



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

November 18, 2004

New York State Department of
Environmental Conservation
Division of Water
Bureau of Wastewater Facilities Operation
625 Broadway, 4th Floor
Albany, NY 12233-3506

Gentlemen:

**SUBJECT: State Pollutant Discharge Elimination System (SPDES) NY-0005835
Brookhaven National Laboratory (BNL) Discharge Monitoring Report (DMR)
for October 2004**

In accordance with our SPDES permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of October 2004. Severn Trent Laboratories, Inc. (NELAP Certification #11616) performs most of the analyses on SPDES samples, while H2M Labs, Inc. (NELAP Certification #10478) performs the BOD-5, Nitrogen series, and fecal coliform analyses and CHEMTEX Environmental Laboratory, Inc. (NELAP Certification #02077) performs specialty analyses for tolytriazole, hydroxyethylidene diphosphoric acid, and polypropylene glycol monobutyl ether. These laboratories are certified by the New York State Department of Health. Field measured parameters (pH, settleable solids, flow) are recorded and/or measured by BNL. Copies of the analytical reports will be retained in our files and will be made available upon request.

Review of the analytical data shows that all parameters met their respective SPDES effluent limitations.

Collection and analysis of these samples are performed in accordance with the BNL Quality Assurance (QA) program that specifies the standard operating procedures for collection and analysis of samples, QA data requirements, validation of contractor analytical data, and QA inspections performed periodically on contractor laboratories. All QA data, data validation reports, contractor laboratory assessment and audit reports are available upon request. Based on this information, we believe the values reported on the DMR are representative of the effluent from BNL during the month of October 2004.



REGISTERED TO
ISO 14001: 1996



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

If you should have any questions, please contact Marcia Allocco or Robert Lee of my staff at (631) 344-3166 and (631) 344-3148 respectively.

Sincerely,

Original Signed by G. Goode

George A. Goode
Environmental & Waste Management Services
Division Manager

GAG/MA:car

Attachment I: Discharge Monitoring Report for October 2004.

Attachment II: Analytical Results from H2M Labs Inc. and Severn Trent Laboratories, Inc. for samples collected on 10/4/04 and 10/6/04 from Outfall 001 (BNL Use Only).

Attachment III: Analytical Results from Severn Trent Laboratories for samples collected from Outfalls 002, 005, 006A, 006B, 008, 010, and 012 (BNL Use Only).

- | | | |
|-----|------------------------------------|---|
| cc: | M. Allocco, w/ all Attachments | M. Baldwin, w/ all Attachments |
| | M. Bebon, w/o Attachments | W. Chaloupka, w/ all Attachments |
| | S. Dierker, w/ all Attachments | G. Goode, w/o Attachments |
| | G. Granzen, w/ all Attachments | M. Holland, w/o Attachments |
| | C. Johnson, w/o Attachments | R. Lee, w/ all Attachments |
| | E. Lessard, w/ all Attachments | D. Lowenstein, w/o Attachments |
| | E. Murphy, w/ all Attachments | V. Radeka, w/ all Attachments |
| | A. Santino, SCDHS, w/ Attachment I | R. Sorrentino, NYSDEC, w/ Attachment I |
| | B. Style, w/o Attachments | J. Tarpinian, w/o Attachments |
| | D. Van Duyne, w/ all Attachments | J. Zamirowski, TAS, CH, w/ Attachment I |

EC62ER.04

Brookhaven National Laboratory
SPDES Permit No. NY0005835
Discharge Monitoring Report for October 2004
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. Flow is estimated based upon an instantaneous flow measurement and the assumption that flow continued for the entire day (i.e., 1,440 minutes).
3. There was no discharge from Outfall 002B during this reporting period.
4. The analytical laboratory reported the analyte concentration with a "B" data qualifier. The data qualifier indicates that the compound was found in the associated laboratory blank during the analysis of the sample.

