**Environmental Services Division** 



Building 535A P.O. Box 5000 Upton, NY 11973-5000 Phone 631 344-8370 Fax 631 344-5812 cunniff@bnl.gov

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

www.bnl.gov

May 16, 2001

Mr. Michael Holland Brookhaven Area Manager U. S. Department of Energy Brookhaven Group Upton, NY 11973

Dear Mr. Holland:

SUBJECT: NPDES - Discharge Monitoring Report (DMR) for April 2001 REFERENCE: Letter from Robert Desmarais to Cunniff dated May 1, 2001

Included as Attachment I, please find the DMR for the month of April 2001. 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.

All parameters met their respective SPDES effluent limitations this reporting period. Please note that for the majority of the Outfalls, flow measurements are conducted weekly or monthly; consequently, a daily maximum flow rate cannot be reported. All flow values reported for Outfalls 001, 002, 003, 004, 005, 006A, and 006B are, therefore, daily averages. 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 April 2001.

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 May 28, 2001. 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,

Lori Cunniff, CEP Division Manager

LEC/MA:pvg

Attachment I: Discharge Monitoring Report for April 2001.

Attachment II: Analytical Results from H2M Labs for samples collected on 4/2/01 and 4/5/01

from Outfall 001.

Attachment III: Analytical Results from H2M Labs for samples collected from Outfalls 002, 003,

005, 006A, 006B, 007, 008, and 010.

W. Chaloupka w/attachments cc: M. Allocco w/attachments G. Granzen w/o attachments w/o attachments L. Cunniff J. Higbie w/attachments C. Johnson w/o attachments S. Krinsky w/o attachments R. Lee w/attachments D. Lowenstein w/o attachments E. Lessard w/o attachments w/o attachments E. Murphy w/attachments A. Queirolo T. Sheridan w/o attachments R. Travis w/attachments D. Van Duyne w/attachments

EC62ER.01

## Brookhaven National Laboratory SPDES Permit No. NY0005835 Discharge Monitoring Report for April 2001 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. There was no discharge from Outfalls 002A and 002B during this reporting period.
- 3. Since flow records are maintained on a weekly or monthly basis, the flow rate provided is the daily average.
- 4. Flow is estimated based upon an instantaneous flow measurement and the assumption that flow continued for the entire day (i.e., 1,440 minutes).

## ATTACHMENT I BROOKHAVEN NATIONAL LABORATORY SPDES PERMIT NO. NY0005835 DISCHARGE MONITORING REPORT FOR APRIL 2001 FOR OUTFALLS NO. 001 – 010

PERMITTEE NAME/ADDRESS (Include Faction NAME U S D O E ADDRESS BROOKHAVEN NATI		Electrical Control	NATIONAL POL DISC		AHGE ELIMINATION SYS ITORING REPORT (DI	Military Commission of the Com	iajor Subr 013	Fi O	Form Approved. OMB No. 2040-0004		
53 BELL AVE BL UPTON FACILITY BROOKHAVEN NATI LOCATION UPTON	DG 454	E. E.	PERM VEAR	TRUMB≣F MGN MG = MGN		RGE NUMBER	- FINAL ROCESS S	F.º E	1- Š	I REPRINT	OFF
ATTN: GEORGE MALOSH	SROUP HE		FROMO1_	04   50			* NO DI NOTE: Read I	retructions before	lgmos,	<b>★◆</b> ening this i	iorm.
3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3		GUAI	TITTY OF LOADING	<b>:</b>	ું કે, કું વા	JANTITY OR CO	NCENTRATION		NO		SAMPLE
PARAMETER		AVERAGE .	EMAXIMUME	UNITS,	EMINIMUM	AVENAGE	MAXIMUN			OF. ANALYSIS	TYPE
TEMPERATURE, WATER	SAMPLE	844466	*****		-	*****	<b>∵</b>	( 15)	# P		49
DEG. FAHRENHEIT	MEASUREMENT				1 7 2 3	a recommend the scale of influence security	< 63	a a a	<u>,</u> 0 ≒	5 <i>[</i> ,7 <sup>§</sup>	GRAB
00011 1 0 0 EFFLUENT GROSS VALUE	PEHMIT HEQUIREMENT			5000				DEG.F			
BOD, 5-DAY	SAMPLE	****	****		******	33		( 19)	5 1	3 (2.00)	22
(20 DEG. C)	MEASUREMENT	10	106 5 5	28		<b>E (2</b>	(2)		0	2/MO	COMP24
00310 1 0 0	。PEIM®			***						NE FY	io, p.
EFFLUENT GROSS VALUE			and the second s	***				1		HONTH	
PH	SAMPLE MEASUREMENT	****		4 4	5.9	****	6.4	€ 12)		5/7 E	GRAB
00400 1 0 0	PERMIT			- 					-	AILX	
EFFLUENT GROSS VALUE	I Amount in the			<b>***</b>				i su		₽ <b>%</b> 》	
SOLIDS, TOTAL	SAMPLE	****	****	100	200000			( 19)	3		(Paris)
SUSPENDED	MEASUREMENT						<b>ঁ (4</b> )	a de la companya de l	0	2/MO	COMP2
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT: REQUIREMENT			***				2502 253	\$4000 AND \$18	HOW! H	1.00
SOLIDS. SETTLEABLE	SAMPLE	****	****	5 8	****	****	Ved 1	( 25)		TURTER	1.7
	MEASUREMENT:	Mary C. Harrison					0.0	3 77	0	5/7~	GRAB
00545 1 0 0	LIPSHME &			***				Mark 1978 3	3 1		HA C
EFFLUENT GROSS VALUE		204044	000000	***				HL/L	3.1	<b>5.3</b> 0	97-198
NITROGEN, TOTAL (AS N)	SAMPLE MEASUREMENT						6.4	(19)	o d	2/MO	COMP24
00600 1 0 0	· EPERMITA		A CONTRACTOR OF THE PARTY OF TH	• • •							OAR24
EFFLUENT GROSS VALUE	REQUIREMENT			*** <u></u>				HE HG/L		HONTH	
NITROGEN, AMMONIA	SAMPLE MEASUREMENT	***	*****		*******	******	<b>*</b>	2 193		3 ::	
IDIAL (AS II)	PERMIT						0.4			2/MO	COMP24
00610 1 0 0 Effluent gross value				****				MG/L	23 C 30 C 4 C 2 C	HORTH	CHI2
NAME/TITLE PRINCIPAL EXECUTIVE OF	FFICER   I Certify		this document and all atta			J ()	C	TELEPHON		DA	
Mr. Michael Holland	to assu	re that qualified personne	upervision in accordance v properly gather and evalu	ate the informati	on :	A. 募令	<u> </u>		, ,	2 1	1-1
Area Group Manager	or thos	e persons directly respons	of the person or persons will be for gathering the Infor	riation, the infor	nation	<u>i i i i i i i i i i i i i i i i i i i </u>		631 344–34	24		
TYPED OR PRINTED	am av	vare that there are significa	nowledge and belief, true, a ant penalties for submitting	false information	the Contractor	URE OF PRINCIPA CER OR AUTHORIZ	L EXECUTIVE	ABEA		1 1	
COMMENTS AND EXPLANATION OF AN			d Imprisonment for knowing		e to the lite and the second		AULITI	CODE NUMBE		YEAR M	O DAY
QUANTITIES OR CONCEN BUT NOT LIMITED TO	TRATIONS USDOE ORD	OF RADIOAC ER 540045.	TIVITY INAPPROX'1	EFFLUE	NT ARE SUB. STP DISCHAI	JECT TO R	EQUIRENE E TO GW	NTS OF TH	E US	SOUE 1 ROM: SF	
EPA Form 3320-1 (REV 3/99) Previous	editions may be u	ised.	S AND REQU	IKEMEN	13	rd.		HIS IS A 4-PART	FORM	PAGE	OF

