Environmental Services Division

BROOKHAVEN
NATIONAL LABORATORY

OFFICIAL ESD RECORD
DO NOT DESTROY

81 Cornell Ave., Bldg. 120
P. O. Box 5000
Upton, NY 11973-5000
Phone 631 344-8370
Fax 631 344-6079
zimmerman@bnl.gov

Managed by Brookhaven Science Associates
for the U.S. Department of Energy

December 27, 2002

Mr. Scott Mallette
Director, Operations Management Division
U. S. Department of Energy
Brookhaven Area Office
Upton, NY 11973

Dear Mr. Mallette:

Subject: NPDES - Discharge Monitoring Report (DMR) for November 2002
Reference: Letter from Mallette to Cunniff

Included as Attachment I, please find the DMR for the month of November 2002. 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 the Plant Engineering Division, Sewage Treatment Plant Operators or the Environmental Services Division, Field Sampling Team.

Review of the analytical data shows that all parameters met their respective SPDES effluent limitations this reporting period. Collection and analysis of the SPDES permit samples are performed in accordance with the guidelines of the BNL Quality Assurance 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. Brookhaven National Laboratory personnel collected all samples. A Quality Assurance inspection is performed periodically on contractor laboratories. The Quality Assurance documentation is available from the Environmental Services Division and Plant Engineering 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 November 2002.

During evaluation of the data reported by H2M Laboratories, inconsistencies were noted for the sewage treatment plant influent and effluent metals results. Extremely low concentrations were noted for the influent sample collected on November 7, 2002 while very high concentrations were noted for the effluent sample collected on November 12. BNL staff suspected that either the two samples were mixed-up at H2M or the data was misreported; consequently, the samples were shipped to Severn Trent Laboratories for reanalysis. The Severn Trent data confirmed that the results were reversed. The Severn Trent results are therefore reported on the DMR. Since Severn Trent did not have the time to analyze the samples for mercury, the H2M data for mercury is reported.

NSF
REGISTERED TO
ISO 14001: 1996

C:\Allocco\Nov02DMR.Doc

109562

This is the first submittal of the computer generated DMR instead of the pre-printed one as per agreement with the NYSDEC. 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 December 28, 2002. 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 at extension 3148 or M. Allocco at extension 3166.

Sincerely,

Robert Lee (for)

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

EZ/MA:car

Attachment I: Computer generated Discharge Monitoring Report for November 2002.

Attachment II: Analytical Results from H2M Labs and Severn Trent Laboratories for samples collected on 11/7/02 and 11/12/02 from Outfall 001.

Attachment III: Analytical Results from H2M Labs for samples collected from Outfalls 002, 002B, 005, 006A, 006B, 008, and 010.

cc:	M. Allocco	w/attachments	M. Baldwin	w/attachments
	M. Bebon	w/o attachments	K. Brog	w/o attachments
	W. Chaloupka	w/attachments	S. Dierker	w/o attachments
	G. Granzen	w/o attachments	J. Higbie	w/attachments
	C. Johnson	w/o attachments	R. Lee	w/attachments
	E. Lessard	w/o attachments	D. Lowenstein	w/o attachments
	E. Murphy	w/attachments	A. Queirolo	w/o attachments
	V. Radeka	w/o attachments	D. Van Duyne	w/attachments
	M. Petersen	w/o attachments	E. Zimmerman	w/o attachments

EC62ER.02

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ATTACHMENT I

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR NOVEMBER 2002

FOR OUTFALLS NO. 001 – 010

REGISTERED TO
ISO 14001: 1996

NSF's Registrations Program is accredited by the American National Standards Institute-Registrar Accreditation Board

Brookhaven National Laboratory
SPDES Permit No. NY0005835
Discharge Monitoring Report for November 2002
Discharge Monitoring Report Notes:

1. The reported concentration is estimated at less than the method detection limit but greater than the instrument detection limit.

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 percent removal for Total Suspended Solids was calculated using one-half the method detection limit as the value for all concentrations reported as less than the method detection limit (<MDL). An error occurred at the analytical laboratory during the analysis that resulted in a higher MDL than usual.