ATTACHMENT I

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR OCTOBER 2004

FOR OUTFALLS NO. 001 – 010

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

NAME USDOE
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						001 M					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

MAJOR (SUBR 01)
 F - FINAL
 PROCESS SANIT & STORMWTR RNOFF
 *** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	72	(15)	0	01/01	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	90 DAILY MX	DEG.F		DAILY	GRAB
BOD, 5-DAY (20 DEG. C) 00310 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	*****	< 2	< 2	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	10 DAILY AV	20 DAILY MX	MG/L		ONCE/MONTH	COMP24
PH 00400 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	6.2	*****	7.2	(12)	0	01/01	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	5.8 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	*****	1.5	2	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	10 DAILY AV	20 DAILY MX	MG/L		ONCE/MONTH	COMP24
SOLIDS, SETTLEABLE 00545 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	0.0	(25)	0	01/01	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.1 DAILY MX	ML/L		DAILY	GRAB
NITROGEN, TOTAL (AS N) 00600 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	6.8	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	10 DAILY MX	MG/L		ONCE/MONTH	COMP24
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	< 0.10	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	2 DAILY MX	MG/L		ONCE/MONTH	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Division Manager Environmental & Waste Management Services Division 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.	Telephone 631-344-4549
		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

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

NAME USDOE
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						001 M					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

MAJOR (SUBR 01)
 F - FINAL
 PROCESS SANIT & STORMWTR RNOFF
 *** No Discharge ***

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PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	2.3	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****		*****	REPORT DAILY MX	MG/L		ONCE/MONTH	COMP24
CYANIDE, TOTAL (AS CN) 00720 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	8.8	(28)	0	02/30	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****		*****	100 DAILY MX	UG/L		TWICE/MONTH	GRAB
COPPER, TOTAL (AS CU) 01042 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.036	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****		*****	0.15 DAILY MX	MG/L		ONCE/MONTH	COMP24
IRON, TOTAL (AS FE) See Note 4 01045 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.15	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****		*****	0.37 DAILY MX	MG/L		ONCE/MONTH	COMP24
LEAD, TOTAL (AS PB) 01051 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 0.0030	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****		*****	0.019 DAILY MX	MG/L		ONCE/MONTH	COMP24
NICKEL, TOTAL (AS NI) See Note 1 01067 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0047	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****		*****	0.11 DAILY MX	MG/L		ONCE/MONTH	COMP24
SILVER, TOTAL (AS AG) See Note 1 01077 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0016	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****		*****	0.015 DAILY MX	MG/L		ONCE/MONTH	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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 631-344-4549
Division Manager Environmental & Waste Management Services Division		Signature of Principal Executive Officer or Authorized Agent
Typed or Printed		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 EXFILTRATION FROM SFB'S. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS

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

NAME USDOE
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						001 M					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

MAJOR (SUBR 01)
 F - FINAL
 PROCESS SANIT & STORMWTR RNOFF
 *** 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) See Note 4 01092 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.04	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.1 DAILY MX	MG/L		ONCE/MONTH	COMP24
TOLUENE 34010 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	< 1.0	(28)	0	03/30	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	5 DAILY MX	UG/L		TWICE/MONTH	GRAB
METHYLENE CHLORIDE See Note 1 34423 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	1.6	(28)	0	03/30	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	5 DAILY MX	UG/L		TWICE/MONTH	GRAB
1,1,1-TRICHLORO-ETHANE 34506 1 0 0	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	< 1.0	(28)	0	03/30	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	5 DAILY MX	UG/L		TWICE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	0.26	0.31	(03)	*****	*****	*****		0	99/99	RC
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	2.3 DAILY MX	MGD	*****	*****	*****	****		CONTINUOUS	RCORDR
MERCURY, TOTAL (AS HG) See Note 1 71900 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0001	(19)	0	02/30	24
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.0008 DAILY MX	MG/L		ONCE/MONTH	COMP24
COLIFORM, FECAL GENERAL 74055 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	< 2	< 2	(13)	0	02/30	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	200 DAILY AV	400 DAILY MX	#/ 100ML		ONCE/MONTH	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Division Manager Environmental & Waste Management Services Division 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.	Telephone 631-344-4549
		Signature of Principal Executive Officer or Authorized Agent
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 LOCATION UPTON NY 11973
 ATTN: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						001 M					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

MAJOR (SUBR 01)
 F - FINAL
 PROCESS SANIT & STORMWTR RNOFF
 *** No Discharge ***

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PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
2-BUTANONE	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 2.0	(28)	0	03/30	GR
78356 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	50			TWICE/MONTH	GRAB
EFFLUENT GROSS VALUE				****			DAILY MX	UG/L			
BOD, 5-DAY PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		> 94	*****	*****	(23)	0	01/30	CA
81010 K 0 0	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****			ONCE/MONTH	CALCTD
PERCENTREMOVAL				****	MO AV MN			PERCENT			
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		> 99	*****	*****	(23)	0	01/30	CA
81011 K 0 0	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****			ONCE/MONTH	CALCTD
PERCENT REMOVAL				****	MO AV MN			PERCENT			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Division Manager Environmental & Waste Management Services Division 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.	Telephone 631-344-4549
		Signature of Principal Executive Officer or Authorized Agent Date Signed