PERMITTEE NAME/ADDRESS (Include Facility NAME USD OE	DISCHARGE MONITORING REPORT (DMR)							Form Approved. OMB No. 2040-0004			
ADDRESS BROOKHAVEN NATION		ATORY		5835		OL N. e.	HAJOR (SUBR 01)	· · ·	. 140: 2040-00	104	
53 BELL AVE BLDG				IT NUMBER	Disk	HARGE NUMBER	F - FINAL		THE		
FACILITY		11973 21027			ORING PERIOL	the second secon	PROCESS SA	NIF & ST	DRHMTR"	RNOFF	
LOCATION	NY	11973	FROM YEAR	MO BAY	101 St.	MO DAY 30	es un nrs	CHARGE I	-		
ATTN: GEORGE MALOSH: S	ROUP HER	The state of the s	86			3	E NOTE: Read the	lructions before	ompleting this	s form.	
PARAMETER		O Z GUANT	ITY OR LOADING			QUANTITY OR C	ONCENTRATION		NO. FREQUENC		
		AVERAGE	MUMIXAM	UNITE	MINIMUM	AVERAGE	E MAXIMUM	UNITS	EX OF ANALYSIS	TYPE	
PHOSPHORUS . TOTAL	SAMPLE	*****	*****		-	-		1 193	<del>+ 10 6</del>	1	
(AS P) ME	ASUREMENT					<b></b>	3 1.1		0 2/MÖ	COMP24	
EFFLUENT GROSS VALUE HE	ein eine							6 B 5			
CYANIDE. TOTAL	SAMPLE	-	# CEEPes			*****		HG/L			
	ASUREMENT						別く返し		0 2/MO	GRAB	
00720 1 0 0 EFFLUENT GROSS VALUERE				***						A SECTION	
COPPER. TOTAL	SAMPLE	44444	******					19)		a de	
1 0 11 2	ASUREMENT		L. E. I.C.				€ 0.03		0 2/MO	COMP2	
1 2 3 3 3 5	PERVIS A S			***						CONPA	
EFFLUENT GROSS VALUERE IRON. TOTAL	SAMPLE	****	244045	****	****			MEYL	A KUNT		
· · · · · · · · · · · · · · · · · · ·	ASUREMENT					****	0.17	( 19)	0 2/MO	COMP2	
	PERMITE: 4			***					SONGE Z	COAR2	
EFFLUENT GROSS VALUE RELEAD. TOTAL				****				MG/L	T House	The Wall British and the	
	SAMPLE ASUREMENT	****	*****		*****	*****	0.003	( 19)	3 3	: i)	
01051 1 0 0	PERMIT: 2			***		Add		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0   2/MO	COMP2	
EFFLUENT GROSS VALUE HE	-			****.				HG/L			
	SAMPLE ASUREMENT	****	*****	7	*****	*****		( Ta)		100	
and an army of the second seco	PBRMITE / S			***			3 0.004)		0 2/MO	COMP24	
EFFLUENT GROSS VALUERE		4		****				HEZL			
SILVER, TOTAL  (AS AG) See Note MEA	SAMPLE	*****	******	" 不重	*****		-et	( 19)			
	PERMIT			***	. H. H.	<b>15 2</b> 3	0.002	3834	0 2/MO	COMP24	
EFFLUENT GROSS VALUE REC		: 3.表面有		cose				HGZL S	ADKET.	HOUSE.	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICE	prepared ur	ler penalty of law that this ider my direction or supe	rvision in accomiance w	Nh a sustam dagle		A oli	i d	TELEPHONE		ATE	
Mr. Michael Holland	to assure the submitted.	at qualified personnel pro Based on my inquiry of fi	parly gather and evalue	te the information			, <u>S</u>	1 344-3424	12 -1-		
Area Group Manager	or those per	reons directly responsible	for gethering the inform	ietion, the informa	tion		· [2]				
TYPED OR PRINTED	i am aware	mat mere are significant i	Militardus for Submitting	المتعادة الم	Start - Oldie	ATURE OF PRINCIP FICER OR AUTHOR		NUMBER	YEAR M	40 500	
COMMENTS AND EXPLANATION OF ANY VI	DLATIONS (Refe	rence all attachmen	(Shere)	3 6 6 6	C. O. P. P.		C	DDE! NUMBER	12	MÖ   DAY	
MONUTTIES OR CONCENSE	AFIONS OF	- RADIGACT	TUITU IIN I	EFFLUEN	T ARE SU	Si inter Trees	REQUIRENEN	SODE. THE	USDOE	INCL	
BUT NOT LIMITED TO USI SEE PERMIT FOR ADDITION PA Form 3320-1 (REV 3/99) Previous editi	NAL NOTES	COMMENTS	_APPKUX 1	TO UP 3	ip Disch	ARGE CAN	BE TO GH VI	A SEXFIL T	FROM S		
EPA Form 3320-1 (HEV 3/99) Previous editi	ons may be used	],		/			TÙU	NO A A DADT FO	NO. 54.05		

ADDRESSBROOKHAVEN NATIONAL LABORATORY  53 BELL AVE, BLDG 464  NY 811973  NY 811973  NY 811973  NY 811973	lu in
FACILITY DOGOVERNOM NATIONAL LABORATORS	rr
ATTN: GEORGE MALOSH- GROUP MCR SECOND STATE STAT	w
GUANTITY OR LOADING GUANTITY OR CONCENTRATION NO FREQUENCY SA	MPLE YPE
PARAMETER SAVERAGE SMAXIMUM SUNITE SMINIMUM AVERAGE MAXIMUM SUNITES AVALUSIS	
ZINC - TOTAL SAMPLE SAM	<b>6</b> 0
	MP2
O1092 1 0 0 PERMIT PER	
TOLUENE SAMPLE S	44
MEASUREMENT 8 5 6 2/HO G	RAB
EFFLUENT GROSS VALUE REQUISEMENT	
WETHYLENE CHITISTINE SAMPLE STATES A STATES A STATES AND	12
MEASUREMENT 3 19 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	RAB
34423 1 0 0 PERMIT CONTROL OF THE PROPERTY OF	
In In In IR ICHI ORG SAMPLE SA	langt.
ETHANE MEASUREMENT S S U Z/MO G	RAB
34506 1 0 0 EPHINT CHEST AND STATE OF THE ST	48.
EFFLUENT GROSS VALUE REQUIREMENT & AND THE CONTINUOUS C	TĈ
THRU TREATMENT PLANT MEASUREMENT 0.4 0.6 0 0 CONTINUOL OCCUPANT OC	
50050 1 0 0 PERMIT STATE OF THE	
EFFLUENT GROSS VALUE REQUIREMENT CALL TO A STATE OF THE S	PERM PERM
IMPORTATION OF THE PARTY OF THE	MP2
71900 1 0 0 EPERMITE STATE OF THE PARTY OF T	
EFFLUENT GROSS VALUE REQUIREMENT AND SAMPLE STATE OF SAMPLE STATE OF SAMPLE STATE OF SAMPLE STATE OF SAMPLE SAMPLE STATE OF SAMPLE STATE OF SAMPLE SA	<b>1944</b>
I CONTILIANTA LEGISTRA 1 SAMILE 1 / LALES IN THE SECOND SECTION OF THE SECOND SECTION OF THE SECOND SECOND SECTION OF THE SECOND	RÁB
74.055 1 0 0 PERMIT ************************************	(1)
EFFLUENT GROSS VALUE REQUIREMENT	and the
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 property gather and evaluate the hitomation.	1
submitted. Based on my inquiry of the persons who manege the system [1]	i
submitted is, to the best of my knowledge and bellef, true, accurate and complete. SIGNATURE OF PRINCIPAL EXECUTIVE	<u> </u>
TYPED OR PRINTED Including the possibility of fine and imprisonment for knowing violations.	DAY
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachiments river) # 2	l T
BUT NOT LIMITED TO USDOE ORDER 5400\$5. APPROX'15% OF STP DISCHARGE CAN BE TO GU VIA EXFILT ERCHASE	* S=
SEE PERMIT FOR ADDITIONAL NOTES COMMENTS AND REQUIREMENTS  EPA Form 3320-1 (REV 3/99) Previous editions may be used.  THIS IS A 4-PART FORM PAGE	OF

