



**Jared Blumenfeld**  
Secretary for  
Environmental Protection



## Department of Toxic Substances Control

Meredith Williams, Ph.D.  
Acting Director  
9211 Oakdale Avenue  
Chatsworth, California 91311



**Gavin Newsom**  
Governor

October 9, 2019

Governor's Office of Planning & Research

**OCT 17 2019**

**STATE CLEARINGHOUSE**

Mr. Benny Dehghi  
Honeywell International  
2525 West 190th Street  
Mail stop 23-1-62  
Torrance, California 90504-6099

REMOVAL ACTION WORK PLAN AND NOTICE OF EXEMPTION FORMER  
HONEYWELL TURBO TECHNOLOGIES FACILITY, 3201 LOMITA BOULEVARD,  
TORRANCE CALIFORNIA

Dear Mr. Dehghi:

The Department of Toxic Substances Control (DTSC) has registered the Notice of Exemption (NOE) with the State Clearinghouse for the proposed removal action to be conducted at 3201 West Lomita Blvd. Torrance, California. The Removal Action Workplan (RAW) was drafted February 2019 and amended, per DTSC comments, in July 2019. The RAW and NOE completed their public comment on September 22, 2019. The documents have received no further comments therefore both documents are approved.

DTSC looks forward to the design documents and field work to begin. If you have any questions, please do not hesitate to contact project manager Lori Parnass at (818) 717-6597, or e-mail at [lori.parnass@dtsc.ca.gov](mailto:lori.parnass@dtsc.ca.gov).

Sincerely,

Juli Propes  
Unit Chief  
Site Mitigation and Restoration Program – Chatsworth Office



## NOTICE OF EXEMPTION

2019100334

**To:** Office of Planning and Research  
State Clearinghouse  
P.O. Box 3044, 1400 Tenth Street, Room 212  
Sacramento, CA 95812-3044

**From:** Department of Toxic Substances Control  
Site Mitigation and Restoration Program  
9211 Oakdale Ave,  
Chatsworth, CA 91311

<b>Project Title:</b> Removal Action Work Plan (RAW) for Volatile Organic Compounds in Groundwater, Former Honeywell Lomita Site		
<b>Project Address:</b> 3201 Lomita Boulevard	<b>City:</b> Torrance	<b>County:</b> Los Angeles
<b>Approval Action Under Consideration by DTSC:</b>		
<input checked="" type="checkbox"/> Removal Action Workplan	<input type="checkbox"/> Initial Permit Issuance	<input type="checkbox"/> Permit Re-Issuance
<input type="checkbox"/> Corrective Measure Study/Statement of Basis	<input type="checkbox"/> Permit Modification	<input type="checkbox"/> Closure Plan
<input type="checkbox"/> Remedial Action Plan	<input type="checkbox"/> Regulations	<input type="checkbox"/> Interim Removal
<input type="checkbox"/> Other (specify):		
<b>Statutory Authority:</b>		
<input type="checkbox"/> California H&SC, Chap. 6.5 <input checked="" type="checkbox"/> California H&SC, Chap. 6.8 <input type="checkbox"/> Other (specify):		

**Project Description:** The project involves the approval of the Removal Action Work Plan (RAW) for Volatile Organic Compounds (VOCs) in Groundwater at the Former Honeywell Lomita Site (Site). The RAW summarizes site investigation findings and details the proposed enhancements to the existing remediation treatment system: the addition of an air sparging (AS) system to the treatment train and the addition of two soil vapor extraction (SVE) wells to protect human health and the environment. The full-scale AS system will utilize six existing vapor extraction wells at the Site and will construct 21 new AS wells.

**Background:** The Site is located in the city of Torrance at the northeast corner of Lomita Boulevard and Early Avenue. The Site is surrounded by commercial and light industrial properties including the Torrance Memorial Medical Center located directly across Lomita Boulevard from the Site. Residential properties are located approximately 0.25 miles to the north and west of the Site.

The Site was first developed and operated by Vickers in the early 1950s and was primarily a manufacturer of fluid control, pumps, cylinders, and hydraulic systems equipment for aerospace, marine, and defense industries. White Motor Corporation operated the facility from 1961 to 1973 and developed an engine test laboratory building at the rear of the east production shop in 1966. Garrett Corporation operated the facility from 1973 to 1986. In 1986 Garrett Corporation, which was an engine test laboratory, was acquired by AlliedSignal Inc, now known as Honeywell. Honeywell manufactured turbo chargers for power generation equipment and various vehicles. In 2011, the facilities and utilities above and beneath the Site were demolished, and the 15.8-acre property was regraded and reconstructed to a parking lot owned and operated by Torrance Health Association.

