Environmental Services Division

RUUKHW

NATIONAL LABORATORY

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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

June 21, 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 May 2001 REFERENCE: Letter from Robert Desmarais to Cunniff dated May 18, 2001

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

Cunniff to Holland

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June 21, 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 June 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 May 2001.

Attachment II: Analytical Results from H2M Labs for samples collected on 5/3/01, 5/7/01, 5/10/01, and 5/14/01 from Outfall 001.

Attachment III: Analytical Results from H2M Labs for samples collected from Outfalls 002, 003, 005, 006A, 006B, 007, 008, and 010.

cc:

M. Allocco	w/attachments	W. Chaloupka	
L. Cunniff	w/o attachments	G. Granzen	w/o attachments
J. Higbie	w/attachments	C. Johnson	w/o attachments
S. Krinsky	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
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 May 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. In May Outfalls 002A and 002B were connected to the stormwater collection systems and no longer discharge locally. The cooling water discharge from Bldg. 1002 (002A) is now directed to Outfall 002B located at Building 1004. The cooling water discharge from Bldg. 1010 is now directed to Outfall 002 (HN). A SPDES permit modification package is being prepared to reflect this change.
- 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).
- 5. The Environmental Services Division was notified in early June that the cooling water discharge from the Brookhaven Medical Research Reactor would be terminated due to the permanent shutdown of the facility. A SPDES permit modification package is being prepared to reflect this change.

ATTACHMENT I

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR MAY 2001

FOR OUTFALLS NO. 001-010

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