PA0000914, Industrial, SIC Code 8733, **Naval Reactors Lab Field Ofc**, PO Box 109, West Mifflin, PA 15122-0109. Facility Name: Bettis Atomic Power Lab. This existing facility is located in West Mifflin Borough, **Allegheny County**.

DEP Office: ***Southwest Regional Office***

Description of Existing Activity: The application is for a renewal of an NPDES permit for an existing discharge of treated Industrial Waste.

The receiving streams, Thompson Run (WWF) and Unnamed Tributaries of Thompson Run (WWF) are located in State Water Plan watersheds 19-A and 19-C and are classified for Warm Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.0317 MGD. - Interim Limits.

	Mass Units (lbs/day)		**Concentrations (mg/L)**			
Parameters	**Average Monthly**	**Average Weekly**	**Minimum**	**Average Monthly**	**Daily Maximum**	**IMAX**
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0
Total Residual Chlorine (TRC)	XXX	XXX	XXX	Report	Report	XXX
Temperature (deg F) (ºF)	XXX	XXX	XXX	XXX	XXX	110
Total Suspended Solids	XXX	XXX	XXX	25.0	50.0	XXX
Oil and Grease	XXX	XXX	XXX	15	XXX	30
Aluminum, Total	XXX	XXX	XXX	Report	Report	XXX
Antimony, Total (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Arsenic, Total (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Chromium, Hexavalent (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Copper, Total (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Iron, Dissolved	XXX	XXX	XXX	Report	Report	XXX
Iron, Total	XXX	XXX	XXX	Report	Report	XXX
Lead, Total	XXX	XXX	XXX	Report	Report	XXX
Zinc, Total (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Bromoform (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Chlorodibromomethane (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Dichlorobromomethane (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Chloroform (ug/L)	XXX	XXX	XXX	Report	Report	XXX

The proposed effluent limits for Outfall 001 are based on a design flow of 0.0317 MGD. - Final Limits.

Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	IMAX
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0
Total Residual Chlorine (TRC)	XXX	XXX	XXX	0.271	0.542	XXX
Temperature (deg F) (ºF)	XXX	XXX	XXX	XXX	XXX	110.0
Total Suspended Solids	XXX	XXX	XXX	25.0	50.0	XXX
Oil and Grease	XXX	XXX	XXX	15.0	XXX	30.0
Aluminum, Total	XXX	XXX	XXX	0.75	0.75	XXX
Antimony, Total (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Arsenic, Total (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Chromium, Hexavalent (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Copper, Total (ug/L)	XXX	XXX	XXX	20.0	31.0	XXX
Iron, Dissolved	XXX	XXX	XXX	Report	Report	XXX
Iron, Total	XXX	XXX	XXX	1.5	3.0	XXX
Lead Total (ug/L)	XXX	XXX	XXX	Report	Report	XXX
Zinc, Total (ug/L)	XXX	XXX	XXX	236.0	251.0	XXX
Bromoform (ug/L)	XXX	XXX	XXX	10.0	16.0	XXX
Chlorodibromomethane (ug/L)	XXX	XXX	XXX	1.0	1.5	XXX
Dichlorobromomethane (ug/L)	XXX	XXX	XXX	1.3	2.0	XXX
Chloroform (ug/L)	XXX	XXX	XXX	Report	Report	XXX

The proposed effluent limits for Outfall 006 are based on a design flow of 0 MGD. - Interim Limits.

Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	IMAX
pH (S.U.)	XXX	XXX	Report Inst Min	XXX	XXX	Report
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX
Aluminum, Total	XXX	XXX	XXX	XXX	Report	XXX
Iron, Total	XXX	XXX	XXX	XXX	Report	XXX

The proposed effluent limits for Outfall 006 are based on a design flow of 0 MGD. - Final Limits.

Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	IMAX
pH (S.U.)	XXX	XXX	Report Inst Min	XXX	XXX	Report
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX
Aluminum, Total	XXX	XXX	XXX	XXX	0.75	XXX
Iron, Total	XXX	XXX	XXX	XXX	3.0	XXX

The proposed effluent limits for Outfall 007 are based on a design flow of 0.778 MGD. - Interim Limits.

Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	IMAX
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0
Total Suspended Solids	XXX	XXX	XXX	30.0	XXX	75.0
Aluminum, Total	XXX	XXX	XXX	Report	Report	XXX
Iron, Dissolved	XXX	XXX	XXX	XXX	XXX	7.0
Iron, Total	XXX	XXX	XXX	Report	Report	XXX
trans-1,2-Dichloroethylene	XXX	XXX	XXX	0.005	XXX	0.0125
Tetrachloroethylene	XXX	XXX	XXX	0.0022	XXX	0.0055
Trichloroethylene	XXX	XXX	XXX	0.005	XXX	0.0125

The proposed effluent limits for Outfall 007 are based on a design flow of 0.778 MGD. - Final Limits.

Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	IMAX
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0

Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	IMAX
Total Suspended Solids	XXX	XXX	XXX	30.0	XXX	75.0
Aluminum, Total	XXX	XXX	XXX	0.75	0.75	XXX
Iron, Total	XXX	XXX	XXX	1.5	3.0	XXX
trans-1,2-Dichloroethylene (ug/L)	XXX	XXX	XXX	5.0	XXX	12.5
Tetrachloroethylene (ug/L)	XXX	XXX	XXX	0.8	1.2	2.0
Trichloroethylene (ug/L)	XXX	XXX	XXX	2.9	4.5	7.2

The proposed effluent limits for Outfall 008 are based on a design flow of 0 MGD. - Interim Limits.

Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	IMAX
pH (S.U.)	XXX	XXX	Report Inst Min	XXX	XXX	Report
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX
Aluminum, Total	XXX	XXX	XXX	XXX	Report	XXX
Iron, Total	XXX	XXX	XXX	XXX	Report	XXX

The proposed effluent limits for Outfall 008 are based on a design flow of 0 MGD. - Final Limits.

Parameters	Mass Units (lbs/day)		Concentrations (mg/L)			
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	IMAX
pH (S.U.)	XXX	XXX	Report Inst Min	XXX	XXX	Report
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX
Aluminum, Total	XXX	XXX	XXX	XXX	0.75	XXX
Iron, Total	XXX	XXX	XXX	XXX	3.0	XXX

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 412-442-4000.

The EPA Waiver is in effect