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

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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: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						002 B					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

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

Note: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	See Note 3	*****	*****	(07)		*****		(12)			GR
00400 1 0 0 EFFLUENT GROSS VALUE		*****	*****	GPD	REPORT MINIMUM	*****	9.0 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE	See Note 3	*****	*****		*****	*****		(19)			GR
00556 1 0 0 EFFLUENT GROSS VALUE		*****	*****	**** ****	*****	*****	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		*****		(03)	*****	*****	*****				RC
50050 1 0 0 EFFLUENT GROSS VALUE	See Note 3	*****	REPORT DAILY MX	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 Division Manager Environmental & Waste Management Services Division 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.	Telephone 631-344-4549
		Signature of Principal Executive Officer or Authorized Agent

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, DISCHARGE SHOULD BE TO NEW BASIN.

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: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						002 M					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

MAJOR (SUBR 01)
 F - FINAL
 AGS NON-C COOLNG,PRCP,ETC (HN)
 *** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		7.2	*****	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	*****	*****		*****	*****	< 5.0	(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	0.15	*****	(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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		Signature of Principal Executive Officer or Authorized Agent

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: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						005 M					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

MAJOR (SUBR 01)
 F - FINAL
 NSLS COOLING TOWR BLDN ETC(HS)
 *** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.6	(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	*****	*****		*****	*****	< 5.0	(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	0.093	*****	(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 Division Manager Environmental & Waste Management Services Division 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.	Telephone 631-344-4549
		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: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						007 M					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

MAJOR (SUBR 01)
 F - FINAL
 WATER TREATMENT PLT BKWSH (HX)
 *** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE	SAMPLE MEASUREMENT	*****	400000	(07)	*****	*****	*****		0	17/30	IN
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	REPORT DAILY MX	GPD	*****	*****	*****			ONCE/MONTH	INSTAN
PH	SAMPLE MEASUREMENT	*****	*****		6.5	*****	6.5	(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: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						008 M					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

MAJOR (SUBR 01)
 F - FINAL
 STORMWTR RUNOFF WAREHOUSE (HW)
 *** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE See Note 2 00056 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	375000	(07)	*****	*****	*****		0	01/30	IN
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MONTH	INSTAN
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	6.8	*****	6.8	(12)	0	01/30	GR
	PERMIT REQUIREMENT	*****	*****	****	REPORT MINIMUM	*****	8.5 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE 00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	< 5.0	(19)	0	01/30	GR
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
1,1-DICHLOROETHYLENE 34501 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	< 1.0	(28)	0	01/30	GR
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	5 DAILY MX	UG/L		ONCE/MONTH	GRAB
1,1,1-TRICHLOROETHANE 34506 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	< 1.0	(28)	0	01/30	GR
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	5 DAILY MX	UG/L		ONCE/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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		Signature of Principal Executive Officer or Authorized Agent

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.

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: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						010 M					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

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

Note: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE See Note 2 00056 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	95000	(07)	*****	*****	*****		0	01/30	IN
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MONTH	INSTAN
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	6.6	*****	6.6	(12)	0	01/30	GR
	PERMIT REQUIREMENT	*****	*****	****	REPORT MINIMUM	*****	8.5 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE 00556 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	*****	< 5.0	(19)	0	01/30	GR
	PERMIT REQUIREMENT	*****	*****	****	*****	*****	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
	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: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						06A M					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

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

Note: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		7.5	*****	7.8	(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	*****	*****		*****	*****	< 5.0	(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	0.12	*****	(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										
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 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: MICHAEL HOLLAND, GROUP MGR

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

NY0005835						06B M					
Permit Number						Discharge Number					
Monitoring Period											
From						To					
YR	MO	DY	YR	MO	DY	YR	MO	DY	YR	MO	DY
04	10	01	04	10	31						

MAJOR (SUBR 01)
 F - FINAL
 COOLING TOWER FROM 919 ETC(HT2)
 *** No Discharge ***

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PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*****	*****		7.4	*****	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	*****	*****		*****	*****	< 5.0	(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	0.013	*****	(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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