

**NOTICE OF EXEMPTION**

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

**From:** Department of Toxic Substances Control  
Brownfields and Environmental Restoration  
1515 Tollhouse Road  
Clovis, California 93611

<b>Project Title:</b> The Dow Chemical Company – Corrective Measures Study/Statement of Basis		
<b>Project Address:</b> 305 Crenshaw Blvd.	<b>City:</b> Torrance	<b>County:</b> Los Angeles
<b>Approval Action Under Consideration by DTSC:</b>		
<input type="checkbox"/> Removal Action Workplan	<input type="checkbox"/> Initial Permit Issuance	<input type="checkbox"/> Permit Re-Issuance
<input checked="" 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 checked="" type="checkbox"/> California H&SC, Chap. 6.5 <input type="checkbox"/> California H&SC, Chap. 6.8 <input type="checkbox"/> Other (specify):		

**Project Description:** The project involves the approval of the Limited Corrective Measures Study and Statement of Basis which document and recommend a corrective measure alternative that will be implemented at the Dow Chemical Company Crenshaw Facility to reduce concentrations of constituents of concern (COCs) to levels protective of human health and the environment. The recommended alternative includes the installation of a monitoring well network and the construction of a permeable reactive barrier (PRB) at The Dow Chemical Company site (Site) located at 305 Crenshaw Boulevard in the City of Torrance.

**Background:** The Dow Chemical Company Crenshaw Facility is located within an established industrial area of the City of Torrance. Dow operated a manufacturing facility that produced styrene and polymers at the Site. Land located to the west of the Site is currently occupied by a retail lumber store, with railroad tracks and additional industrial buildings further to the west. Land to the north is occupied by the Torrance Refinery and land to the east across Crenshaw Boulevard is occupied by commercial/industrial facilities. Lastly, land located to the south of the Site is currently used for storing new vehicles by a local automobile dealer.

Between 1995 and 2015, Site investigations identified the presence of ethylbenzene and styrene in soil and perched zone groundwater in the area of the solid management unit (SWMU) No. 9. The investigations also detected concentrations of tetrachloroethene (PCE) and trichloroethylene (TCE) in soil, soil gas, and perched zone groundwater in the eastern side of the Site. In addition, PCE and TCE were also detected in soil gas beneath the onsite maintenance shop. The primary source of styrene and ethylbenzene impacts is associated with a release in the general vicinity of former underground tanks that were located west of Tank T-7A, which is at the north edge of the of the styrene processing plant.

**Project Activities:** Project activities involve the installation of additional monitoring wells and PRB to achieve the project cleanup goals which are to prevent groundwater contamination from migrating off-site and to treat groundwater contamination to a level that is protective of human health and the environment. The PRB will be installed along the eastern side of the property to remove PCE in the perched zone groundwater on the eastern side of the property fence. The PRB consists of a series of 4 to 5 injection wells where substrates will be injected to target depths from 30 to 45 feet below ground surface. In addition, monitoring wells will also be installed to monitor the progress on the PRB system and natural attenuation of the contamination. Installation of the PRB treatment system is anticipated to require two weeks to complete.

The Site is located in an established industrial area and located over 400 feet from the closest sensitive land use (i.e., residences) that could be affected by project activities. Potential noise impacts will be mitigated by limiting drill rig operation to times allowed by City of Torrance (between 7:30 a.m. to 6:00 p.m. Monday through Friday and 9:00 a.m. to 5:00 p.m. on Saturdays). Prior to implementation, the necessary approvals, permits, and licenses required by local and state agencies will be obtained which include:

- Permeable Reactive Barrier Permit – Los Angeles Regional Water Quality Control Board
- Well Installation Permit – City of Torrance

In addition, affected parties will be notified of the scheduled work dates approximately one week prior to commencing work. Nearby property owners and tenants will be notified at least five days in advance of field activities.

An analysis of project activities upon existing environmental conditions indicates that implementation of environmental safeguards and monitoring procedures that are enforceable and made a condition of project approval will ensure that impacts to the environment will be less than significant.

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

**Name of Person or Agency Carrying Out Project:** The Dow Chemical Company

**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:** Common Sense: It can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment.

**Reasons Why Project is Exempt:**


DTSC has determined with certainty that there is no possibility that the activities in question may have a significant effect on the environment because the project would not result in "a substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project, including land, air, water, minerals, flora, fauna, ambient noise, and objects of historic or aesthetic significance."

The project is consistent with applicable state and local environmental permitting requirements including, but not limited to, air quality rules such as those governing volatile organic compounds and water quality standards, and approved by the regulatory body with jurisdiction over the site. Prior to implementing field activities, all necessary permits will be obtained from the City of Torrance and Los Angeles Regional Water Quality Control Board.

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

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

DTSC EnviroStor website:  
[https://www.envirostor.dtsc.ca.gov/public/hwmp\\_profile\\_report?global\\_id=CAD009547050](https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD009547050)

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 Branch Chief's Signature		12/01/2020 Date
Haissam Y. Salloum, P.E. Branch Chief	Supervising Hazardous Substances Engr II Title	(818) 717-6538 Phone No.

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