PERMITTEE NAME/ADDRESS (Include Fa	icility Name/Location i	f Different)	NATIONAL PO DIS	LLUTANT DISCHA	ARGE ELIMINATION SYS TORING REPORT (DI	TEM (NPDES)	400	For OM	Form Approved. OMB No. 2040-0004		
USDOE  ADDRESSBROOKHAVEN NATI  53 BELL AVE BL	ONAL LABO	DRATORY		15835 IT NUMBERS		LA C	JOR UBR 01) - Final		noonsamusa, maaayaanka isa suugaa Magoo ka San San San	· · · · · · · · · · · · · · · · · · ·	
FACILITY UPTON LOCATION ROOKHAVEN NATI		W 11973.c	YEAR		ORING PERIOD	P.K	UCESS SAN	T & ST	DRHHTRE!	RNOFF	
UPTON ATTN: GEORGE MALOSH.			FROM 01	O4 ₹0		30 4	MO DISCI	IARCE I	completing thi	s form.	
PARAMETER		QUA AVERAGE	NTITY OR LOADING	A UNITE	EMINIMUM	AVERAGE		53 57 5	NO: FREQUENC EX: 90F ANALYSIS	TYPE	
2-BU TA NONE	SAMPLE MEASUREMENT	*****	ates e c		**************************************	****	MAXIMUM <1	<b>UNITS</b> ( 28)			
78356 1 0 0 EFFLUENT GROSS VALUE	**PERMITS							UEXL	-0 2/MO		
BOD. 5-DAY PERCENT REMOVAL	SAMPLE MEASUREMENT	204400	****	12		******	7.00	( 23)	0 2/MO	CALCTD	
81010 K O O PERCENTREMOVAL SOLIDS. SUSPENDED	PERMIT REQUIREMENT	*****		****				ER- CENT :			
PERCENT REMOVAL 81011 K 0 0	SAMPLE MEASUREMENT PERMIT	T T T T T T T T T T T T T T T T T T T			9 305		<b>33</b> ****	(23) (23)	0 2/M0	CALCID	
PERCENTREMOVAL	REQUIREMENT SAMPLE			****			<u> </u>	CENT	i i i i i i i i i i i i i i i i i i i		
	PERMIT: REQUIREMENT										
	SAMPLE MEASUREMENT		1,172								
	PERMIP REQUIREMENT			kers "si							
	SAMPLE MEASUREMENT				(計畫集)					12 m	
	EPERMITA REQUIREMENT SAMPLE										
	MEASUREMENT			1961. Official							
NAME/TITLE PRINCIPAL EXECUTIVE OF	FFICER   I Certif	y under penalty of law the	t this document and all atta supervision in accordance	schments were	aned .			TELEPHONE		DATE	
Mr. Michael Holland Area Group Manager	to assi submit or thos submit	ure that qualified personne tted. Based on my inquiry te persons directly respon tted is , to the best of my k ware that there are signific	of the person or persons to of the person or persons to sible for gathering the info mowledge and belief, true, and benefities for submitting	uste the information who manage the symmetry the symmetry and comments	etem, etlon plete. SIGNATI	JRE OF PRINCIPAL E	XECUTIVE	344-342	4		
COMMENTS AND EXPLANATION OF AN QUANTITIES OR CONCENBUT NOT LIMITED TO	Including (FOR ATIONS (FOR ATIONS OR	ng the possibility of fine a Reference all attachi DF_RADIOAC RER 5400-54	nd Imprisonment for knowledge in the control of the	EFFLUEN	T ARE SUBJ	ER OR AUTHORIZED JECT TO REC	I CO	NUMBER OF THE EX FIL	Lenor	INCL	
EPA Form 3320-1 (REV 3/99) Previous	editions may be	ES COMMENT used.	S AND REQU	IREMENT	\$		and the same	- · · · · · · · · · · · · · · · · · · ·	ORM PAGE	(I)E	

THIS IS A 4-PART FORM PAGE

VAME USDOE	cuny Namer Location if	Dijjerenij	NATIONAL PO DIS	CHARGE MON	ITORING REPORT	MAJOR OMB No. 2040-0004			
ADDRESS BROOKHAVEN NAT	DG 464			D5835		OOZ A 44 CHARGE NUMBER	(SUBR 01) E - FINAL		5 5 3 ]
FACILITY BROOKHAVEN NAT		17811913.	YEARI		TORING PERIO		BRAHMS(100	S) Sec PHOB	Sciolo) CT
LOCATION FOR	🖈 🕟 بييز	₩ <u>211973</u>			To YEAR		END DIS	CHARGE IX	1 202
ATTN: GEORGE MALOSH	GROUP ME	The state of the s	NTITY OR LOADING				NOTE: Read Ins	and the same of th	while a set franciscope affecting and an one
PARAMETER		<u> </u>	, <u>9.2</u> 9			· · · · · · · · · · · · · · · · · · ·	- Heritage	D Z = B	
		AVERAGE	EMUMIXAME	UNITE		AVERAGI	with what a said with the care was a second	EUNITS =	ANALYSIS
PH 3	SAMPLE ' MEASUREMENT	****	200000		61116 21116 21116	****		123	
	REQUIREMENT			****					
OIL & GREASE	SAMPLE MEASUREMENT	****	3-843-8-8	10 E	*****	*		193	
00556 1 0 0 EFFLUENT GROSS VALUE	PERMITAL REQUIREMENT			***		Section Control of Control		Heze	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		****	No. Discharge	€ 031		e interes			
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT			MGD =				****	
	SAMPLE MEASUREMENT			enti)	Teile Trit	AGEG R. G.II. Zenije	15 E		
See Note 2	PERMIT: REQUIREMENT	1. j.		4					i e e e e e e e e e e e e e e e e e e e
<u>,</u>	SAMPLE MEASUREMENT				STEEL STEEL STEEL		55 H	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT				of D. B.			533	
:	PERMITA REQUIREMENT				in in the second				
9 }	SAMPLE MEASUREMENT						4		37 6
	PÉRMIT REQUIREMENT								語。
NAME/TITLE PRINCIPAL EXECUTIVE O	prepare	ed under my direction or s	this document and all atte supervision in accordance	en moteve a diw	signed		: (2) . ( <del></del>	TELEPHONE	DATE
	submitt or those	ied. Based on my inquiry o persons directly réspon	of the person or persons valued for gathering the life.	vho manage the i mation, the infor	system, mation		7 P		
TYPED OR PRINTED	lam aw	are that there are signific	nowledge and belief, true, ant panalties for submitting id imprisonment for knowle	i falsa informatici	5101	NATURE OF PRINC FFICER OR AUTHO	A CONTRACTOR ! "	2.7 3 3	VEAD 110 5
OMMENTS AND EXPLANATION OF A	NY VIOLATIONS (R	eference all attachn	ients here) 😤 😤		60 er en 17 F	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<del></del>	ODE NUMBER	YEAR MO DAY
DISCHARGE MAY BE DIR COLLECTION SYS IS E	XI ENDED T	0 1010. TE	IE PHOROS C	16 AREA SETECTO	INSIDE P	ROADNAY T 3 SHOULD	HAT IS INSIDED DE DIRECTED	FERHIG RI TO OUTFAL	L #002 E
PA Form 3320-1 (REV 3/99) Previous	BE DIRECT Seditions may be u	TED TO NEI	<del>l RECHARGE</del>	BASINE	NO TRE	CHEMS HI	THOUT PRIOR	DEC APPRO	M PAGE , OF

