

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

**TIME SCHEDULE ORDER NO. R4-2022-0015-A01
REQUIRING OWENS CORNING**

**TO COMPLY WITH REQUIREMENTS PRESCRIBED IN THE GENERAL PERMIT
FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES
AMENDED NOVEMBER 6, 2018 AND EFFECTIVE JULY 1, 2020
(NPDES PERMIT No. CAS000001)
WDID NO. 4 19I003711**

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

1. Owens Corning (OC) owns and operates a facility located at 1501 North Tamarind in Compton, California (Facility). This Facility encompasses a total area of 8 acres, and an industrial area of 5 acres.
2. The Facility is an industrial operation that is required to have coverage under the State's General Permit for Storm Water Discharges Associated with Industrial Activities, amended on November 6, 2018, and effective on July 1, 2020 (Amended General Permit). The Amended General Permit also serves as a permit under the National Pollutant Discharge Elimination System program, NPDES Permit No. CAS000001. The Facility develops and produces asphalt roofing shingles. The roofing plant, located in the southern part of the Facility, uses metals to produce granulated shingles. Bundles of shingles are wrapped in plastic and stored in a final product storage yard before being shipped. The asphalt plant, located in the northern part of the Facility, primarily receives bulk asphalt by tanker truck, where it is unloaded into large above ground storage tanks. Asphalt is pumped into stills or converters where it is converted into roofing grade asphalt. Blowdown oil is also captured and sold. The Facility has a Standard Industrial Classification (SIC) code of 2952-Asphalt Felt and Coatings. This SIC code is listed as requiring permit coverage in Attachment A to the Amended General Permit.
3. The Amended General Permit establishes numeric effluent limitations (NELs) for facilities that discharge stormwater associated with industrial activities into water bodies that have certain approved Total Maximum Daily Loads (TMDLs) and that have waste load allocations for industrial stormwater discharges as set forth in Attachment E to the Amended General Permit. NELs are numerical limits, an exceedance of which is a violation of the Amended General Permit. The NELs

require dischargers to limit the concentration of pollutants in their stormwater discharges to protect water quality.

4. Stormwater runoff from the Facility discharges to Reach 24 of Compton Creek, a tributary to Reach 2 of the Los Angeles River.
5. The NELs that apply to industrial discharges from the Facility include total cadmium, total copper, total lead, total zinc, nitrate-nitrogen, nitrite-nitrogen, nitrate plus nitrite-nitrogen and ammonia. These NELs are new and more stringent than the prior regulatory requirement in the previous General Permit. These NELs became effective on July 1, 2020 and exceedances of the NELs may result in mandatory minimum penalties pursuant to California Water Code (Water Code) section 13385, subdivisions (h) and (i).
6. OC has completed a pollutant source assessment that addresses each of these pollutants and identified total zinc and total copper as associated with industrial activities at the Facility.
7. OC is expected to exceed the NELs for total zinc and total copper based on the historical monitoring data reported to the State's online Stormwater Multiple Application and Report Tracking System (SMARTS) database. The NELs and the corresponding concentrations of these pollutants in the discharge from the Facility have been reported to be:

Pollutant	Reported Concentration Range in mg/L	Numeric Effluent Limit in mg/L
Total zinc	0.031 - 1.06	0.159
Total copper	0.00595 - 0.161	0.06749

8. OC will require additional pollutant control measures to comply with the applicable NELs listed in the Amended General Permit.
9. The Facility currently employs minimum BMPs such as sweeping, performed with a street sweeper twice a week, cleaning of drains using sweeper vacuum trucks or an internal shop-vac annually, and identification of storm drain infrastructure with red paint to avoid damage by vehicular traffic. Additionally, the Facility incorporates the use of Ultratech metal recovery filters and socks. These are designed to prevent metals from entering the storm drain and are installed at catch basins A – K, except Drain C. Bollards are also implemented throughout the facility, at Drains A, B, E, F, K, and J, to prevent damage from forklift traffic. The location of these catch basins and drains are shown on OC's site map.
10. OC installed Clean Way Downspout Filter Systems to treat the stormwater that runs off the shipping-storage roof and the pouring-shed roof. The downspout filter reroutes and captures rooftop runoff into a self-contained, compact filter system containing MetalZorb filter media. In addition, OC installed AbTech's Filter Chesters (catch basin inserts) at all catch basins onsite. OC also installed AbTech's Smart Sponge media within the Chesters at catch basins C, D, E, F, G,

