



June 23, 2000

Mr. George J. Malosh  
Brookhaven Group Manager  
U. S. Department of Energy  
Brookhaven Group  
Upton, NY 11973

Dear Mr. Malosh:

**SUBJECT: NPDES - Discharge Monitoring Report (DMR) for May 2000**  
**REFERENCE: Letter from Scott Mallette to K. Brog dated June 12, 2000**

Included as Attachment I, please find the DMR for the month of May 2000. Chemical analyses for the reported parameters are conducted by a NYS Department of Health certified contractor laboratory. Copies of the analytical reports are contained in Attachments II, and III. Field measured parameters (pH, settleable solids, flow) are recorded and/or measured by either the Plant Engineering Division, Sewage Treatment Plant (STP) Operators or Environmental Services Division, Field Sampling Team.

With the exception of two excursions for the total zinc concentration for Outfall 001, review of the analytical data shows that all parameters met their respective SPDES effluent limitations this reporting period. With regard to zinc, samples collected on May 4, 2000, and May 8, 2000, exhibited zinc concentrations of 0.127 mg/L and 0.148 mg/L respectively. These values exceed the SPDES permit limit of 0.100 mg/L. A Noncompliance Report has been prepared and included as Attachment IV. Please note that for the majority of the Outfalls, flow measurements are conducted either weekly or monthly; consequently, a daily maximum flow rate cannot be reported. All flow values reported for Outfalls 002, 003, 004, 005, 006A, and 006B are, therefore, daily averages.

Collection and analysis of these samples are performed in accordance with the guidelines of the BNL Quality Assurance (QA) program. These guidelines include the routine calibration of instruments, standard operating procedures for collection and analysis of samples, use of standard methods of analysis, and validation of the contractor analytical data by the BNL analytical services laboratory. All samples are collected by BNL personnel. A QA inspection is performed periodically on contractor laboratories. The QA documentation is available from the Environmental Services Division (ESD) and Plant Engineering (PE) Divisions. Based on this information, we believe the values reported on the DMR are representative of the effluent from the BNL during the month of May 2000.

Please sign each page of the DMR where indicated and transmit the DMR and associated attachments to the New York State Department of Environmental Conservation and the Suffolk County Department of Health Services no later than June 30, 2000.

If there are any questions regarding the information contained on the DMR or the analytical data packages, please do not hesitate to contact R. Lee (ESD) at extension 3148 or M. Allocco (ESD) at extension 3166.



