FSO
Hersemann/jp
RH
1/18/11
FSO
Scott
1/26/11
FSO
Bollinger
1/26/11
FSO
Weis
1/26/11

JAN 26 2011

Dr. Bruce Chrisman
Chief Operating Officer
Fermilab
P. O. Box 500
Batavia, Illinois 60510

Dear Dr. Chrisman:

SUBJECT: ISSUANCE OF DOE – FERMILAB OPERATING PERMIT NUMBER 2011-EF 0986 (LOG NUMBER 0986-10), DISCHARGE OF METAL FINISHING RINSEWATERS – TRIBUTARY TO THE CITY OF NAPERVILLE SPRINGBROOK WATER RECLAMATION PLANT

References: 1) Letter with permit, A. Keller to U.S. Department of Energy, dated January 6, 2011, Subject: Same As Above
2) Letter and application, M. Bollinger to A. Keller, dated October 15, 2010, Subject: Application for Permit or Construction Approval for Industrial Pretreatment of Wastewater to the City of Warrenville and City of Naperville for Metal Finishing Activities in the Village, Fermilab, Batavia, Illinois

Enclosed is the new permit (Reference 1) granted by the Illinois Environmental Protection Agency (IEPA) to discharge metal finishing rinsewaters specified in the permit application (Reference 2). This permit will expire on November 30, 2015.

Please take careful note of, and comply with, the special conditions listed in the three-page letter portion of the new permit and the standard conditions, specified on the reverse side of the letter pages. Specifically, Special Condition 3 requires semi-annual sampling cyanide (total), copper, nickel, chromium (total), zinc, lead, cadmium, silver, and total toxic organics (TTO). Sample results are to be submitted to the IEPA semi-annually. If you have questions regarding this correspondence, please contact Rick Hersemann, of my staff, at extension 4122.

Sincerely,

Original Signed by
Mark E. Bollinger
Deputy Manager

Michael J. Weis
Site Manager

Enclosure:
As Stated

cc: P. Oddone, w/o encl.
Y. - K. Kim, w/o encl.
N. Grossman, w/encl.

bc: J. Scott, w/o encl.
R. Hersemann, w/encl.
E. Mieland, w/o encl.
K. Kosirog, w/o encl.
B. Scerini, w/encl.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 0986-10 **PERMIT NO.:** 2011-EE-0986

FINAL PLANS, SPECIFICATIONS, APPLICATION AND SUPPORTING DOCUMENTS PREPARED BY: U.S. Dept of Energy

DATE ISSUED: January 6, 2010

SUBJECT: U.S. DEPARTMENT OF ENERGY - FERMI NATIONAL ACCELERATOR LABORATORY --Discharge of Metal Finishing Rinsewaters - Tributary to the City of Naperville Springbrook Water Reclamation Plant

PERMITTEE TO CONSTRUCT, OWN AND OPERATE

U.S. Department of Energy
Fermi National Accelerator Laboratory
P.O. Box 2000
Batavia, Illinois 60510

Permit is hereby granted to the above designated permittee(s) to construct and/or operate water pollution control facilities described as follows:

The discharge of 50 GPD DAF (1 P.E.) And 4,200 GPD DMF (once per 6-8 years) of metal finishing rinsewaters with discharge tributary to the City of Naperville Springbrook Water Reclamation Plant via the City of Warrenville Sewer System.

The operating permit expires on November 30, 2015.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplemental Permit.

SPECIAL CONDITION 1: The issuance of this permit does not relieve the permittee of the responsibility of complying with any limitations and provisions imposed by the City of Warrenville or the City of Naperville.

SPECIAL CONDITION 2: The issuance of this permit does not relieve the permittee of the responsibility of complying with 35 Ill. Adm. Code, Part 307 and/or the General Pretreatment Regulations (40 CFR 403) and any guidelines developed pursuant to Section 301, 306, or 307 of the Federal Clean Water Act of 1977. The guidelines developed for the Metal Finishing Point Source Category (40 CFR 433 Subpart A - Metal Finishing Subcategory) limit the pollutants from facilities as follows:

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

SAK:MEL:098610.wpd

DIVISION OF WATER POLLUTION CONTROL

Alan Keller

Alan Keller, P.E.
Manager, Permit Section

cc: EPA - Des Plaines FOS
City of Warrenville
Springbrook WRP
Records - Industrial
Binds