PERMITTEE NAME/ADDRESS (Include For NAME USDDE ADDRESSBROOKHAVEN NATI	IONAL; LABOR		NYOCC	SA350	IARGE ELIMINATION SYS	MA.	IOR IBR 01)	For OM	m Approved. IB No. 2040-000	)4
53 BELL AVE BE UPTON FACILITY BROOKHAVEN NATI LOCATION UPTON ATTN: GEORGE MALOSH	ONAE LABOR	11973 5 2 3 8	YEAR YEAR	MO DA 04 €0	ORING PERIOD	RGE NUMBER RE-	A. pener an	HARGEE		
PARAMETER		QUAN	TITY OR LOADING	UNITE	로 스 호 를 OL 로 통Mikimum	AVERAGE	INTRATION MAXIMUM		NO FREQUENCY EX OF ANALYSIS	SAMPLE TYPE
РН	SAMPLE MEASUREMENT	900050	*****			*****	MAXIMUM	( 12)	Sport a	<del>(</del> )
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT AND REGULEMENT S									11.4
DIL & GREASE	SAMPLE MEASUREMENT					**************************************	2	C 193		Z
00556 1 0 0 EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR	PERMIT REQUIREMENT	25:00:12	No Property	6 03)		* 100 E.		HG/L		
THRU TREATMENT PLANT 50050 1 0 0	MEASUREMENT PERMITS		Discharge							9000 (2000)
EFFLUENT GROSS VALUE See Note 2	SAMPLE			MGD				<b>2000</b>	etjacte -	
3	PERMIT!							Toma:		esta.
	SAMPLE MEASUREMENT			ater refe						
	PERMIT :						- W			
. ,	MEASUREMENT EPERMIT					Б				
	SAMPLE MEASUREMENT			in the second	andic and	44. (A				
	PERMIT REQUIREMENT			THE TOTAL				1060 1060	\$ <b>4</b> 3	177
NAME/TITLE PRINCIPAL EXECUTIVE OF	prepared ur	nder my direction or su	his document and all atta pervision in accordance v	vilh a evelom dos	gned =	9 6	Ć.	TELEPHONE	E DA	TE TE
Mr. Michael Holland Area Group Manager	submitted.	lat qualified personnel Based on my inquiry o	properly gather and evaluation of the persons will be personed to the person of the persons will be the pe	ate the information the s	in Nation,	2 3 5-2	63	1, 344–342	4	11
TYPED OR PRINTED			pie of gautering the mon wiedge and belief, true, i it penalties for submitting I imprisonment for knowlr	false information g violations	SIGNATI	RE OF PRINCIPAL EX ER OR AUTHORIZED /	ECUTIVE I	·세 (* ' ' ' '	YEAR M	O DAY
COMMENTS AND EXPLANATION OF AN DISCHARGE MAY BE DIR STORMWATER COLLECTION OF AN EN BA EPA Form 3320-1 (REV 3/99) Previous	ECTED TO SU ON SYSTEM I	JRROUNDIN IS EXTE	6 LOW LYIN	G AREA DG 1010	INSIDE ROAD & A NEW R	DWAY THAT	IS INSIDE	Spore :	ING. O	

ERMITTEE NAME/ADDRESS (Include Fa			DISC	HARGE MON	IARGE ELIMINATION SY ITORING REPORT (I	DMR)	MAJOR	F	OMB No. 2040-	0004
DDRESSBROOKHAVEN NATI 53 BELL AVE BL ACILITY BROOKHAVEN NATI OCATION UPTON	DG 464		PERM PERM PERM PERM	MO DAY	DISCH TORING PERIOD L N 2 YEAR	MO_ DAY_	(SUBR 01) E - FINAL ABS NON-C	COOLNE	1- 11 11 11	(HN)
UPTON TTN: GEORGE HALOSH.	GROUP MG	RIPE	FRÖM OI	04 0		04 30	NOTE: Read	nstructions befor	e completing to	his form.
PARAMETER		AVERAGE	MUMIXAM	UNITS	EMINIMUM	ÄVENÄGE	A Section of the sect		EX OF	TYPE
H g	SAMPLE' MEASUREMENT	*****			電影	*4**	*6' 8.3	6 12k	= -0 ≤ 57m0	GRÁB
0400 1 0 0 5 FFLUENT GROSS VALUE IL & GREASE	PERMIT: REQUIREMENT: SAMPLE	****				5 5950		SUE S		
0556 1 0 0	MEASUREMENT PERMIS		4	2 30 C			[		0 1/MO	5
FFLUENT GROSS VALUE	SAMPLE-	****	0.04: E	**** ( 03)	*****	****	## ## ## ## ## ## ## ## ## ## ## ## ##	His Ac Ac Company	HAN.	
HRU TREATMENT PLANT 0050 1 0 0 FFLUENT GROSS VALUE	PERMIT			MED 5				9.000 9.000	O 5/MO	e erection
See Note 3	SAMPLE MEASUREMENT		7 100	Willian S		or each	65 C	E GO		. (23)
· · · · · · · · · · · · · · · · · · ·	PERMIT: REQUIREMENT SAMPLE				L. Are		1			
	MEASUREMENT					0.fi				
:	REQUIREMENTS SAMPLE MEASUREMENT	i sh		5,12,16		Stilk	9		<b>1</b> 5 5	
	EPERMID REQUIREMENT			TOTAL SEA					31	
	SAMPLE MEASUREMENT	20 JUC				H. Ded	<u>4</u>	\$ 2.40		
NAME/TITLE PRINCIPAL EXECUTIVE OF	PERMIT REQUIREMENT	under penalty of law tha	this document and all atta	chmenta were				A TELEPISON		<b>1 2 3</b>
Ir. Michael Holland Area Group Manager TYPED OR PRINTED	prepare to assur submitts or those submitts I am aw	ed under my direction or a re that qualified personne ed. Based on my inquiry a persons directly respon ed is , to the best of my k are that there are stanific	upervision in accordance v il properly gather and evalu of the person or persoris w gible for gathering the infon nowledge and belief, true, v ant penalties for submitting	vijih a system des ate the information to manage the in mation, the information accurate, and con felse information	on nyatem, nation mptete. SIGNA	TURE OF PRINCI	PAL EXECUTIVE	631 344+	3424	DATE
OMMENTS AND EXPLANATION OF AN EE PERMIT FOR ADDIT AMPLNG FOR THIS OUT	IY VIOLATIONS (RE IDNL NOTE:	eference all attachn	S AND REQU	IREMEN	is.	adad mark	and mad	TING DISC		MO DAY

