and Reissuance

(1) This permit may be modified, terminated, or revoked and reissued during its term for any of the causes specified in 25 Pa. Code, Chapter 92.

(2) The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any permit condition.

(3) Toxic Pollutants - Notwithstanding the above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Clean Water Act for a toxic pollutant which is present in the discharge, and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, then this permit shall be modified or revoked and reissued by the Department to conform with the toxic effluent standard or prohibition and the permittee so notified. In the absence of a Departmental action to modify or to revoke and reissue this permit, any toxic effluent standard or prohibition established under Section 307(a) of the Clean Water Act is considered to be effective and enforceable against the permittee.

b. Duty to Provide Information

(1) The permittee shall furnish to the Department within a reasonable time any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.

(2) The permittee shall furnish to the Department, upon request, copies of records required to be kept by this permit.

(3) Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information to the Department.

(4) The permittee shall give advance notice to the Department of any planned physical alterations or additions to the permitted facility.

c. Where the Permittee is a Publicly Owned Treatment Works (POTW)

(1) The permittee shall provide adequate notice as discussed in subparagraph c(2) below to the Department of the following:

(a) Any new introduction of pollutants into the POTW from an industrial user which would be subject to Sections 301 and 306 of the Clean Water Act if it were otherwise discharging directly into waters of the United States.

(b) Any substantial change in the volume or character of pollutants being introduced into the POTW by an industrial user which was discharging into the POTW at the time of issuance of this permit.

(c) Any change in the quality and quantity of effluent introduced into the POTW.

(d) The identity of significant industrial users served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also identify the character and volume of pollutants discharged into the POTW by the industrial user.

(2) The submission of the above information in the POTW's annual Wasteload Management Report, required under the provisions of 25 Pa. Code, Chapter 94, will normally be considered as providing adequate notice to the Department. However, if the above changes in industrial pollutant loadings to the POTW are significant enough to warrant either modification or revocation and reissuance of this permit, then the permittee is required to meet the provisions of Part B.1.a above.

(3) The POTW shall require all industrial users to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act and any regulations adopted thereunder, and the Clean Streams Law and any regulations adopted thereunder.

(4) This permit shall be modified, or alternatively, revoked and reissued, to incorporate an approved POTW pretreatment program or a compliance schedule for the development of such program as required under Section 402(b)(8) of the Clean Water Act and regulations adopted thereunder or under the Department's approved pretreatment program.

d. Bypassing

(1) Bypassing not Exceeding Permit Limitations - The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if the bypass is for essential maintenance to assure efficient operation. This type of bypassing is not subject to the reporting and notification requirements of Part A.3.c above.

(2) Other Bypassing - In all other situations bypassing is prohibited unless the following conditions are met:

(a) A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage";

(b) There are no feasible alternatives to a bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment down-time. (This condition is not satisfied if the permittee could have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance); and

(c) The permittee submitted the necessary reports required under Part A.3.c above.

(3) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the 3 conditions listed above.

e. Adverse Impact

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from non-compliance with this permit.

f. Facilities Operation

The permittee shall at all times maintain in good working order and properly operate all facilities and systems (and related appurtenances) for collection and treatment which are installed or used by the permittee for water pollution control and abatement to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes but is not limited to effective performance based on designed facility removals, adequate funding, effective management, adequate operator staffing and training, and adequate laboratory and processing controls including appropriate quality assurance procedures. This provision includes the operation and backup of auxiliary facilities or similar systems when necessary to achieve compliance with this permit.

g. Reduction, Loss, or Failure of the Treatment Facilities

Where the permittee is a manufacturing, commercial, mining, or silvicultural discharger, then upon reduction, loss, or failure of the treatment facilities, and in order to maintain compliance with its permit, the permittee shall control production and all discharges until either the facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power of the treatment facility is reduced, lost, or fails.

h. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from adversely affecting the environment.

2. RESPONSIBILITIES

a. Right of Entry

Pursuant to Sections 5(b) and 305 of the Clean Streams Law and 25 Pa. Code, Chapter 92, the permittee shall allow the head of the Department, the EPA Regional Administrator, and/or their authorized representatives, upon the presentation of credentials and other documents as may be required by law:

(1) To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

(2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; to inspect any collection, treatment, pollution management, or discharge facilities required under this permit; and to sample any substances or parameters at any location.

b. Transfer of Ownership or Control

(1) No permit may be transferred unless approved by the Department.

(2) In the event of any pending change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the Department by letter of such pending change at least 30 days prior to the change in ownership or control.

(3) The letter shall be accompanied by the appropriate Department forms for transfer of this permit and a written agreement between the existing permittee and the new owner or controller stating that the existing permittee shall be liable for violations of this permit up to and until the date of permit transfer and that the new owner or controller shall be liable for permit violations from that date on.

(4) After receipt of the documentation required above, the Department shall notify the existing permittee and the new owner or controller of its decision concerning approval of the transfer. In approving the transfer the Department may modify or revoke and reissue this permit.