Sincerely,

E.A. Zimmerman, CEP, REM, CEA, CESM  
Division Manager

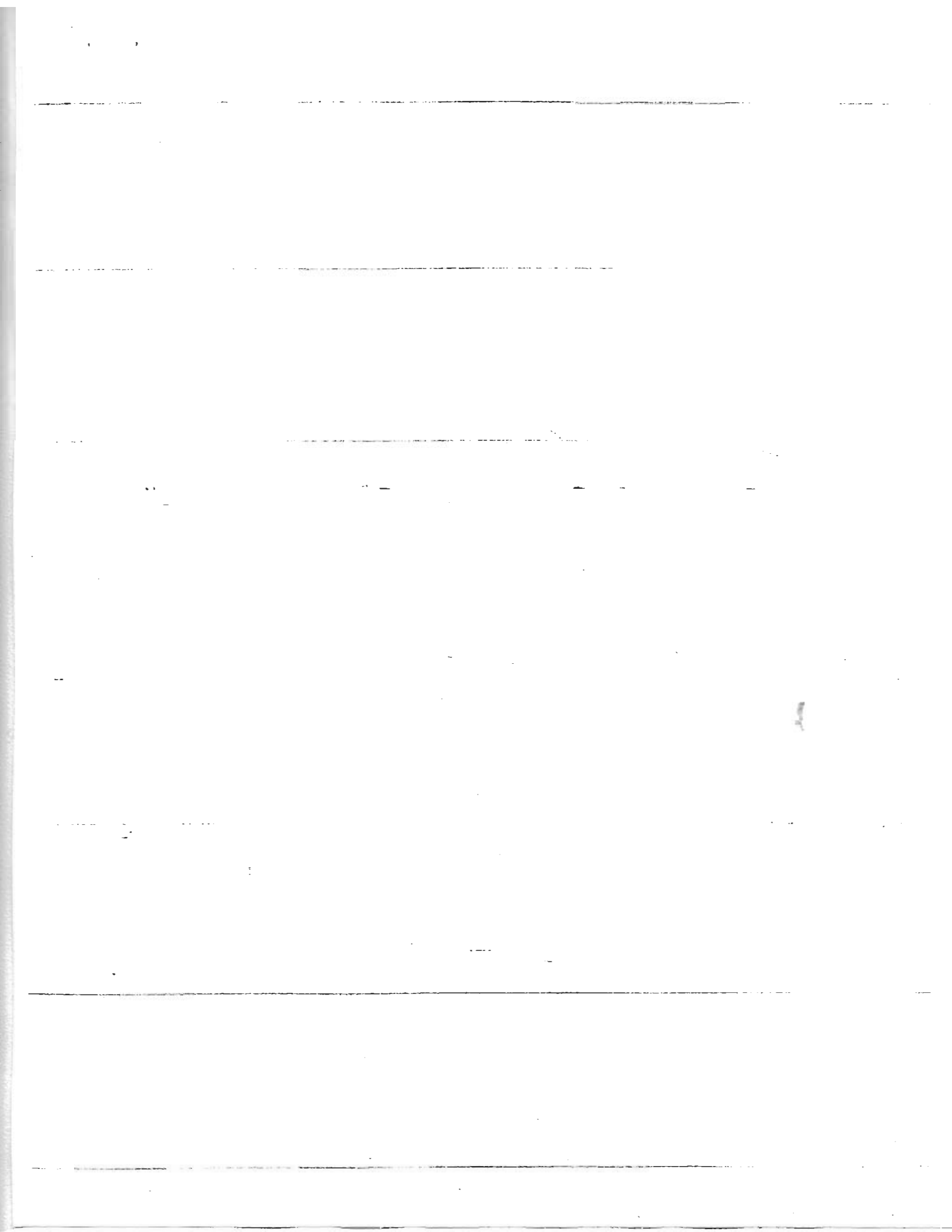
- EAF/MA:rt
- Attachment I: Discharge Monitoring Report for May 2000,
- Attachment II: Analytical Results from H2M Labs for samples collected on 5/4/00 and 5/8/00 from Outfall 001,
- Attachment III: Analytical Results from H2M Labs for samples collected from Outfalls 002, 003, 005, 006A, 006B, 007, 008, and 010,
- Attachment IV: Non-Compliance Report for May SPDES Permit Excursion, Table I - Zinc Concentrations for BNL Outfall 001 and STP Influent, and Figure 1 - Zinc Concentration Trends for BNL Outfall 001 and STP Influent.
- cc: K. Brog w/o attachments  
W. Chaloupka w/attachments  
G. Granzen w/o attachments  
M. Hart w/o attachments  
C. Johnson w/o attachments  
D. Van Duyne w/attachments  
R. Lee w/attachments  
E. Lessard w/o attachments  
D. Lowenstein w/o attachments  
E. Murphy w/attachments  
S. Ozaki w/o attachments  
W. Reeside w/o attachments  
L. Ross w/attachments  
R. Travis w/attachments

EC4220.00

**Brookhaven National Laboratory**  
**SPDES Permit No. NY0005835**  
**Discharge Monitoring Report for May 2000**  
Discharge Monitoring Report Notes:

1. There was no discharge from Outfalls 002A and 002B during this reporting period.
2. Since flow records are maintained on a weekly or monthly basis, the flow rate provided is the daily average.
3. Flow is estimated based upon an instantaneous flow measurement and the assumption that flow continued for the entire day (i.e., 1,440 minutes).
4. The total zinc concentration was below the performance criteria of 0.1 mg/L for samples collected on 5/4/00 and 5/8/00. Please see Attachment IV for a description of this excursion. Table I details the zinc concentrations from March through June 2000, for Outfall 001 and STP Influent. Figure I presents the trends for zinc concentration at Outfall 001 and the STP Influent for the same time period.