Several phases of preliminary endangerment assessment and extended site characterization were conducted at the Site from 2004 through 2008. Based on site investigation findings and consultation with DTSC, Honeywell proceeded with a human health risk assessment and a series of remedial actions (RAs) and pilot testing activities to remediate subsurface soil and groundwater impacts.

In May 2010, Honeywell conducted aquifer slug testing and groundwater sampling at eight groundwater monitoring wells. In June 2010, Honeywell installed two groundwater treatability pilot test wells and a new groundwater monitoring well at the Site. Based on data collected, Honeywell proposed postponing the groundwater pilot test until deep soil cleanup with the full-scale system was further underway and until adequate volatile organic compound (VOC) concentration trends were established from the groundwater monitoring program. In July and August 2010, Honeywell conducted an SVE pilot test at an isolated VOC soil hotspot along the eastern Site boundary. The VOC soil hotspot was remediated during the SVE pilot test such that additional remedial measures were not found to be necessary for the shallow soil. From April to October 2010, Honeywell performed soil RAs as interim remedial measures for shallow Site soil impacted by VOCs and polychlorinated biphenyls (PCBs). These RAs remediated the shallow VOC- and PCB-impacted soil. Based on the results from the SVE pilot test and the interim remedial measure RAs, DTSC determined that remediation of shallow soil at the Site had been completed and that no further remedial actions would be required for shallow site soil.

In May 2013, Honeywell designed and installed a full-scale SVE system to remediate the VOC soil vapor plume in deep soil. Operation of this system resulted in a significant reduction of VOC concentrations in soil vapor and achieved soil

vapor cleanup goals established in the Removal Action Work Plan for Deep Soil, Former Honeywell Turbo Technologies (February 2012) at all monitoring points (50 µg/L of PCE). Operation of the SVE system was suspended while a data gap investigation was conducted. The Final Data Gap Investigation Report (dated October 28, 2016) concluded 1) VOCs detected in groundwater at the southeast corner of the Site are from an offsite source that is different from the central onsite VOC plume; 2) soil vapor profiles indicate that the source of VOCs is groundwater; 3) there may be a possible third source near, up gradient, and/or cross gradient; and 4) the elevated perchloroethylene-trichloroethene (PCE-TCE) ratio in monitoring well MW-5 may suggest comingling of VOCs from the site with other offsite source(s).

Honeywell and DTSC entered into a Voluntary Cleanup Agreement (HAS-A 04/05-012) and Amendment (Docket No. HAS-VCA 07/08-156) to conduct soil and soil vapor investigation and remediation activities at the Site, as necessary, to protect human health and the environment.

**Project Activities:** Air sparging was selected as the removal action for conceptual development because of the existing onsite SVE infrastructure and its known effectiveness. The target treatment area has been designed to treat areas with the highest PCE concentration and to reduce offsite migration of the VOC groundwater plume. Honeywell performed an AS pilot test at an adjacent site (located on the northwest side of Early Avenue) in September 2014. The results of the pilot test indicated that the lateral sparge influence zone was at least 30 feet with a target flow rate of 40 standard cubic feet per minute (scfm) at 50 pounds per square inch.

The proposed full scale AS system will utilize six of the existing SVE wells, construct two additional SVE wells, and construct 21 AS wells. The AS well locations were selected to treat the areas with the highest PCE concentration to control and reduce offsite migration of the VOC groundwater plume.

The wellheads of the new AS wells will be connected to a new compressor using underground piping. The underground piping will be buried up to 36 inches below ground surface (bgs), a depth subject to refinement during remedial design. Piping will consist primarily of 3-inch diameter DR11 high density polyethylene (HDPE) pipes, although larger-diameter piping may be used depending on the number of wells connected and the length of run to the compressor. The compressor will be placed in the existing Honeywell compound (located at the northeast corner of the Site) to operate the 21 AS wells. The compressor size and operation schedule will be refined during the design and system operation.

The AS, SVE, and groundwater monitoring wells will be drilled and installed using the hollow-stem auger drilling method. The AS wells will be completed with 2-inch diameter Schedule 40 polyvinyl chloride (PVC) casing with 3-foot-long well screens with planned installation depths of approximately 110 feet bgs. The exact depth of the AS wells may be adjusted during the design to maximize efficiencies (balance between well installation cost and extent of treatment). The SVE wells will be completed with 4-inch diameter Schedule 40 PVC casing with 20-foot long well screens with planned installation depths of approximately 64 feet bgs. The groundwater monitoring wells will be completed with 2-inch-diameter Schedule 40 PVC casing with 20-foot-long well screens with planned installation depths of approximately 90 feet bgs. The depth of the well screens will be adjusted in the field according to observed static water level so that the top of each well screen is placed 5 feet above the observed static water level.