(5) In the event the Department does not approve transfer of this permit, the new owner or controller must submit a new permit application.

c. Confidentiality of Reports

Except for data determined to be confidential under 25 Pa. Code, Chapter 92, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department and the EPA Regional Administrator. Effluent data shall not be considered confidential.

d. Penalties and Liability

(1) Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for non-compliance pursuant to Section 309 of the Clean Water Act or Sections 602 or 605 of the Clean Streams Law.

(2) Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

e. Property Rights

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.

f. Other Laws

Nothing herein contained shall be construed to be an intent on the part of the Department to approve any act made or to be made by the permittee inconsistent with the permittee's lawful powers or with existing laws of the Commonwealth regulating industrial and sewage wastes and the practice of professional engineering, nor shall this permit be construed to sanction any act otherwise forbidden by federal or state law or regulations, or by local ordinance. Nor does it pre-empt any duty to obtain state or local assent required by law for the discharges.

g. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstances is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

OTHER REQUIREMENTS

a. In accordance with Part A.3.b of this permit, the permittee shall submit a copy of the reports to each of the following:

Department of Environmental Resources
Bureau of Water Quality Management
600 Highland Building
121 South Highland Avenue
Pittsburgh, Pennsylvania 15206-3988

U.S. Environmental Protection Agency
Region III, Pennsylvania Section (3WM52)
Water Permits Branch
Water Management Division
Sixth and Walnut Streets
Philadelphia, Pennsylvania 19106

b. For outfall 203, effective disinfection to control disease producing organisms shall be the production of an effluent which will contain a concentration of fecal coliform organisms not greater than

1. 200/100 ml as a monthly geometric mean, nor exceed 400/100 ml in more than ten percent of the samples examined during any month from May through October inclusive.

2. 1000/100 ml as a monthly geometric mean, nor exceed 2000/100 ml in more than ten percent of the samples examined during any month from November through April inclusive.

c. For Outfall 113, effective disinfection to control disease producing organisms shall be the production of an effluent which will contain a concentration of fecal coliform organisms not greater than

1. 200/100 ml as a monthly geometric mean, nor greater than 1000/100 ml in more than ten percent of the samples examined during any month from May through September inclusive.

2. 2000/100 ml as a monthly geometric mean based on five consecutive samples collected on different days during any month from October through April inclusive.

d. In no case shall the arithmetic means of the effluent values of the biochemical oxygen demand (BOD-5 Day) and suspended solids discharged during a period of 30 consecutive days exceed 15 percent of respective arithmetic means of the influent values for those parameters during the same time period except as specifically authorized by the Department.

e. There shall be no net addition of pollutants to non-contact cooling water over intake values except for heat, water conditioners (when used in accordance with the requirements of the Federal Insecticide, Fungicide, and Rodenticide Act), and as provided in Part A.2.q of this permit.

f. There shall be no discharge of polychlorinated byphenyl (PCB) compounds such as those commonly used for transformer fluid.

g. In cooling tower blowdown there shall be no detectable amount of the 126 priority pollutants from chemicals added for cooling tower maintenance. The 126 priority pollutants are listed at 40 CFR 423 - Appendix A, and "no detectable amount" means that the pollutants are not detectable by the analytical methods at 40 CFR 136.

h. Neither free available chlorine nor total residual chlorine may be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge free available or total residual chlorine at any one time unless the permittee can demonstrate to the Department that the units in a particular location cannot operate at or below this level of chlorination.

i. Waterborne releases of radioactive material to unrestricted areas shall conform to criteria set forth in Title 10 Code of Federal Regulations part 50 Appendix I - Numerical Guides for Design Objectives and Limiting Conditions For Operation To Meet The Criterion 'As Low As Is Reasonably Achievable' For Radioactive Material In Light-Water-Cooled Nuclear Reactor Effluents, as implemented through the Environmental Technical Specifications for the Facility. The facility operator shall provide the Department with copies of reports specifying the quantities of radioactive materials released to unrestricted areas in liquid/gaseous effluents. The facility operator shall provide the Department with copies of reports of the results of environmental surveillance activities and other such reports as necessary for the estimation of the dose consequential to facility operation. The above reports are to be forwarded to the following addresss:

Pennsylvania Department of Environmental Resources
Bureau of Radiation Protection and Toxicology
P.O. Box 2063
Harrisburg, Pennsylvania 17120

EHB-1 Rev 3/84

COMMONWEALTH OF PENNSYLVANIA

ENVIRONMENTAL HEARING BOARD

221 North Second Street
Third Floor
Harrisburg, Pennsylvania 17101
(717) 787-3483

NOTICE OF APPEAL

Any party desiring to appeal any action of the Department of Environmental Resources must file its Appeal *with this Board at the above address* within 30 days from date of receipt of notification of the Action.

1. Complete Name, Address and Telephone Number of Appellant:

   DUQUESNE LIGHT COMPANY
   One Oxford Centre
   301 Grant Street
   Pittsburgh, PA 15279
   412/393-6055

2. (a) Specify the action for which review is sought, the Department officials who took said actions, and the location of the proposed project including the municipality and county. Also, attach a copy of the letter, order or notification from which you are appealing. (b) Specify the date when the order or notice of the action appealed was received.