**ATTACHMENT I**  
**BROOKHAVEN NATIONAL LABORATORY**  
**SPDES PERMIT NO. NY0005835**  
**DISCHARGE MONITORING REPORT FOR MAY 2000**  
**FOR OUTFALLS NO. 001 – 010**



NAME U S D O E  
ADDRESS BROOKHAVEN NATIONAL LABORATORY  
53 BELL AVE, BLDG 464  
UPTON  
FACILITY BROOKHAVEN NATIONAL LABORATORY  
LOCATION UPTON  
ATTN: GEORGE MALOSH, GROUP MGR

NY 11973  
NY 11973

NY0005835  
PERMIT NUMBER

001 M  
DISCHARGE NUMBER

MONITORING PERIOD  
YEAR MO DAY YEAR MO DAY  
00 05 01 00 05 31

MAJOR (SUBR 01)  
F - FINAL  
PROCESS SANIT & STORMWTR RNOFF

\*\*\* NO DISCHARGE \*\*\*  
NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
TEMPERATURE, WATER	*****	*****	UNITS	*****	*****	( 15)	0	daily	Grab
DEG. FAHRENHEIT	*****	*****	*****	*****	*****	DEG.F	0	daily	Grab
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	( 19)	0	2/MO	COMP24
PH	*****	*****	*****	*****	*****	MG/L	0	daily	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	( 12)	0	daily	GRAB
PH	*****	*****	*****	*****	*****	SU	0	daily	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	( 19)	0	2/MO	COMP24
SOLIDS, TOTAL	*****	*****	*****	*****	*****	MG/L	0	daily	GRAB
SOLIDS, SETTLEABLE	*****	*****	*****	*****	*****	( 25)	0	daily	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	ML/L	0	2/MO	COMP2
NITROGEN, TOTAL (AS N)	*****	*****	*****	*****	*****	( 19)	0	2/MO	COMP2
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	MG/L	0	2/MO	COMP2
NITROGEN, AMMONIA	*****	*****	*****	*****	*****	( 19)	0	2/MO	COMP2
TOTAL (AS N)	*****	*****	*****	*****	*****	MG/L	0	2/MO	COMP2
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	MG/L	0	2/MO	COMP2
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	MG/L	0	2/MO	COMP2

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
Mr. George Malosh  
Group Manager  
Group Manager

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
34  
631-344-4324

AREA CODE NUMBER  
YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFB'S. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS

THIS IS A 4-PART FORM PAGE OF

NAME U S D O E

ADDRESS BROOKHAVEN NATIONAL LABORATORY  
53 BELL AVE, BLDG 464  
UPTON NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY  
LOCATION UPTON NY 11973  
ATTN: GEORGE MALOSH, GROUP MGR