M-2470

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 0986-10 **PERMIT NO.:** 2011-EE-0986

FINAL PLANS, SPECIFICATIONS, APPLICATION AND SUPPORTING DOCUMENTS **DATE ISSUED:** January 6, 2010
PREPARED BY: U.S. Dept of Energy

SUBJECT: U.S. DEPARTMENT OF ENERGY - FERMI NATIONAL ACCELERATOR LABORATORY --Discharge of Metal Finishing Rinsewaters - Tributary to the City of Naperville Springbrook Water Reclamation Plant

Pollutant	1-Day Max. (Mg/l)	Monthly Avg. (Mg/l)
Cyanide (total)	1.2	0.65
Copper	3.38	2.07
Nickel	3.98	2.38
Chromium (total)	2.77	1.71
Zinc	2.61	1.48
Lead	0.69	0.43
Cadmium	0.11	0.07
Silver	0.43	0.24
TTO	2.13	------

(A) The compliance date for the metals was February 15, 1986.

(B) These numbers do not reflect a reduction in the numerical limitation due to the contributing flow of sanitary wastes, non-contact cooling water, and other dilutional wastewater not regulated by the limitations.

(C) Cyanide monitoring must take place after cyanide treatment and before dilution with other waste streams unless an adjustment is made to account for the dilution ratio of the cyanide waste stream flow to the effluent flow.

(D) TTO is the total toxic organics in the regulation. Compliance with TTO limitations was required on July 15,1986.

SPECIAL CONDITION 3: Monitoring Requirements

(A) The permittee shall monitor semi-annually the pollutants listed in Special Condition 2.

(B) Sampling shall be done after the wastewater treatment system prior to entry into the sewer system.

(C) Sampling shall be conducted during a normal working day during normal working hours.

(D) Test results shall be submitted semi-annually to:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 0986-10

PERMIT NO.: 2011-EE-0986

FINAL PLANS, SPECIFICATIONS, APPLICATION AND SUPPORTING DOCUMENTS PREPARED BY: U.S. Dept of Energy

DATE ISSUED: January 6, 2010

SUBJECT: U.S. DEPARTMENT OF ENERGY - FERMI NATIONAL ACCELERATOR LABORATORY --Discharge of Metal Finishing Rinsewaters - Tributary to the City of Naperville Springbrook Water Reclamation Plant

Illinois Environmental Protection Agency
Bureau of Water
Compliance Assurance Section
1021 North Grand Avenue East
P. O. Box 19276
Springfield, Illinois 62794-9276

Illinois Environmental Protection Agency
Bureau of Water - Field Operations
9511 W. Harrison
Des Plaines, Illinois 60016

U.S. Environmental Protection Agency - Region 5
Water Enforcement and Compliance Assurance Branch
Attention: James Coleman
WUC-15J
77 West Jackson Boulevard
Chicago, Illinois 60604

All correspondence shall include the permit number.

READ ALL CONDITIONS CAREFULLY:
STANDARD CONDITIONS

The Illinois Environmental Protection Act (Illinois Revised Statutes Chapter 111-12. Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

1. Unless the construction for which this permit is issued has been completed, this permit will expire (1) two years after the date of issuance for permits to construct sewers or wastewater sources or (2) three years after the date of issuance for permits to construct treatment works or pretreatment works.

2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.

3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.

4. The permittee shall allow any agent duly authorized by the Agency upon the presentations of credentials:

   a. to enter at reasonable times, the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit;

   b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;

   c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit;

   d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants;

   e. to enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.

5. The issuance of this permit:

   a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;

   b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;

   c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;

   d. does not take into consideration or attest to the structural stability of any units or parts of the project;

   e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.

6. Unless a joint construction/operation permit has been issued, a permit for operating shall be obtained from the agency before the facility or equipment covered by this permit is placed into operation.

7. These standard conditions shall prevail unless modified by special conditions.

8. The Agency may file a complaint with the Board for suspension or revocation of a permit:

   a. upon discovery that the permit application contained misrepresentations, misinformation or false statement or that all relevant facts were not disclosed; or

   b. upon finding that any standard or special conditions have been violated; or

   c. upon any violation of the Environmental Protection Act or any Rules or Regulation effective thereunder as a result of the construction or development authorized by this permit.

RECEIVED
JAN 10 2011