Subsurface soil vapor containing VOCs will be extracted from select SVE wells using existing positive displacement vacuum blowers. Prior to entering the blower units, the extracted vapors will pass through a vapor-liquid separator where the entrained moisture is removed and transferred to an aboveground storage tank. The vapor stream exiting each blower flows through a heat exchanger prior to treatment through two granular activated carbon vessels, connected in series, to remove the VOCs. The treated vapor stream will be released to the atmosphere as permitted by the SCAQMD permit to operate.

Required permits for well drilling will be obtained from Los Angeles County. Honeywell maintains a Site-specific Southern California Air Quality Management District (SCAQMD) permit to operate the SVE system and the SCAQMD permit also includes AS operations. Lastly, an electrical permit, plan check of the piping system, and building permit will be obtained from the City of Torrance for installation of the AS system.

Installation of wells, piping, and treatment system will be implemented between September and November 2019 with system startup anticipated to occur in December 2019.

**Name of Public Agency Approving Project:** Department of Toxic Substances Control

**Name of Person or Agency Carrying Out Project:** Honeywell International Inc.

**Exempt Status:** (check one)

Ministerial [PRC, Sec. 21080(b)(1); CCR, Sec. 15268]

- Declared Emergency [PRC, Sec. 21080(b)(3); CCR, Sec.15269(a)]
- Emergency Project [PRC, Sec. 21080(b)(4); CCR, Sec.15269(b)(c)]
- Categorical Exemption: [CCR Title 14, Sec. 15330]
- Statutory Exemptions: [State Code Section Number]
- Common Sense Exemption [CCR, Sec. 15061(b)(3)]

**Exemption Title:** Minor Actions Taken to Prevent, Minimize, Mitigate or Eliminate the Release or Threat of Release of a Hazardous Waste or Hazardous Substances.

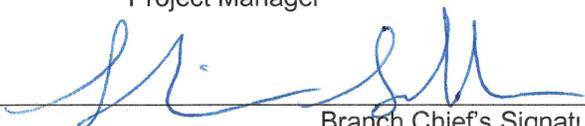
**Reasons Why Project is Exempt:**

1. The project is a minor action designed to prevent, minimize, stabilize, mitigate, or eliminate the release or threat of release of hazardous waste or hazardous substances.
2. The project will not exceed \$1 million in cost.
3. The project will be consistent with applicable State and local environmental permitting requirements including a well drilling permit from Los Angeles County, site-specific SCAQMD permit to operate, and building permit from City of Torrance.
4. The project does not involve the onsite use of a hazardous waste incinerator or thermal treatment unit
5. The project does not involve the relocation of residences or businesses.
6. The project does not involve the potential release into the air of volatile organic compounds as defined in Health and Safety Code Section 25123. The project is a small scaled in-situ soil vapor extraction and treatment system which is permitted by the South Coast Air Quality Management District (SCAQMD).
7. The exceptions pursuant to California Code Regulations, Title 14 § 15300.2 have been addressed as follows:
  - a. Cumulative Impact. The project will not result in cumulative impacts because it is designed to be a short-term final remedy that would not lead to a succession of projects of the same type in the same place over time.
  - b. Significant Effect. The project does not involve any unusual circumstances so that there is no possibility that the project will have a significant effect on the environment.
  - c. Scenic Highways. The project will not damage scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, because it is not located within a highway officially designated as a state scenic highway.
  - d. Hazardous Waste Sites. The project is not located on a site which is included on any list compiled pursuant to Section 65962.5 of the Government Code. (<http://calepa.ca.gov/sitecleanup/corteselist/default.htm>)
  - e. Historical Resources. The project will not cause the substantial adverse change in the significance of an historical resource at the Site because there are none at the Site.

Evidence to support the above reasons is documented in the project file record, available for inspection at:

Department of Toxic Substances Control  
File Room  
Site Mitigation and Restoration Program  
9211 Oakdale Ave  
Chatsworth, California 91311

[https://www.envirostor.dtsc.ca.gov/public/profile\\_report.asp?global\\_id=19340797](https://www.envirostor.dtsc.ca.gov/public/profile_report.asp?global_id=19340797)

Lori Parnass Project Manager	Environmental Scientist Title	(818) 717-6597 Phone No.
 Branch Chief's Signature		10/9/2019 Date
Haissam Y. Salloum, P.E. Branch Chief	Branch Chief Title	818)717-6538 Phone No.

**TO BE COMPLETED BY OPR ONLY** Governor's Office of Planning & Research

Date Received for Filing and Posting at OPR: **OCT 17 2019**

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