NY0005835  
PERMIT NUMBER

001  
DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
00	05	01	00	05	31

FROM

MAJOR (SUBR 01)  
PROCESS SAMIT & STORMWTR R

\*\*\* NO DISCHARGE \*\*\*  
NOTE: Read Instructions before completing this

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM		
PHOSPHORUS, TOTAL (AS P)	***	***	***	***	1.5	(19)	0	2/MO
EFFLUENT GROSS VALUE	***	***	***	***	<10	MG/L	0	2/MO
CYANIDE, TOTAL (AS CN)	***	***	***	***	0.06	UG/L	0	2/MO
EFFLUENT GROSS VALUE	***	***	***	***	0.18	MG/L	0	2/MO
COPPER, TOTAL (AS CU)	***	***	***	***	0.002	MG/L	0	2/MO
EFFLUENT GROSS VALUE	***	***	***	***	0.009	MG/L	0	2/MO
LEAD, TOTAL (AS PB)	***	***	***	***	0.003	MG/L	0	2/MO
EFFLUENT GROSS VALUE	***	***	***	***	0.003	MG/L	0	2/MO
NICKEL, TOTAL (AS NI)	***	***	***	***	0.003	MG/L	0	2/MO
EFFLUENT GROSS VALUE	***	***	***	***	0.003	MG/L	0	2/MO
SILVER, TOTAL (AS AG)	***	***	***	***	0.003	MG/L	0	2/MO
EFFLUENT GROSS VALUE	***	***	***	***	0.003	MG/L	0	2/MO

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DA
Mr. George Malosh Group Manager	631-344-3424	
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER YEAR
		631-344-3424

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE I BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILTR FROM SF



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 53 BELL AVE, BLDG 464  
 UPTON

NY 11973  
 FACILITY BROOKHAVEN NATIONAL LABORATORY  
 LOCATION UPTON NY 11973  
 ATTN: GEORGE MALOSH, GROUP MGR

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 NY0005835 PERMIT NUMBER  
 001 M DISCHARGE NUMBER

MONITORING PERIOD  
 YEAR MO DAY YEAR MO DAY  
 FROM 00 05 01 TO 00 05 31

Form Approved.  
 OMB No. 2040-0004  
 MAJOR (SUBR 01)  
 FINAL  
 PROCESS SANIT & STORHWTR RROF

\*\*\* NO DISCHARGE \*\*\*  
 NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAV TY
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
ZINC, TOTAL (AS ZN) See Note 4	*****	*****	*****	*****	0.15	( 19)	2	2/MO	COM
01092 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	DAILY	MG/L		ONCE/MO	COM
TOLUENE	*****	*****	*****	*****	< 1	( 28)	0	2/MO	GRA
34010 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	DAILY	UG/L		ONCE/MO	COM
METHYLENE CHLORIDE	*****	*****	*****	*****	< 1	( 28)	0	2/MO	GRA
34423 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	DAILY	UG/L		ONCE/MO	COM
1,1,1-TRICHLOROETHANE	*****	*****	*****	*****	< 1	( 28)	0	2/MO	GRA
34506 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	DAILY	UG/L		ONCE/MO	COM
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.6	1.9	( 03)	*****	*****	UG/L	0	CONTINUOUS	RCORDR
50050 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	UG/L		ONCE/MO	COM
MERCURY, TOTAL (AS HG)	*****	*****	*****	*****	0.0001	( 19)	0	2/MO	COM
71900 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	0.0001	MG/L		ONCE/MO	COM
COLIFORM, FECAL GENERAL	*****	*****	*****	*****	< 2	( 13)	0	2/MO	COM
74055 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	DAILY	100ML		ONCE/MO	COM

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mr. George Malosh  
 Group Manager

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 631-344-3424

DATE

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INC BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFB. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS



PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
 NAME 0 S D O E  
 ADDRESS BROOKHAVEN NATIONAL LABORATORY  
 53 BELL AVE, BLDG 464  
 UPTON  
 FACILITY BROOKHAVEN NATIONAL LABORATORY  
 LOCATION UPTON  
 ATTN: GEORGE MALOSH, GROUP MGR

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 MAJOR (SUBR 01)  
 P - FINAL  
 PROCESS SANIT & STOCHMIE RHOFF  
 \*\*\* NO DISCHARGE \*\*\*  
 NOTE: Read Instructions before completing this form.