NSF
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PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME U S D O E
ADDRESS BROOKHAVEN NATIONAL LABORATORY
BROOKHAVEN AREA OFFICE
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	MAJOR (SUBR 01) F - FINAL

Monitoring Period From YR	MO	DY	To YR	MO	DY
02	11	01	02	11	30

PROCESS SANIT & STORMWTR RNOFF
*** No Discharge ☐ ****

Note: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	******	******		******	******	61	(15)	0	01/01	GR
00011 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	90 DAILY MX	DEG.F		DAILY	GRAB
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	******	******		******	< 2	< 2	(19)	0	02/30	24
00310 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	10 DAILY AV	20 DAILY MX	MG/L		ONCE/MONTH	COMP24
PH	SAMPLE MEASUREMENT	******	******		6.1	******	6.6	(12)	0	01/01	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	5.8 MINIMUM	******	9.0 MAXIMUM	SU		DAILY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	******	******		******	< 6	< 6	(19)	0	02/30	24
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	10 DAILY AV	20 DAILY MX	MG/L		ONCE/MONTH	COMP24
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	******	******		******	******	0.0	(25)	0	01/01	GR
00545 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	0.1 DAILY MX	ML/L		DAILY	GRAB
NITROGEN, TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	******	3.9	(19)	0	02/30	24
00600 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	10 DAILY MX	MG/L		ONCE/MONTH	COMP24
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	******	******		******	******	< 0.1	(19)	0	02/30	24
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	2 DAILY MX	MG/L		ONCE/MONTH	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		
Mr. Michael Holland Area 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.	Telephone 631-344-3424
Typed or Printed	Signature of Principal Executive Officer or Authorized Agent	Date Signed

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

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ADDRESS BROOKHAVEN NATIONAL LABORATORY
BROOKHAVEN AREA OFFICE
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	MAJOR (SUBR 01) F - FINAL

Monitoring Period From YR	MO	DY	To YR	MO	DY
02	11	01	02	11	30

PROCESS SANIT & STORMWTR RNOFF

*** No Discharge ☐ ****

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PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	****	******	******	1.4	(19) MG/L	0	02/30	24
	PERMIT REQUIREMENT	******	******	****		******	REPORT DAILY MX			ONCE/MONTH	COMP24
CYANIDE, TOTAL (AS CN) 00720 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	****	******	******	< 10	(28) UG/L	0	02/30	GR
	PERMIT REQUIREMENT	******	******	****		******	100 DAILY MX			TWICE/MONTH	GRAB
COPPER, TOTAL (AS CU) 01042 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	****	******	******	0.04	(19) MG/L	0	02/30	24
	PERMIT REQUIREMENT	******	******	****		******	0.15 DAILY MX			ONCE/MONTH	COMP24
IRON, TOTAL (AS FE) 01045 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	****	******	******	0.16	(19) MG/L	0	02/30	24
	PERMIT REQUIREMENT	******	******	****	******	******	0.37 DAILY MX			ONCE/MONTH	COMP24
LEAD, TOTAL (AS PB) 01051 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	****	******	******	< 0.003	(19) MG/L	0	02/30	24
	PERMIT REQUIREMENT	******	******	****	******	******	0.019 DAILY MX			ONCE/MONTH	COMP24
NICKEL, TOTAL (AS NI) 01067 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	****	******	******	0.007	(19) MG/L	0	02/30	24
	PERMIT REQUIREMENT	******	******	****	******	******	0.11 DAILY MX			ONCE/MONTH	COMP24
SILVER, TOTAL (AS AG) 01077 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******	****	******	******	< 0.001	(19) MG/L	0	02/30	24
	PERMIT REQUIREMENT	******	******	****	******	******	0.015 DAILY MX			ONCE/MONTH	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			
Mr. Michael Holland Area Group Manager Typed or Printed	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.	Signature of Principal Executive Officer or Authorized Agent	Telephone 631-344-3424 Date Signed

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

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME U S D O E
ADDRESS BROOKHAVEN NATIONAL LABORATORY
BROOKHAVEN AREA OFFICE
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