   (a) NPDES Permit PA0025615 (copy attached as Exhibit A) issued by Hugh V. Archer, Regional Water Quality Manager. Said Permit applies to the Beaver Valley Power Station, a nuclear power plant located in Shippingport Borough, Beaver County.
   (b) Permit received on November 29, 1984.

3. We appeal for the following reasons: (Specify objections to the action of the Department. Objections not raised herein may be deemed waived pursuant to Rule 21.51(e). If the objections are not sufficiently specific, the appellee may move for a more specific pleading pursuant to Rule 21.64 or Appellant may be required to file the first pre-hearing memorandum. (Attach additional sheets as may be required.)

   See attached sheets.

4. We hereby certify that we have served or mailed a copy of this appeal to
   (X) (a) the Bureau of Litigation, P.O. Box 2357, 514 Executive House, 101 South Second Street, Harrisburg, PA 17120.
   (X) (b) the Officer of the Department of Environmental Resources responsible for the action appealed, and
   ( ) (c) if the appeal is from the grant of a permit, license, approval or certification, a copy to the recipient thereof.

The information submitted is true and correct to the best of my information and belief:

Walter T. Wardzinski

SIGNATURE Walter T. Wardzinski - Vice President
Legal and Corporate Communications

*Signature of Appellant or Agent or Officer of Appellant if Appellant is not an individual. If you have authorized an attorney to represent you in this proceeding before the Board, please supply the following information:

Gene C. Bertsch, Esq. & Gerard F. Hickel, Esq.
(NAME) (Type or Print)
DUQUESNE LIGHT COMPANY
One Oxford Centre - 301 Grant Street
Pittsburgh, PA 15279
412/393-6055
(AREA CODE) PHONE NO.

NOTICE: FAILURE TO SUPPLY ANY OF THE ABOVE INFORMATION MAY RESULT IN THE DISMISSAL OF YOUR APPEAL.

ATTACHMENT - NOTICE OF APPEAL

3(a). Part C, requirement (h), of said Permit provides that:

"Neither free available chlorine nor total residual chlorine may be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge free available or total residual chlorine at any one time unless the permittee can demonstrate to the Department that the units in a particular location cannot operate at or below this level of chlorination.

(b). Appellant objects to Part C, requirement (h) in that it imposes an immediately-effective standard upon Appellant's facility. Appellant has recently become aware that the chlorination limits specified by requirement (h) are inadequate to control biofouling at its unit. Appellant cannot operate its unit at or below the prescribed level of chlorination and desires to make a demonstration of this fact to the Department, as permitted by requirement (h). Promptly upon discovery of the inadequacy of the prescribed chlorination limits, Appellant advised the Department thereof by letter of December 24, 1984) copy attached as Exhibit B), and also advised the Department of its desire to perform the demonstration authorized by requirement (h). In order to conduct such a demonstration, levels of chlorination exceeding those levels specified by requirement (h) will be necessary. If requirement (h) remains in force during the demonstration period, Appellant will be subject to

sanctions for exceedances of the chlorination level specified by requirement (h), thereby effectively denying Appellant the right to make its demonstration to the Department. Therefore, Appellant requests that the effectiveness of the chlorination limits specified by requirement (h) be suspended until Appellant has conducted its demonstration and the Department's ruling thereon has become final.

(c). Appellant further objects to requirement (h) in that the chlorination limits prescribed therein are ambiguous as to whether they apply to the dosing period or to the period of discharge into the river. The Department has by permit transmittal letter of November 26, 1984 (copy attached as Exhibit C) stated that it agrees with Appellant that the chlorination limits apply only to the dosing period, but such interpretation has not been reflected in the Permit, thereby exposing Appellant to possible actions by third parties, or by the Department, arising from a contrary interpretation of requirement (h). Therefore, Appellant requests that requirement (h) be amended by adding the following provision at the end thereof: "This limitation shall apply to the dosing period only."

(d). Part A, pages 2e and 21 of said Permit establish the following effluent limitations for free available chlorine:

"Maximum Daily Concentration -- 0.2 mg/l"

"Instantaneous Maximum Concentration -- 0.5 mg/l"

These numerical limitations were taken by the Department from United Stated Environmental Protection

Agency standards published at 40 CFR 125 and 423. The Environmental Protection Agency standards, however, clearly apply to daily average concentrations and to daily maximum concentrations, respectively, while the limitations of the Permit are ambiguous. The Department has verbally agreed with Appellant that the proper interpretation of the "maximum daily" limitation specified in the Permit is to apply the same to average daily discharge concentrations, in accordance with Environmental Protection Agency standards. This interpretation, however, is not reflected in the Permit, thereby exposing Appellant to possible actions arising from a contrary interpretation of the limitations. Therefore, Appellant requests that the free available chlorine effluent limitations specified at pages 2e and 21 of the Permit be amended to read as follows:

"Daily Average -- 0.2 mg/l"

"Daily Maximum -- 0.5 mg/l"