01248/010405-1924 PART FORM PAGE

OF

<sup>name</sup> usdoe <sup>Address</sup> brookhaven nati	RESS BROOKHAVEN NATIONAL LABORATORY  53 BELL AVE; BLDG 464				Contract of the Contract of th	i H	JOR UBR (01)		Form Approved. OMB No. 2040-0004		
53 BELL AVE BE UPTON FACILITY BROOKHAVEN NATI LOCATION UPTON ATTN: GEORGE HALOSH	ONAL LABO	N 11975	FROM YEAR	MO DA 04 0	TORING PERIOD  YEAR M	HE 21 DAY 04 30 30	FINAL BR & ACS R NO DISC HOTE: Read Inst	ILAREE ructions perore c	completing this	<b>S form</b> a	
PÄRÄMETER		AVERĀĞE	TITY OR LOADING	∃ UNITS	WINIMUM OU	AVERAGE	ENTRATION MAXIMUM		NO   FREQUENC EX OF ANALYSIS	TYPE	
PH 3	SAMPLE MEASUREMENT	# 100 # 100		nessur (	1 <b>6.8</b>		7.6	12)	5/HO	GRĀB	
EFFLUENT GROSS VALUE DIL & GREASE	REQUIREMENT: SAMPLE		*1014	****	· digree	4250.24		€ 19)		Car Com S	
00556 1 0 0 EFFLUENT GROSS VALUE	MEASÜREMENT PERMIT REQUIREMENT			***			<b>45</b>	HEZILE	O LYMO	GRAB	
FLOW. IN CONDUIT OR	SAMPLE MEASÜREMENT PERMIT		0.2	Ç 03)	******		*****		5/мо	RCORDI	
	REQUIREMENT SAMPLE MEASUREMENT			MGD 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		331	i e de e		A Comment of the Comm	
See Note 3	PERMIT REQUIREMENT	-14					n result				
	SAMPLE MEASUREMENT PERMIT					168					
	REQUIREMENT SAMPLE MEASUREMENT							8			
	PERMITA REQUIREMENT								a : ≱≦ % }		
	SAMPLE MEASUREMENT PERMIT										
NAME/TITLE PRINCIPAL EXECUTIVE O	REQUIREMENT	under penalty of law that						TELEPHONE	<b>16.8</b>	DATE	
Mr. Michael Holland Area Group Manager	prepare to assui submit or those submit I am aw	ed under my direction or si re that qualified personnel ed. Based on my inquiry o e persons directly responsi ed is, to the best of my kn vare that there are significa	properly gather and evaluation from the person or persons value for gathering the inforced and belief, true, in penalties for submitting	uate the informativity manage the manage the manage the mation, the information accurate and constitution after a false information	on system, mation molete. SignATI	JRE OF PRINCIPAL E	XECUTIVE	31, 344–342	24		
OMMENTS AND EXPLANATION OF AN SEE PERMIT FOR ADDIT	includin NY VIOLATIONS (R	ig the possibility of fine and deference all attachm	Imprisonment for knowle ents here) TS AND REC	nd violations.	3	ER OR AUTHORIZED	I G	NUMBER	YEAR	MO DAY	

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

PERMITTEE NAME/ADDRESS (Include Fa NAME USDOE ADDRESSBROOKHAVEN NATI			DIS	LLUTANT DISCI CHARGE MON	ARGE ELIMINATION SYS	WR)	Form Approved. OMB No. 2040-0004				
53 BELL AVE BL UPTON FACILITY BROOKHAVEN NATI LOCATION UPTON ATTN: GEORGE MALOSH	DG 464 ONAL LABO	Y 11973 RATORY IY 11973		NONI MONI MONI DA	DISCHAF TORING PERIOD Y YEAR M	IGE NUMBER	F FINAL MRR NON-CO NOTE: NO DIS NOTE: Head in	CHARGE	<b>1</b> ***		
			NTITY OR LOADING	3	the water street the trace of the second	JANTITY OR C	ONCENTRATION		NO. FREQUE	VCY SAMPLE	
PARAMETER		AVERAGE	MAXIMUNE	UNITE	MINIMUM	AVEFAGE	MAXIMUM	NNITE	AWALX		
PH	SAMPLE MEASUREMENT	*****	*****	235	6.2	****	6.2	( 12)	0 1/M	GRAB	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT			***				SU.			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	*****	0.004 €	( 03)	442444	******	* ***		0 1/MO	RCORDR	
50050 1 0 0	PEHMITI REQUIREMENT	and the same of th		MGD				<b>***</b> 6		E LEOKOP	
See Note 3	SAMPLE MEASUREMENT	i a		¥ 37					17.7 17.7 17.7 17.7	J	
1	PERMIT: REQUIREMENT			5-7-3				THE LANGE			
	SAMPLE MEASUREMENT			bon.		1	Charles Constitution		y in a	Secretary Secretary	
	SPERMIT REQUIREMENT										
	SAMPLE MEASUREMENT			7 7	3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Z W D		Pin III			
	PERMITA REQUIREMENT							TO CHE			
· .	SAMPLE MEASUREMENT			1		2051	bg (-)				
	EPERMITS REQUIREMENT										
	SAMPLE MEASUREMENT			1111 23		L Land	न स्था				
	PERMIT REQUIREMENT							9		<b>F</b> 2:	
NAME/TITLE PRINCIPAL EXECUTIVE O	prepar	ed under my direction or	it this document and all at supervision in accordance	with a system de	elgned =	95	35	TELEPHON	Ė	DATE	
Mr. Michael Holland Area Group Manager	to assu submit or thos submit	ire that qualified personnated. Based on my inquin ted. Based on my inquin te persons directly respon ted is , to the best of my i	el properly gather and eva of the person or persons sable for gathering the info mowiedge and belief, true cant penalties for automittir	luate the informat who manage the ornation, the lifto , accurate, and c	iystem, mation omplete. SIGNAT		PAL EXECUTIVE	631 344-3	424	· de Maria de Composito de Comp	
TYPED OR PRINTED :	Includi	ng the possibility of fine a	nd imprisonment for know	ing violations.	OFFIC	CER OR AUTHO	RIZED AGENT	AREA NUMBEI	R YEAR	MO DAY	
SEE PERMIT FOR ADDIT		ar land		REMENTS		d Sa A	bood bood 	Joint Valent			
=PA Form 3320-1 (RFV 3/99) Previous	s editions may be	used		<del></del>	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		UO IO A 4 DADT	FORM PLO	<del></del>	

