



EDMUND G. BROWN JR.  
GOVERNOR

MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

Los Angeles Regional Water Quality Control Board

June 14, 2017

Mr. Cassidy Jones  
Northrop Grumman Systems Corporation  
One Hornet Way  
El Segundo, CA 90245

**TERMINATION OF WASTE DISCHARGE REQUIREMENTS FOR FORMER NORTHROP GRUMMAN CORPORATION, EAST COMPLEX FACILITY, ONE NORTHROP AVENUE, HAWTHORNE, CALIFORNIA (ORDER NO. R4-2009-0072, CI 9178, FILE NO. 06-089, GLOBAL ID WDR100000377)**

Dear Mr. Jones:

Our letter of March 10, 2017, transmitted a tentative order to terminate Waste Discharge Requirements (WDRs) Order No. R4-2011-0072, and the associated Monitoring and Reporting Program, CI 9178 for a pilot test to inject emulsified vegetable oil, sodium lactate, electron donors, conservative tracer, and non-pathogenic *Dehalococcoides ethenogenes* culture, referred to as KB-1™, to remediate groundwater impacted with chlorinated volatile organic compounds (VOCs) at the former Northrop Grumman Systems Corporation, East Complex Facility, located at One Northrop Avenue, Hawthorne, California.

Pursuant to Division 7 of the California Water Code, this Regional Board at a public meeting held on May 4, 2017, reviewed the tentative order, considered all factors in the case, and adopted Order No. R4-2017-0115 (a copy is enclosed) relative to the termination of the WDRs. No written comments were received related to the termination of the WDRs.

If you have any questions, please contact the Project Manager, Mr. Peter Raftery at (213) 620-6156 ([Peter.Raftery@waterboards.ca.gov](mailto:Peter.Raftery@waterboards.ca.gov)), or the Chief of the Groundwater Permitting Unit, Dr. Eric Wu at (213) 576-6683 ([Eric.Wu@waterboards.ca.gov](mailto:Eric.Wu@waterboards.ca.gov)).

Sincerely,

Eric Wu, Ph.D., P.E.  
Chief of Groundwater Permitting Unit

Enclosure: Tentative Order No. R4-2017-0115, Terminating Waste Discharge Requirements

cc: Mr. Philip Chandler, Department of Toxic Substances Control  
Mr. Ravi Subramanian, CDM Smith

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION**

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**ORDER NO. R4-2017-0115**

**TERMINATION OF WASTE DISCHARGE REQUIREMENTS  
FOR DISCHARGES TO LAND/GROUNDWATER  
(FORMER NORTHROP GRUMMAN SYSTEMS CORPORATION  
EAST COMPLEX FACILITY)  
File No. 06-089**

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) finds:

1. On June 4, 2009, the Regional Board adopted individual Waste Discharge Requirements (WDRs) Order No. R4-2009-0072 and Monitoring and Reporting Program (MRP) No. CI 9178 for a pilot test to inject emulsified vegetable oil, sodium lactate, electron donors, conservative tracer, and non-pathogenic *Dehalococcoides ethenogenes* culture, referred to as KB-1™, to remediate groundwater impacted with chlorinated volatile organic compounds (VOCs) at the former Northrop Grumman Systems Corporation, East Complex Facility, located at One Northrop Avenue, Hawthorne, California.
2. The injection of the amendment associated with enhanced in-situ bioremediation of VOCs ceased in June 2014. Department of Toxic Substances Control (DTSC) approved the Bioremediation Pilot Study Summary Report on June 2, 2016 and concluded that no more injection is needed. On June 7, 2016, the Discharger requested that the Regional Board terminate WDRs Order No. R4-2009-0072.
3. Because the pilot test for in-situ bioremediation was completed, WDRs Order No. R4-2009-0072 is no longer needed and shall be terminated except for purposes of enforcement.
4. The termination of WDRs Order No. R4-2009-0072 is exempt from the California Environmental Quality Act because the termination of WDRs and the discharge authorized by the WDRs does not have the potential for causing a significant impact on the environment. See Title 14, Cal. Code Regs. § 15061(b)(3).

The Regional Board has notified the Discharger and interested agencies and persons of its intent to consider termination of WDRs Order No. R4-2009-0072 and MRP No. CI 9178, and has provided them with an opportunity to submit comments. The Regional Board, in a public meeting, heard and considered all comments and testimony pertinent to the Order.

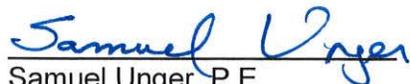
**IT IS HEREBY ORDERED** that Order No. R4-2009-0072 is terminated, except for enforcement purposes.

May 4, 2017

Former Northrop Grumman Systems Corporation  
Order No. R4-2017-0115

The Executive Officer of the Regional Board is authorized, and is hereby directed, to certify and submit copies of this Order to the Discharger, and to such individuals and governmental agencies that request it.

I, Samuel Unger, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on May 4, 2017.



Samuel Unger, P.E.  
Executive Officer