Form Approved.  
 OMB No. 2040-0004

PARAMETER	QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMP TYP
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
2-BUTANONE	*****	*****	*****	*****	*****	*****	( 28)	0	2/MO	GRAB	
78356 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	UG/L	0	1/MO	CALC	
BOD, 5-DAY PERCENT REMOVAL	*****	*****	*****	*****	*****	*****	PER-CENT	0	1/MO	CALC	
81010 K 0 0 PERCENT REMOVAL	*****	*****	*****	*****	*****	*****	PER-CENT	0	1/MO	CALC	
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****	*****	*****	*****	*****	PER-CENT	0	1/MO	CALC	
81011 K 0 0 PERCENT REMOVAL	*****	*****	*****	*****	*****	*****	PER-CENT	0	1/MO	CALC	
SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****					

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mr. George Malosh  
 Group Manager

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

631-344-3424  
 AREA CODE NUMBER

TELEPHONE

DATE

1. Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INC. BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFB.  
 SEE PERMIT FOR ADDITIONAL NOTES CONCERNING IN-SITU REQUIREMENTS

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 NAME **U S D O E**  
 ADDRESS **BROOKHAVEN NATIONAL LABORATORY**  
**53 BELL AVE, BLDG 464**  
**UPTON**  
**NY 11973**  
 FACILITY **BROOKHAVEN NATIONAL LABORATORY**  
 LOCATION **UPTON**  
**NY 11973**  
 ATTN: **GEORGE MALOSH, GROUP MGR**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

Form Approved.  
 OMB No. 2040-0004

MAJOR  
 (SUBR 01)  
 P - FINAL  
 BRAHMS (1002) & PHOBOS (1010) CT

NY0005835 PERMIT NUMBER  
 002 A DISCHARGE NUMBER

MONITORING PERIOD  
 YEAR MO DAY TO YEAR MO DAY  
 00 05 01 TO 00 05 31

\*\*\* NO DISCHARGE | X | \*\*\*  
 NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
PR	*****	*****	***	*****	*****	*****	( 12 )				
00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	*****	*****	SO				
OIL & GREASE	*****	*****	***	*****	*****	*****	( 19 )				
00556 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	*****	*****	MG/L				
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	*****	No Discharge	***	*****	*****	*****	***				
50050 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	*****	*****	***				
See Note 1											

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE **PRINCIPAL EXECUTIVE OFFICER**  
 Mr. George Malosh  
 Group Manager  
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
 631-344-3424  
 AREA CODE NUMBER

TELEPHONE  
 DATE  
 YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 DISCHARGE MAY BE DIRECTED TO SURROUNDING LOW LYING AREA INSIDE ROADWAY THAT IS INSIDE RHIC RING. ONCE SH COLLECTION SYS IS EXTENDED TO 1010, THE PHOBOS DETECTOR'S C T B SHOULD BE DIRECTED TO OUTFALL #002 & BRAHMS C T B SHOULD BE DIRECTED TO NEW RECHARGE BASIN. NO CRT CHEMS WITHOUT PRIOR DEC APPROVAL.









PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
 NAME U S D O E

ADDRESS BROOKHAVEN NATIONAL LABORATORY  
 53 BELL AVE, BLDG 464

UPTON  
 FACILITY BROOKHAVEN NATIONAL LABORATORY  
 LOCATION UPTON

ATTN: GEORGE MALOSH, GROUP MGR

NY 11973  
 NY 11973

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

NY 0005835  
 PERMIT NUMBER

004 N  
 DISCHARGE NUMBER

MONITORING PERIOD  
 YEAR MO DAY TO YEAR MO DAY  
 00 05 01 TO 00 05 31

Form Approved.  
 OMB No. 2040-0004

MAJOR  
 (SURR 01)  
 F - FINAL

MRR NON-CONTACT COOLG WTR (HP)

\*\*\* NO DISCHARGE |  | \*\*\*

NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				NO. EX	FREQ. OF ANALYSIS	SAMP TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM			
PH									0	1/MO	GRA
EFFLUENT GROSS VALUE									0	ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT									0	ONCE/MONTH	RCOR
EFFLUENT GROSS VALUE									0	ONCE/MONTH	RCOR
See Note 2											