PERMITTEE NAME/ADDRESS (Include Fo NAME	acility Name/Location if Different)	NATIONAL POLI	LUTANT DISCHARGE ELIMIN HARGE MONITORING RE	ATION SYSTEM (NPDES)		F	orm Approved. DMB No. 2040-00	004
ADDRESS ROOKHAVEN NAT	ONAL LABORATORY		All the shoots of the same of		MAJOR (SUBR 01)		//// 140. 2U4U-U	J04
53 BELL AVE. BI	D6 464	F S KEHWI		The state of the s	E ELHAL			
FACILITY DESCRIPTION		ff . or & file.	A TENTOLIKE P	albicators.	MSLS COOL	ING FTOUR	BEDN-EIG	E CHS )
FACILITY BROOKHAVEN NATI LOCATION UPT ON		YEAR SECOND		ALLEMON DAY				
ATTN: GEORGE HALOSH	GROUP HCK # # #				ENOTE ROOM	signed in a cero	e completing thi	s form.
PARÄMETER		QUANTITY OR LOADING		ROYATITAQUE	CONCENTRATION	Man & B	NO. FREQUÊNC	Acres April 1
PAIGMETER	AVERAG	<b>EVACIVITY</b>	UNITS	JM A AVERAG	EÀ 🖁 📑 PMAXIMUM	באוועני ויי	ANALYSIS	TYPE
PH	SAMPLE		17 - T - AT 198		Control of the Contro	(*12)	A 15 /16	3 L. L. 27
00400 1 0 0	MEASUREMENT		in the second second		are The Sale		0 5/мо	GRAB
EFFLUENT GROSS VALUE	REOUREVEY.					SU ÷		
DIL & GREASE	SAMPLE ***	TAXABLE PROPERTY CONTRACTOR OF THE PROPERTY OF	CHARLES SAFETY CONTROL			£ 193		
00556 1 0 0	MEASUREMENT PERMIT						0 1/MO	GRAB
EFFLUENT GROSS VALUE						HEZL		
FLOW. IN CONDUIT OR	SAMPLE SAMPLE		(03)					
THRU TREATHENT PLANT 50050 l 0 0	PERMITS & SAME	0.2					0 5/MO	RCORD
FFLUENT GROSS VALUE	REQUIREMENT		(6D			2 2 2 2 2	HIER	
See Note 3	SAMPLE MEASUREMENT				E .			
bee note 3	PERMIT							
	REQUIREMENT							
	SAMPLE MEASUREMENT			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	iii			
; ;	SPERMIT . 2 M S							
· .	REQUIREMENT							
	SAMPLE MEASUREMENT	9 1 5 3 5 a 1		9	S 82		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	traff The
	TEPERMITE A SALES							3
	REQUIREMENT			i di				
	SAMPLE MEASUREMENT				<u>*</u>	35		
	PERMIT							400
NAME/TITLE PRINCIPAL EXECUTIVE OF	REQUIREMENT	aw that this document and all attact		Section 1	يقد به داد		3 7 6 4	A S
	prepared under my directi	on or supervision in accordance wit	in a system designed	in the second	79.5	TELEPHON		DATE
Mr. Michael Holland Area Group Manager	or those persons directly n	nquiry of the person or persons wh	o manage the system,	7 25 1	25	Past .		
TYPED OR PRINTED	submitted is , to the best o	f my knowledge and belief, true, ac ignificant papellies for submitting 6	curate, and complete.	SIGNATURE OF PRINC	IPAL EXECUTIVE	631 344-34	1 13	
OMMENTS AND EXPLANATION OF AN	IY VIOLATIONS (Reference all att	fine and imprisonment for knowing	violation (	OFFICER OF AUTHO		AREA NUMBER	R YEAR I	MO DAY
EE PERMIT FOR ADDIT	IONAL NOTES, COM	MENTS & REQUIR	EMENTS 6 3 1	i i i i i i i	Head .			
		·-	• ,,.					i

PERMITTEE NAME/ADDRESS (Include Fa		e 📆 ja of e e e e e e e	NATIONAL POI DISC	YSTÉM (NPDES) DMR)	Form Approved OMB No. 2040-0004			14		
DDRESSBROOKHAVEN NATI	TOO TOT	# . # . # . # . # . # . # . # . # . # .		15835 IT NUMBÉR		ARGE NUMBER	(SUBR 01) F - FINAL	£7.4 S 15.		-
ACILITY BROOKHAVEN NATION UPTON ATTN: GEORGE MALOSH,	CONAE LABO	Y 11973	FHOM TO I	MON MO   DA 04   ∄1	And the second second second second second		NATER TREA	H N S L	200	(HX)
		without width toward it into the control of	ITITY OF LOADING			NUANTITY OR C	ONCENTRATION	E E No	FREQUENCY	enfahar ees
PARÂMETER S		AVERAGE	EMUMIXAME	UNITS	EMINIMUM	AVEHÄGE	MAXIMUM	EUNITS	X SOF ANALYSIS	TYPE
FLOW RATE See Note 3	SAMPLE MEASUREMENT	<b>50 (2)</b>	560 <b>5</b> 000	( 073	-	***	-	Cathon September 1843 44		(1)
30056 1 0 0 · 6 · 9	PERMIT: REQUIREMENT			SPD 3		arine colonia, a decada de deservir			20/MO	INSTAN
PH	SAMPLE MEASUREMENT	2 0 E			a dia	****	- 183 E	£ 12)		
00400 1 0 0 EFFLUENT GROSS VALUE	PERMITA REQUIREMENT	Arrivation of		***		and recognize topics of the equations of		The car	UNEST.	GRAB
IRON. TOTAL (AS FE)	SAMPLE MEASUREMENT	****	****	Tan y	406440	3036	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	( 28)	E HONETH	J
11045 1 0 0	PERMIT REQUIREMENT			*** 5			81,900		1/MO UN EX	GRAB
(AS FE)	SAMPLE MEASUREMENT	*****				<b>\$18.0</b> 31	65	( 28)		\$
11046 1 0 0	PERMIT: REQUIREMENT	****		***			1182	X UG/L	TIMO TIMO MONTH	A Control of the Cont
	SAMPLE MEASUREMENT		7.17.	te to	111.00 M		H 87	0.00		
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT			73 an			A FO		7.33	0
:	-PERMITS REQUIREMENT	in Appar		) 364 3. 364					F 2	4
	SAMPLE MEASUREMENT			TH. 2		9 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	CA CA BAR		(2)
	PERMIT REQUIREMENT								72 E	55
NAME/TITLE PRINCIPAL EXECUTIVE OF			this document and all attac pervision in accordance w		elaned 7	12 9 E	ij.	TELEPHONE	DA	TE T
Mr. Michael Holland Area Group Manager	to assur submitte	e that qualified personnel ad. Based on my inquiry	properly gather and evaluate the person or person or persons with the person or persons with the information of the information	ate the informat	löri svstem			31 344-3424		
TYPED OR PRINTED	submitte I am aw	ed is , to the best of my kr are that there are significa	owiedge and belief, true, a nt penalties for aubmitting	sccuraté, and co faise informatio	mplate. SIGNA	TURE OF PRINCI ICER OR AUTHOR	PAL EXECUTIVE			
	Y VIOLATIONS (R	y ma possibility of tine an eferènce all attachm	i imprisonment for knowin	g violations.				NUMBER	YEAR M	O DAY
AMPLES TO BE COLLECT IN EITHER BASIN SHA	TED AT EF	FLUENT PIP COLLECTED	E TO WHICH	AMPLIN	G PURPOSES	OPERAT	1.	Ser	NDING	ATER
7A Form 3320-1 (REV 3/99) Previous	editions may be u	sed.				01	252/01040TH	SISA4 PART FOR	M PAGE	OF

