

**State of California
Regional Water Quality Control Board
Santa Ana Region**

September 11, 2020

Staff Report

Item: *7

Subject: Amendment of Order R8-2016-0061, Waste Discharge Requirements for In Situ Remediation of Groundwater Impacted by Chlorinated Volatile Organic Compounds Associated with the Former Raytheon Facility, Orange County – Order R8-2020-0039

Discussion

On December 16, 2016, the Santa Ana Regional Water Quality Control Board (hereinafter Santa Ana Water Board) adopted Order R8-2016-0061 (hereinafter Order), prescribing waste discharge requirements to The Raytheon Company for their former Raytheon Facility (hereinafter Site) for the in-situ injection of chemical amendments to promote enhanced in situ biological degradation (EISB) of chlorinated volatile organic compounds (VOCs) and petroleum fuel hydrocarbons that are present in the groundwater as a result of historical operations at the Site. In a letter dated April 17, 2020, the Raytheon Company notified the Santa Ana Water Board that on April 3, 2020 the Raytheon Company had completed a merger with United Technologies Corporation and changed their name to Raytheon Technologies Corporation. On May 8, 2020, the Santa Ana Water Board adopted Order R8-2020-0015 amending the Order. The amendment order changed the name of the discharger subject to the Order from The Raytheon Company to Raytheon Technologies Corporation and authorized Raytheon Technologies Corporation to conduct additional EISB injection phases at the Site upon the conditional approval by the Executive Officer of a proposed addendum to the remedial action plan of the Site, which would cover the additional EISB injection phase needed to further mitigate the past discharges of VOCs to the soil and groundwater at the Site.

In a letter dated May 20, 2020, the Raytheon Company informed the Santa Ana Water Board that, while United Technologies Corporation changed its corporate name to Raytheon Technologies Corporation, the Raytheon Company continues to exist as a subsidiary of Raytheon Technologies Corporation and is still a legal entity for environmental and regulatory compliance in California. The Raytheon Company requested that the Order be amended to name Raytheon Company as the entity subject to the Order instead of the Raytheon Technologies Corporation. It is appropriate to amend the Order to change the name of the discharger subject to the Order back to the Raytheon Company.

The following shows the proposed changes to Order R8-2016-0061. Additions are bold and underlined and deletions are stricken-out.

Staff Report – Order R8-2020-0039 Amendment
Waste Discharge Requirements for
In Situ Groundwater Remediation
Former Raytheon Facility

1. Order R8-2016-0061, page 1, Findings, replace Finding 2, as follows:
2. Groundwater cleanups at such sites may be accomplished via physical removal and treatment of site contaminants; or may employ the addition (discharge) of chemicals and other reactive materials (amendments) to the soil and groundwater (in situ), to promote remediation. A person or entity applying or proposing to discharge such amendments to soil or groundwater to promote groundwater remediation within a specific treatment zone is referred to as a Discharger. For purposes of this Order, the Discharger is identified as **the Raytheon Company** ~~Raytheon Technologies Corporation~~ (hereinafter Raytheon) **at the above referenced address (hereinafter Site)**.

Recommendation

Adopt Order. R8-2020-0039 as presented.

Comment Solicitation:

Comments were solicited from the discharger and the following agencies and interested parties:

State Water Resources Control Board, Office of the Chief Counsel – Teresita Sablan
State Water Resources Control Board, DWQ – Annalisa Kihara
State Water Resources Control Board, DDW – Paul Richter
Hargis and Associates – Ken Puentes
California Commercial Real Estate Services – Jessica Beegle
Orange County Health Care Agency – Lauren Robinson
Orange County Water District – Jason Dadakis
Orange County Public Works – Chris Crompton
Orange County Coastkeeper – Garry Brown
City of Newport Beach – Bob Stein and John Kappeler

**State of California
California Regional Water Quality Control Board
Santa Ana Region**

**Tentative Order R8-2020-0039
Amendment of Order R8-2016-0061
Waste Discharge Requirements
For
In Situ Remediation of Groundwater
Former Raytheon Facility
500 Superior Ave, Newport Beach**

The California Regional Water Quality Control Board, Santa Ana Region (hereinafter Santa Ana Water Board), finds that:

1. On December 16, 2016, the Santa Ana Water Board adopted Order R8-2016-0061 (hereinafter Order), prescribing waste discharge requirements to The Raytheon Company for their former Raytheon Facility (hereinafter Site), for the in-situ injection of chemical amendments to promote enhanced in-situ biological degradation (EISB) of chlorinated volatile organic compounds (VOCs) and petroleum fuel hydrocarbons that are present in the groundwater as a result of historical operations at the Site. In a letter dated April 17, 2020, the Raytheon Company notified the Santa Ana Water Board that on April 3, 2020 the Raytheon Company had completed a merger with United Technologies Corporation and changed their name to Raytheon Technologies Corporation. On May 8, 2020, the Santa Ana Water Board adopted Order R8-2020-0015 amending the Order. The amendment order changed the name of the discharger subject to the Order from The Raytheon Company to Raytheon Technologies Corporation and authorized Raytheon Technologies Corporation to conduct additional EISB injection phases at the Site upon the conditional approval by the Executive Officer of a proposed addendum to the remedial action plan of the Site, which would cover the additional EISB injection phase needed to further mitigate the past discharges of VOCs to the soil and groundwater at the Site.
2. In a letter dated May 20, 2020, the Raytheon Company informed the Santa Ana Water Board that, while United Technologies Corporation changed its corporate name to Raytheon Technologies Corporation, the Raytheon Company continues to exist as a subsidiary of Raytheon Technologies Corporation and is still a legal entity for environmental and regulatory compliance in California. The Raytheon Company requested that the Order be amended to name Raytheon Company as the entity subject to the Order instead of Raytheon Technologies Corporation. It is appropriate to amend the Order to change the name of the discharger subject to the Order back to the Raytheon Company.
3. In accordance with Water Code Section 13389, amending the waste discharge requirements for this discharge is exempt from those provisions of the California

Environmental Quality Act (CEQA) contained in Chapter 3 (commencing with Section 21100), Division 13 of the Public Resources Code.

4. The Board has notified the discharger and other interested agencies and persons of its intent to amend waste discharge requirements for the discharge and has provided them with an opportunity to submit their written views and recommendations.
5. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that, Order R8-2016-0061 be amended as follows:

1. Order R8-2016-0061, page 1, Findings, replace Finding 2, as follows:
 2. Groundwater cleanups at such sites may be accomplished via physical removal and treatment of site contaminants; or may employ the addition (discharge) of chemicals and other reactive materials (amendments) to the soil and groundwater (in situ), to promote remediation. A person or entity applying or proposing to discharge such amendments to soil or groundwater to promote groundwater remediation within a specific treatment zone is referred to as a Discharger. For purposes of this Order, the Discharger is identified as the Raytheon Company (hereinafter Raytheon) at the above referenced address (hereinafter Site).
2. These amendments shall become effective upon the adoption of this Order
3. All other conditions and requirements of Order R8-2016-0061, including Attachments, shall remain unchanged.

I, Hope A. Smythe, Executive Officer, do hereby certify that the forgoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, Santa Ana Region, on September 11, 2020.

Hope A. Smythe
Executive Officer