

January 4, 2016

CERTIFIED MAIL
(Return Receipt Requested)
Certified Mail No. 70142870000150834743

Mr. Robert Cronin
Lawrence Berkeley National Laboratory
One Cyclotron Road, MS 75B-0101
Berkeley, CA 94720

Dear Mr. Cronin:

Re: Wastewater Discharge Permit No. 19644654

Enclosed is the Special Discharge Permit (Permit) for Lawrence Berkeley National Laboratory for the Old Town Demolition Project at One Cyclotron Road – Buildings 5, 16, 16A, 52 and 52A, Berkeley, California. Please read the Permit terms and conditions and the enclosed *Special Discharge Permit Standard Terms and Conditions*, most recent edition. As a Permit holder, you are legally responsible for complying with all Permit conditions and requirements. The permit expires on January 31, 2017.

Lawrence Berkeley National Laboratory shall report to the Environmental Services Division any changes, permanent or temporary, to the premises or operations that significantly affect the quality or volume of the permitted discharge or deviate from the terms and conditions under which the Permit was granted.

If you have any questions regarding this Permit, please contact Robert Newman of the Environmental Services Division at (510) 287-1641.

Sincerely,



JACKIE ZIPKIN
Manager of Environmental Services

Enclosures



SPECIAL DISCHARGE PERMIT Terms and Conditions

PERMIT NUMBER: 19644654

GENERAL CONDITIONS

- I. Lawrence Berkeley National Laboratory shall comply with the provisions of the following two documents:
 - East Bay Municipal Utility District Wastewater Control Ordinance (Wastewater Control Ordinance)
 - EBMUD Special Discharge Permit Standard Terms and Conditions, most recent edition
- II. This Special Discharge Permit is a waiver of Wastewater Control Ordinance, Title I, Section 5, which prohibits the discharge of stormwater, drainage water, and groundwater to the community sewer.
- III. Lawrence Berkeley National Laboratory shall discharge Special Discharge Wastewater only from the specific source described in the Special Discharge Permit Applicant Form, Lawrence Berkeley National Laboratory Old Town Demolition Project Special Discharge Permit Application for Rainwater, as depicted on the site map titled Conceptual Areas for Grading/Excavation Discharge Manhole Locations, Lawrence Berkeley National Laboratory - Figure 1.
Lawrence Berkeley National Laboratory shall request a revision of this Special Discharge Permit if additional sources of Special Discharge Wastewater are identified for discharge to the community sewer.
- IV. Lawrence Berkeley National Laboratory shall immediately cease discharge of treated or managed Special Discharge Wastewater if not in compliance with any of the terms and conditions of this Special Discharge Permit.
- V. Lawrence Berkeley National Laboratory shall not discharge Special Discharge Wastewater authorized by this Special Discharge Permit after the expiration date.

COMPLIANCE REQUIREMENTS

- I. Lawrence Berkeley National Laboratory shall pretreat/manage, including sediment control, all Special Discharge Wastewater prior to discharge to the community sewer. Pretreatment or management shall be sufficient to achieve compliance with the benchmark values and discharge limits established in this Special Discharge Permit.
- II. Lawrence Berkeley National Laboratory shall post a sign in the work area stating "All Wastewater Discharge must comply with the Special Discharge Permit."
- III. Lawrence Berkeley National Laboratory shall not discharge Special Discharge Wastewater to the community sewer during a rain event or within 24 hours after a rain event, which is defined as any precipitation greater than a drizzle.
- IV. Lawrence Berkeley National Laboratory shall not discharge Special Discharge Wastewater to the community sewer at a flow rate greater than 100 gallons per minute.
- V. Lawrence Berkeley National Laboratory shall obtain permission from the applicable city agency to discharge Special Discharge Wastewater to the community sewer.
- VI. Lawrence Berkeley National Laboratory shall discharge all Special Discharge Wastewater to the community sewer through a totalizing flow meter.
- VII. Lawrence Berkeley National Laboratory shall maintain a discharge logbook for the Special Discharge Wastewater described under *General Conditions* Paragraph III. Each entry shall include the date, time, source, and total volume of all Special Discharge Wastewater discharged to the community sewer.