PERMITTEE NAME/ADDRESS (Include Facility No NAME USDOE ADDRESSBROOKHAVEN NATIONA	•		DISC	LUTANT DISC HARGE MOI	HARGE ELIMINATION S INTORING REPORT (	DMR)	MAJOR (SUBR 01)		Form Approved. OMB No. 2040-0004		
53 BELL AVE. BLDG UPTON ACILITY BROOKHAVEN NATIONA OCATION UPTON ATTN: GEORGE MALOSH. GR	464 N L LABON	PATORY RATORY PATORY PATORY	PERMI YEAR OIL	T NUMBER MON MO   BA	TORING PERIOD Y HEAR I TO TO	ARGE NUMBER  MO DAY  04 30	FORMUTE READ IN	CHARGE I	<b></b>		
PARAMETER		QUAN AVERAGE	TITY OR LOADING	UNITE	ERININUM:	JUANTITY OR C	ONCENTRATION MAXIMUM	EUNITĂ	NO: FREQUENC EX OF_ ANALYSIS		
See Note 4	AMPLE SUREMENT	<b>464346</b>	143156	( 07)	1				0 1/M0	INSTAN	
EFFLUENT GROSS VALUE REQ		2000.80	7 8 8 3 8 Q	GPD		*****		6 1 2 N			
00400 1 0 0 MEAS	SÜREMENT PERMIT			***	7.4		8 7.4	ineesing geech			
DIL & GREASE S	AMPLE SUREMENT	*****	******	TO ALL	*****	*****		\$ 505 °C   6 19)	0 1/MO	1	
EFFLUENT GROSS VALUE REQ	PERMITA UIREMENT AMPLE	*****		***				6 28)			
MEAS 34501 1 0 0	SUREMENT PERMIT:					9778	i di		0 1/M0 0 WGE/	SPARE!	
	AMPLE SUREMENT	****	*****	****			4	( 28)	0 1/MO	1 10	
34506 1 0 0 SEFFLUENT GROSS VALUE				**************************************				RE UG/L		H SEE	
MEAS	AMPLE SUREMENT			Cataly (C) /* Kroon G B of the	fright B	narie narie					
REO S	UIREMENT : AMPLE SUREMENT				and a second	14 (1.14) (1.16) (2.16)	A C				
ि कु	PERMIT UIREMENT					P					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		under penalty of law that ti I under my direction or su				4	io.	TELEPHONE		DATE	
Mr. Michael Holland Area Group Manager	to assure submitte or those submitte	that qualified personnel p d. Based on my inquiry or persons directly responsit d is , to the best of my kno	roperly gather and evaluate persons we let for gathering the information wiedge and belief, true, a	ate the informat no manage the nation, the infor- securate, and c	ion eystem, metion	STURE OF PRINCIP	C C C C C C C C C C C C C C C C C C C	631, 344-34	24		
TYPED OR PRINTED	including	re that there are algolficar I the possibility of fine and	Imprisonment for knowin	taise informatic g violations.		FICER OR AUTHOR		AREA NUMBER		MO DAY	
OMMENTS AND EXPLANATION OF ANY VIO PARAMETERS EXCEPT FOR F THE "NO DISCHARGE" BOX					A STORM E FOR ADDIT	EVENT. (I TIONAL NO	F NO DISCH	ARGE. EN	TER AN		

PERMITTEE NAME/ADDRESS (Include F NAME USDOE ADDRESSBROUKHAVEN NAT 53 BELL AVE J BI	Example Lage of Kilon				Form Approved. OMB No. 2040-0004 SUBR 01.1					
FACILITY BROOKHAVEN NATI LOCATION UPTON ATTN: GEORGE MALOSH	ONAL LABO	<b>a</b> 25 :	FROM 11	Mo (	CONTRACTOR	CHAY		S HEREFE	AL STEAM	
PARAMETER		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVEFAGE		UNITS	NO FREQUENC EX OF AWALYSIS	SAMPLE TYPE
LOW RATE See Note 4 20056 1 0 0	SAMPLE MEASUREMENT PERMIT	**************************************	11,788	07	*******	******	<b>***</b>		0 1/MO	() Instai
	REQUIREMENT SAMPLE	****	****	GPD G		******		**************************************		
00400 1 0 0 FFLUENT GROSS VALUE	MEASUREMENT PERMIT REQUIREMENT			500 %	27.3	E E	7-3		0 1/MO	GRAB CRAB
)IL & GREASE 10556 1 0 0	SAMPLE MEASUREMENT	****	**************************************	d to		*****	23	C 19)	O 1/MO	GRAB
FFLUENT GROSS VALUE	SAMPLE			****				K HG/L	Navi.	
	MEASUREMENT PERMIT: REQUIREMENT	•		112		6				
	SAMPLE MEASUREMENT		777572		Senta Senta					
	PERMIT REQUIREMENT SAMPLE					<u>.</u>		UR +		24
	MEASUREMENT LEAMITA REQUIREMENT	<b>*</b>								
	SAMPLE MEASUREMENT	;		, jee.						
NAME/TITLE PRINCIPAL EXECUTIVE ÖF	PERMIT REQUIREMENT	under penalty of law that t	his document and all attac	chments were				TELEPHONE	F.E.	3,
Mr. Michael Holland Area Group Manager  prepared under my direction or si to assure that qualified personnel submitted. Based on my Inquiry or those persons directly respons submitted is, to the best of my kn			properly gather and evaluate If the person or persons we ble for nathering the infact	ate the information to manage the simulation, the information, the information of the same and the same area.	ystem, nation	RE OF PRINCIPAL E	YECHTIVE	631,344-34		ATE
TYPED OR PRINTED  OMMENTS AND EXPLANATION OF AN					' " DECINI	ED AD ALTEUANISEN	AAFLE .	AREA NUMBER	YEAR M	O DAY
DMMENTS AND EXPLANATION OF AN ARAMETERS EXCEPT FOR NO DISCHARGE BOX A 'A Form 3320-1 (REV 3/99) Previous	R FLOW TO AT THE UPP	BE SAMPLE ER RIGHT).	MONTH	DURING ET FOR	STORM EVEN ADDITIONAL	T. (IF NO NOTES, CO		To En .	R "X" IN IREMENTS	THE
Trevious	Canona may be us					01254	LOTUROTH	IS IS A 4-PART F	ORM PAGE .	OF