NAME/TITLE	PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
	Mr. George Malosh Group Manager		631-344-3424	
TYPED OR PRINTED		AREA CODE	NUMBER	YEAR MO D/

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments, here)  
 SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS & REQUIREMENTS

PERMITTEE NAME/ADDRESS (Include Facility Name, Location if Different)  
 NAME U S D O E  
 ADDRESS BROOKHAVEN NATIONAL LABORATORY  
 53 HELL AVE, BLDG 464  
 UPTON NY 11973  
 FACILITY BROOKHAVEN NATIONAL LABORATORY  
 LOCATION UPTON NY 11973  
 ATTN: GEORGE MALOSH, GROUP MGR

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)  
 NY0005835 PERMIT NUMBER  
 005 M DISCHARGE NUMBER  
 MONITORING PERIOD  
 YEAR MO DAY YEAR MO DAY  
 FROM 00 05 01 TO 00 05 31

MAJOR (SUBR 01)  
 F - FINAL  
 NLSLS COOLING TOWER BLDN ETC (HS)

\*\*\* NO DISCHARGE \*\*\*  
 NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLING TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
PH							0	4/MO	GR
00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	REPORT MINIMUM *****	7.1	7.3	0	ONCE/MONTH	GRA
00556 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	8.5 MAXIMUM	0	ONCE/MONTH	GRA
00556 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	< 5	0	1/MONTH	GRA
00550 1 0 0 EFFLUENT GROSS VALUE	*****	0.17	***** (03)	*****	*****	DAILY MAX	0	4/MO	PCO
See Note 2	*****	*****	*****	*****	*****	*****	0	ONCE/MONTH	PCO
	*****	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	*****			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mr. George Malosh  
 Group Manager

TYPED OR PRINTED

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS & REQUIREMENTS

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
 631-344-3424

TELEPHONE  
 631-344-3424

DATE  
 YEAR MO

AREA CODE  
 NUMBER

YEAR MO



NAME U S D O E

ADDRESS BROOKHAVEN NATIONAL LABORATORY  
53 BELL AVE, BLDG 464  
UPTON

NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION UPTON NY 11973

ATTN: GEORGE MALOSH, GROUP MGR

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

NY0005835

PERMIT NUMBER

007 M

DISCHARGE NUMBER

MONITORING PERIOD

YEAR MO DAY TO YEAR MO DAY

00 05 01 TO 00 05 31

FROM

MAJOR

(SUBR 01)

F - FINAL

WATER TREATMENT PLT BKWSH (HX)

\*\*\* NO DISCHARGE \*\*\*

NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLI TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW RATE	*****	320,000	( 07 )	*****	*****	*****	0	1/MO	RCOR
See Note 2 00058 EFFLUENT GROSS VALUE	*****	REPORT DAILY MX	GPD	*****	*****	*****	0	ONCE/MO	INST
00400 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	0	1/MO	GRAB
TOTAL (AS FK)	*****	*****	*****	*****	*****	*****	0	ONCE/MO	GRAB
01045 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	0	1/MO	GRAB
IRON, DISSOLVED (AS FE)	*****	*****	*****	*****	*****	*****	0	ONCE/MO	GRAB
01046 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	0	ONCE/MO	GRAB
	*****	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	*****			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Mr. George Malosh  
Group Manager

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

631-344-3424

DATE

YEAR MO DA

AREA CODE NUMBER

YEAR MO DA

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (reference all attachments here)

SAMPLES TO BE COLLECTED AT EFFLUENT PIPE TO WHICHEVER BASIN IS IN OPERATION AT THE TIME. STANDING WATER IN EITHER BASIN SHALL NOT BE COLLECTED FOR DMR SAMPLING PURPOSES.

SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS & REQUIREMENTS.