REPORTING REQUIREMENTS

Lawrence Berkeley National Laboratory shall submit a discharge log report, including:

- A copy of all entries recorded in the discharge logbook described under *Compliance Requirements*, Paragraph VII up to 30 days prior to the report due date.
- The authorized signature and certification statement.

The discharge log report is due quarterly with the initial report due by March 31, 2016 or within 10 days from the final discharge to the community sewer. Submit all reports, including self-monitoring, through U.S. Postal Service to East Bay Municipal Utility District, c/o Nadia Borisova, Environmental Services Division MS 702, P.O. Box 24055, Oakland, CA 94623, or electronic mail to nborisov@ebmud.com.



SPECIAL DISCHARGE PERMIT Terms and Conditions

Permit Number: 19644654

WASTEWATER DISCHARGE LIMITS

Lawrence Berkeley National Laboratory shall not discharge Special Discharge Wastewater to the community sewer if the strength of the wastewater exceeds the Wastewater Control Ordinance Discharge Limits.

SELF-MONITORING REPORTING REQUIREMENTS

Lawrence Berkeley National Laboratory shall:

- Obtain one representative sample of the pretreated/managed Special Discharge Wastewater from the source described under *General Conditions* Paragraph III. Parameters to be monitored include the following: Volatile Organic Compounds by EPA 624; polychlorinated biphenyls (PCB) by EPA 1668; Total Metals by EPA 200.7; Oils and Grease Hydrocarbon by EPA 1664; and pH by 4500-H+ B. Submit analytical test results to EBMUD c/o Nadia Borisova Environmental Services Division MS 702, P.O. Box 24055, Oakland, CA 94623, or electronic mail to nborisov@ebmud.com. **EBMUD approval of analytical data is required prior to first scheduled discharge.**
- Subsequent semi-annual self-monitoring samples for PCB congeners shall be collected and analyzed approximately every six months, and not more than eight months after the previous sample, if discharge is continuing. PCB congener analyses shall be performed with the shortest feasible turn-around time. The self-monitoring reports shall be submitted via email at nborisov@ebmud.com, and shall include a signed analytical report; the chain of custody documentation, and the authorized signature and certification statement.
- The PCB data shall be obtained and reported in accordance with the requirements set forth in the San Francisco Bay Mercury and PCBs Watershed Permit, the Water Board Order R2-2012-0096, which became effective on January 1, 2013. This Order can be found at: http://www.waterboards.ca.gov/sanfranciscobay/board_decisions/adopted_orders/2012/R2-2012-0096.pdf
- PCB congeners limit for discharge is 0.017 microgram per liter for the sum of the PCB congeners. EBMUD may require additional treatment if discharge concentrations exceed the benchmark.

Wastewater to the community sewer is prohibited until the District reviews the self-monitoring report and approves start-up of the discharge. The District reserves the right to require additional self-monitoring if deemed necessary.

INSPECTIONS

The District may conduct random, unannounced inspections to verify compliance with the terms and conditions of this Special Discharge Permit. Lawrence Berkeley National Laboratory shall grant District personnel site access to conduct inspections and collect Special Discharge Wastewater samples.

ENFORCEMENT AND PENALTIES

Failure to comply with the terms and conditions of this Special Discharge Permit may result in enforcement actions, including violation follow-up fees, civil enforcement penalties, and administrative fines of up to \$5,000 per day.

RATES AND CHARGES

This Special Discharge Permit may be amended to include changes to rates and charges that may be established by the District during the term of this Special Discharge Permit. The current treatment charge is \$0.02 per gallon of Special Discharge Wastewater discharged to the community sewer. The Special Discharge Permit fee is \$995 per year.

AUTHORIZATION

Lawrence Berkeley National Laboratory is hereby authorized to discharge Special Discharge Wastewater to the community sewer, subject to compliance with the *Wastewater Control Ordinance*, *EBMUD Special Discharge Permit Standard Terms and Conditions*, and established billing conditions.

Effective: 1/6/16

Expiration: January 31, 2017

Director, Wastewater Department

1/6/16

Date