DDRESSBROOKHAVEN NATIONAL LABORATORY 53 BELL AVE BLOG 464			Dia	MAJOR		OMB No. 2040-0004					
			NYO005835  PERMIT NUMBER  DISCHARGE NUMBER				SUBR 01	)	en i என்றும் -விந்தம், ந்தது க்கிர் சித்தன்று அதுது <sub>ட்டி</sub>		
บครักที่ 🧸 🕌 🗀 🗀 🗀 🗀 🗀 🗀 💮		NY :11973		W. C	一年初 元	Art.	F - FINA		<u> </u>	<u> 48.</u>	
ACILITY DESCRIPTION OF THE STATE OF THE STAT	IONAE LAB	CRATORY	E A VED	MONITO	RING PERIOD		LINAC NO	LW, FL	DOK DN	SIETC	HT1)
UPFON		NY PLLY 73 T		U U			· <b>43</b> ** NO D	ISCHAR	DE-1		
ATTN: GEORGE MALOSH	• GROUP, H			# • <b>}</b>			NOTE: Read	Instructions	before com	pleting this	form.
PARAMETER						QUANTITY OR	CONCENTRATIO	1 8		FREQUENCY	
PAHAMETEH		AVEHAGE		Luirs /	<b>EXIMITEDA</b>	AVERÃG	E E MAXIMU	M Fu	NITS :	OF ANALYSIS	TYPE
PH	SAMPLE!	-				766	· 性質等學院 1975年1975年1986年1		12)	3 8	i was
00400 1 0 0 E	MEASUREMEN				F-715		7.7	4.4 295	5 J 0		GRAB
00400 L 0 0 E Effluent gross valu	PERMI							4.5			10.00
IL & GREASE	SAMPLE	22.000						S SU	The state of the s	HONTH	
	MEASUREMEN	r E. A.		i e			3 2		193	1/MO	GRAB
0556 1 0 0	PERMIT			***						HET	
FFLUENT GROSS VALUE LOW, IN CONDUIT OR								HS.		<b>MENTH</b>	*
HRU TREATMENT PLAN		and the state of t	[s go,08] 崔-	£ 031				<b>000</b> 5	- la :	5/M0	RCORD
0050 1 0 0	PERMIT									WEE7	1 1000
FFLUENT GROSS VALUE		4 7 7 7		HeD .		ine.			00 P	HANTH	
See Note 3	SAMPLE MEASUREMENT					2 7	\$ 0	775			fred -
·	PERMIT							j j			1 44
	REQUIREMENT	1-7-7-7	<b>EFFRE</b>						P	7.3	1
-	SAMPLE	4			h h 44		G 80		3, 2		
•	MEASUREMENT					K. Persons and State St.	ná ká				in the
•	PERMIT REQUIREMENT	EF FS							le E	研号。	
<u>.</u>	SAMPLE										
£ .	MEASUREMENT		i i						6		*****
	PERMITS REQUIREMENT							93.7		3:31	44.
	SAMPLE									2 00	2 344
•	MEASUREMENT	E.				g g	<b>1</b>				35
	PERMIT										3 /20
NAME/TITLE DRINCIPAL EXECUTIVE OF	REQUIREMENT		at this document and all atta	abmenta wasa			4			y (4)	
prepared under my direction of		red under my direction or ure that qualified personn	supervision in accordance to a properly gether and evaluations and evaluations and evaluations are supervisions.	nis document and all attachments were pervision in accordance with a system designed properly gather and evaluate the information			\$4 68 68	TELE	TELEPHONE		TE
Mr. Michael Holland Area Group Manager	submi or thos	ited. Based on my inquir se persons directly respo	y of the person or persons v naible for asthering the infor	the manage the syst	nn i				1		
	submit	ited is , to the best of my ware that there are signifi	knowledge and ballef, true, : cant panalties for submitting	accurate, and compl	ete. SIGN	ATURE OF PRINC	IPAL EXECUTIVE	- 631 3	44-3424		1
TYPED OR PRINTED  OMMENTS AND EXPLANATION OF AN	ind Imprisonment for knowlr	ig violations.	OF	FICER OR AUTHO	RIZED AGENT	AREA NU	JMBER	YEAR M	O DAY		
EE PERMIT FOR ADDIT	TONAL NOT	TES. COMME	NTS AND RED	UTREMENT	73			ajur.			
			50 H			·	: •				1
•				•		•		$t_{i}$	2.0	<u>.</u>	,

DISCHARGE MONITORING REPORT (DMR)

JAME II

USDOE

OMB No. 2040-0004

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  VAME  USDOE  LODRESSBROOKHAVEN NATIONAL LABORATORY			NY ODG	58 M	HAJOR (Subr 01)	G	Form Approved. OMB No. 2040-0004				
53 BELL AVE BL UPTON ACILITY BROOKHAVEN NATI OCATION BROOKHAVEN NATI UPTON ATTN: GEORGE MALOSH	N DBAL LABO	Y 11973	YEAR YEAR 911	MONI MONI MO DA 04	TORING PERIOD Y YEAR	MO DAY	e e No Di	OUR FROM		***	
PARAMETER			TITY OR LOADING	UNITS		AVERÁGE				FREQUENCY FOR ANALYSIS	the second second
'H	SAMPLE MEASUREMENT		2000		7.3	******	Trace of the same	(12)	- T	5/MO	GRÅB
10400 1 0 0 FFLUENT GROSS VALUE IL & GREASE			******	***	44446			in su			7/1/
0556 1 0 0	SAMPLE MEASUREMENT PERMIT						< \$	193 1200	L	1/MO	GRAB
LOW, IN CONDUIT OR	REQUIREMENT SAMPLE MEASUREMENT	**************************************	07.3	00 <b>80</b> ( 03)	******	****		Heyr	0	AGNTH 5/MO	RCORDE
0050 1 0 0 FFLUENT GROSS VALUE	PERMIT REQUIREMENT	2000 400 3	OLLY I	HGD				\$060		HEALTH	
See Note 3	MEASUREMENT PERMIT REQUIREMENT							Or S. S.	70 70 70 80		
	SAMPLE MEASUREMENT PERMIT			and the	17. Sec. 1		TRAIL				
-	REQUIREMENT SAMPLE MEASUREMENT			, t		110 3110 3110		997	2	<b>F</b>	
	PERMIT: REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT		Autorial Services	The state of the s			5 48 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	33	01°.3		3
NAME/TITLE PRINCIPAL EXECUTIVE OF	FFICER I Certify	under penalty of law that	mervision in accordance u	uith a matam da	algned		<u>.</u>	TELEPHON	<b>E</b>	DA	TE
Mr. Michael Holland Area Group Manager	submitte or those	e that qualified personnel ed. Based on my inquiry of persons directly responsi dis, to the best of my kn are that there are significa g the possibility of fine and	property gather and evaluation from the person or persons which for persons with the letter of the l	iete the informati info manage the	on system,	TURE OF PRINCIPA	EXECUTIVE	631 344-34	3.5		
MMENTS AND EXPLANATION OF AN EPERMIT FOR ADDIT	Y VIOLATIONS (R. IDNAL NOT	eference all attachm ES • COMMEN	ents here) 🔫 📄	REMENT	Segn F	ICER OR AUTHORI		THIS IS A 4-PART		YEAR M	O DAY

."•

## ATTACHMENT II

## BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR APRIL 2001

ANALYTICAL RESULTS FROM H2M LABS, INC.

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED

4/2/01 AND 4/5/01

FROM OUTFALL 001