NAME U S D O E  
 ADDRESS BROOKHAVEN NATIONAL LABORATORY  
 53 BELL AVE, BLDG 464  
 UPTON NY 11973  
 FACILITY BROOKHAVEN NATIONAL LABORATORY  
 LOCATION UPTON NY 11973  
 ATTN: GEORGE MALOSH, GROUP MGR

NY0005835 PERMIT NUMBER  
 008 M DISCHARGE NUMBER

MONITORING PERIOD  
 YEAR 00 MO 05 DAY 01 TO YEAR 00 MO 05 DAY 31

MAJOR (SUBR 01)  
 F - FINAL  
 STORMWTR RUNOFF WAREHOUSE (HW)

\*\*\* NO DISCHARGE \*\*\*  
 NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				NO. EX	FREQ. OF ANALYSIS	SAMP. TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM			
FLOW RATE		98,570	(07)						0	1/MO	INST
See Note 3		REPORT DAILY HY	GPD							ONCE/MO	INST
EFFLUENT GROSS VALUE										1/MO	GRAB
PH										ONCE/MO	GRAB
00400 1 0 0										1/MO	GRAB
EFFLUENT GROSS VALUE										ONCE/MO	GRAB
OIL & GREASE										ONCE/MO	GRAB
00556 1 0 0										ONCE/MO	GRAB
EFFLUENT GROSS VALUE										ONCE/MO	GRAB
1,1-DICHLOROETHYLENE										ONCE/MO	GRAB
34501 1 0 0										ONCE/MO	GRAB
EFFLUENT GROSS VALUE										ONCE/MO	GRAB
1,1,1-TRICHLOROETHANE										ONCE/MO	GRAB
34506 1 0 0										ONCE/MO	GRAB
EFFLUENT GROSS VALUE										ONCE/MO	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Mr. George Malosh  
 Group Manager

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 631-344-3424

DATE

AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 PARAMETERS EXCEPT FOR FLOW TO BE SAMPLED MONTHLY DURING A STORM EVENT. (IF NO DISCHARGE, ENTER AN "X" IN THE "NO DISCHARGE" BOX AT THE UPPER RIGHT.) SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS & REQUIREMENTS.





NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
NAME U S D O E  
ADDRESS BROOKHAVEN NATIONAL LABORATORY  
53 BELL AVE, BLDG 464  
UPTON  
FACILITY BROOKHAVEN NATIONAL LABORATORY  
LOCATION UPTON  
ATTN: GEORGE MALOSH, GROUP MGR

NY0005835 PERMIT NUMBER  
06B M DISCHARGE NUMBER

MONITORING PERIOD  
YEAR MO DAY TO YEAR MO DAY  
00 05 01 TO 00 05 31

MAJOR (SUBR 01)  
P - FINAL  
COOLING TOWER FROM 919 ETC (HT2)

\*\*\* NO DISCHARGE \*\*\*  
NOTE: Read Instructions before completing this form.

PARAMETER	QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				NO. EX	FREQ. OF ANALYSIS	SAMI TYF
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM			
PH	*****	*****		7.4	*****		7.4	*****	0	4/MO	GRAI
EFFLUENT GROSS VALUE	*****	*****	***	REPORT MINIMUM	*****	9.0	*****	*****	0	ONCE/MONTH	GRAI
OIL & GREASE	*****	*****	***	*****	*****	MAXIMUM	< 5	*****	0	1/MO	GRAI
EFFLUENT GROSS VALUE	*****	*****	***	*****	*****	15	*****	*****	0	ONCE/MONTH	GRAI
FLOW IN CONDUIT OR THRU TREATMENT PLANT	*****	0.13	*** (03)	*****	*****	DAILY NY	*****	*****	0	4/MO	RCOI
EFFLUENT GROSS VALUE	*****	*****	***** HGD	*****	*****	*****	*****	*****	0	ONCE/MONTH	RCOI
(SEE NOTE 2)											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
Mr. George Malosh  
Group Manager

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
631-344-3424

DATE

AREA CODE NUMBER YEAR MO C

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS & REQUIREMENTS