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

Monitoring Period					
From			To		
YR	MO	DY	YR	MO	DY
02	11	01	02	11	30

*** No Discharge ☐ ****

Note: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
ZINC, TOTAL (AS ZN)	SAMPLE MEASUREMENT	******	******		******	******	0.07	(19)	0	02/30	24
01092 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	0.1 DAILY MX	MG/L		ONCE/MONTH	COMP24
TOLUENE	SAMPLE MEASUREMENT	******	******		******	******	< 1	(28)	0	02/30	GR
34010 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	5 DAILY MX	UG/L		TWICE/MONTH	GRAB
METHYLENE CHLORIDE	SAMPLE MEASUREMENT	******	******		******	******	< 1	(28)	0	02/30	GR
34423 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	5 DAILY MX	UG/L		TWICE/MONTH	GRAB
1,1,1-TRICHLORO-ETHANE	SAMPLE MEASUREMENT	******	******		******	******	< 1	(28)	0	02/30	GR
34506 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	5 DAILY MX	UG/L		TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.31	0.44	(03)	******	******	******		0	99/99	RC
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	2.3 DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RCORDR
MERCURY, TOTAL (AS HG)	SAMPLE MEASUREMENT	******	******		******	******	0.0001	(19)	0	02/30	24
71900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	0.0008 DAILY MX	MG/L		ONCE/MONTH	COMP24
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	******	******		******	< 2	< 2	(13)	0	02/30	GR
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	200 DAILY AV	400 DAILY MX	#/ 100ML		ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		
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Typed or Printed	Signature of Principal Executive Officer or Authorized Agent	Date Signed

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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	MAJOR (SUBR 01) F - FINAL

Monitoring Period From YR	MO	DY	To YR	MO	DY
02	11	01	02	11	30

PROCESS SANIT & STORMWTR RNOFF
*** No Discharge ☐ ****

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PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
2-BUTANONE	SAMPLE MEASUREMENT	******	******		******	******	< 5	(28)	0	02/30	GR
78356 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	50 DAILY MX	UG/L		TWICE/MONTH	GRAB
BOD, 5-DAY PERCENT REMOVAL	SAMPLE MEASUREMENT	******	******		> 94	******	******	(23)	0	01/30	CA
81010 K 0 0 PERCENTREMOVAL	PERMIT REQUIREMENT	******	******	**** ****	85 MO AV MN	******	******	PERCENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	******	******		> 92	******	******	(23)	0	01/30	CA
81011 K 0 0 See Note 4 PERCENT REMOVAL	PERMIT REQUIREMENT	******	******	**** ****	85 MO AV MN	******	******	PERCENT		ONCE/MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			
Mr. Michael Holland Area 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.		Telephone 631-344-3424
Typed or Printed		Signature of Principal Executive Officer or Authorized Agent	Date Signed

Comments and Explanation of any violations (Reference all attachments here)

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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	002 B Discharge Number

Monitoring Period From YR	MO	DY	To YR	MO	DY
02	11	01	02	11	30

MAJOR
(SUBR 01)
F - FINAL
RF (1004) & BRAHMS (1002) BLOWDN
*** No Discharge ☐ ****

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PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******	(07)	7.9	******	7.9	(12)	0	01/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	GPD	REPORT MINIMUM	******	9.0 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	< 5	(19)	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	******	0.0038	(03)	******	******	******		0	04/30	RC
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	MGD	******	******	******	**** ****		ONCE/MONTH	RCORDR
See Note 2	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		
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Typed or Printed	Signature of Principal Executive Officer or Authorized Agent	Date Signed

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 STORMWATER COLLECTION SYSTEM IS EXTENDED TO BLDG 1010 & A NEW RECHARGE BASIN IS CONSTRUCTED, DISCARGE SHOULD BE TO NEW BASIN.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

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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	002 M Discharge Number	MAJOR (SUBR 01) F - FINAL

Monitoring Period From YR	MO	DY	To YR	MO	DY
02	11	01	02	11	30

AGS NON-C COOLNG,PRCP,ETC (HN)
*** No Discharge ☐ ****

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PH	SAMPLE MEASUREMENT	******	******		6.9	******	7.6	(12)	0	04/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	9.0 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	< 5	(19)	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.47	******	(03)	******	******	******		0	04/30	RC
50050 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	******	MGD	******	******	******	**** ****		ONCE/MONTH	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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Typed or Printed	Signature of Principal Executive Officer or Authorized Agent	Date Signed

Comments and Explanation of any violations (Reference all attachments here)

SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS. SAMPLING FOR THIS OUTFALL SHALL BE CONDUCTED AT A LOCATION DOWNSTREAM OF WHERE EXISTING DISCHARGE MIXES WITH THE COOLING TOWER BLOWDOWN FROM THE STAR DETECTOR.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME U S D O E
ADDRESS BROOKHAVEN NATIONAL LABORATORY
BROOKHAVEN AREA OFFICE
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	MAJOR (SUBR 01) F - FINAL

Monitoring Period From YR	MO	DY	To YR	MO	DY
02	11	01	02	11	30

NSLS COOLING TOWR BLDN ETC(HS)
*** No Discharge ☐ ****

Note: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		6.8	******	7.8	(12)	0	04/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	8.5 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	< 5	(19)	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.21	******	(03)	******	******	******		0	04/30	RC
50050 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	******	MGD	******	******	******	**** ****		ONCE/MONTH	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		
Mr. Michael Holland Area 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.	Telephone 631-344-3424
Typed or Printed	Signature of Principal Executive Officer or Authorized Agent	Date Signed

Comments and Explanation of any violations (Reference all attachments here)
SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME U S D O E
ADDRESS BROOKHAVEN NATIONAL LABORATORY
BROOKHAVEN AREA OFFICE
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	MAJOR (SUBR 01) F - FINAL

Monitoring Period From YR	MO	DY	To YR	MO	DY
02	11	01	02	11	30

WATER TREATMENT PLT BKWSH (HX)
*** No Discharge ☐ ****

Note: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW RATE	SAMPLE MEASUREMENT	******	240000	(07)	******	******	******	****	0	105/30	IN
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	GPD	******	******	******			ONCE/MONTH	INSTAN
PH	SAMPLE MEASUREMENT	******	******		7.3	******	7.3	(12)	0	01/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	9.0 MAXIMUM	SU		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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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 AND REQUIREMENTS.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*

NAME U S D O E

ADDRESS BROOKHAVEN NATIONAL LABORATORY
BROOKHAVEN AREA OFFICE
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	008 M Discharge Number	MAJOR (SUBR 01) F - FINAL

Monitoring Period From YR	MO	DY	To YR	MO	DY
02	11	01	02	11	30

STORMWTR RUNOFF WAREHOUSE (HW)

*** No Discharge ☐ ****

Note: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW RATE See Note 3	SAMPLE MEASUREMENT	******	17400	(07)	******	******	******		0	01/30	IN
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	GPD	******	******	******	**** ****		ONCE/MONTH	INSTAN
PH	SAMPLE MEASUREMENT	******	******		7.1	******	7.1	(12)	0	01/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	8.5 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	< 5	(19)	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****		******	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
1,1-DICHLOROETHYLENE	SAMPLE MEASUREMENT	******	******		******	******	< 1	(28)	0	01/30	GR
34501 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	5 DAILY MX	UG/L		ONCE/MONTH	GRAB
1,1,1-TRICHLORO-ETHANE	SAMPLE MEASUREMENT	******	******		******	******	< 1	(28)	0	01/30	GR
34506 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	5 DAILY MX	UG/L		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		
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Typed or Printed	Signature of Principal Executive Officer or Authorized Agent	Date Signed

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 AND REQUIREMENTS.

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ADDRESS BROOKHAVEN NATIONAL LABORATORY
BROOKHAVEN AREA OFFICE
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	010 M Discharge Number

MAJOR
(SUBR 01)
F - FINAL
STORMWTR R O CENTRAL STEAM (H)
*** No Discharge ☐ ****

Monitoring Period From YR	MO	DY	To YR	MO	DY
02	11	01	02	11	30

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PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW RATE See Note 3	SAMPLE MEASUREMENT	******	205000	(07)	******	******	******		0	01/30	IN
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	GPD	******	******	******	**** ****		ONCE/MONTH	INSTAN
PH	SAMPLE MEASUREMENT	******	******		7.3	******	7.3	(12)	0	01/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	8.5 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	< 5	(19)	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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ADDRESS BROOKHAVEN NATIONAL LABORATORY
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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	06A M Discharge Number

Monitoring Period From YR	MO	DY	To YR	MO	DY
02	11	01	02	11	30

MAJOR
(SUBR 01)
F - FINAL
LINAC NCCW, FLOOR DNS,ETC(HT1)
*** No Discharge ☐ ****

Note: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.3	******	7.6	(12)	0	04/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	9.0 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	< 5	(19)	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.048	******	(03)	******	******	******		0	04/30	RC
50050 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	******	MGD	******	******	******	**** ****		ONCE/MONTH	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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BROOKHAVEN AREA OFFICE
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	06B M Discharge Number	MAJOR (SUBR 01) F - FINAL

Monitoring Period From YR	MO	DY	To YR	MO	DY
02	11	01	02	11	30

COOLING TOWR FROM 919 ETC(HT2)
*** No Discharge ☐ ****

Note: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.2	******	7.5	(12)	0	04/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	REPORT MINIMUM	******	9.0 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT	******	******		******	******	< 5	(19)	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	******	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.65	******	(03)	******	******	******		0	04/30	RC
50050 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	******	MGD	******	******	******	**** ****		ONCE/MONTH	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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