H, RTO-S, RTO-N, and W to treat dissolved metals. The installation of Chesters and Smart Sponge media replaced and discontinued the use of the metal removing filters from Ultratech. OC constructed a trench drain and installed Smart Sponge media at drainage areas 5 and 6 to treat dissolved metals from sheet flow. These modifications could not be designed, installed, or put into operation prior to July 1, 2020, because time was needed to wait for the appropriate qualified storm events and measure effectiveness of the samples after BMP implementation.

11. On October 16, 2024, OC submitted a TSO extension request to the Regional Water Board to allow for additional time to design, install and test an above ground treatment system (ATS). The drainage area to the ATS is approximately 5.6 acres in size and was sized to meet the IGP Section X.H.6 design storm requirements. Since the proposed system is a combination of volume storage and flow-based treatment, the IGP alternative for 80% long-term volume capture will be used.
12. Two frac tanks, tied in parallel, will provide equalization of flows prior to treatment. Flows from the storage tanks will be pumped to the ATS which will be a combined pretreatment unit followed by media filtration with a metal-targeting media. Effluent from the ATS will be piped to the existing on-site storm drain network west of the pump station. During most storms, flow at the pump station will be directed to the ATS with no bypass of untreated flows offsite. During storms greater than the IGP design storm, the exiting pump will be triggered, allowing untreated stormwater to bypass the system. When the bypass pump is triggered, an alert will be triggered, alerting site operators that bypass is occurring so that bypass can be sampled at the pump house if encountered during QSE monitoring. Bypass flows will be conveyed to the existing storm drain, joining effluent from the ATS before discharging to the Municipal Separate Storm Sewer System (MS4) at Mona Boulevard.
13. Per Water Code section 13385 subdivision (j)(3)(C)(iii)(I), if a time schedule exceeds one year from the effective date of the Time Schedule Order (TSO), the schedule must include interim requirements, that include effluent limitations for the pollutant of concern. Because this Order ends on December 31, 2026, consistent with Water Code section 13385, interim effluent limits are included for total zinc and total copper.
14. OC has developed and updated a facility specific Storm Water Pollution Prevention Plan (SWPPP) that is currently being implemented and complies with the monitoring and reporting requirements of the Amended General Permit. The facility specific SWPPP dated October 9, 2024 has been submitted electronically to the SMARTS database.
15. Water Code section 13300 states: "Whenever a regional board finds that a discharge of waste is taking place or threatening to take place that violates or will violate requirements prescribed by the regional board, or the state board, or that the waste collection, treatment, or disposal facilities of a discharger are

approaching capacity, the board may require the discharger to submit for approval of the board, with such modifications as it may deem necessary, a detailed time schedule of specific actions the discharger shall take in order to correct or prevent a violation of requirements.”

16. Water Code section 13385, subdivisions (h) and (i), require the Regional Water Board to impose mandatory minimum penalties when dischargers violate effluent limitations in NPDES permits. Water Code section 13385 subdivision (j)(3) allows the Regional Water Board to exempt certain facilities from mandatory minimum penalties “when there are exceedances of NELs if the facility is in compliance with a time schedule order issued pursuant to Section 13300 if all of the requirements are met.”
17. Water Code section 13385, subdivision (j)(3)(B)(i), allows the Regional Water Board to issue a (TSO) if the “regional board finds that... the discharger is not able to consistently comply with one or more of the effluent limitations established in the waste discharge requirements” if the “effluent limitation is a new, more stringent, or modified regulatory requirement that has become applicable to the waste discharge after the effective date of the waste discharge requirements and after July 1, 2000, new or modified control measures are necessary in order to comply with the effluent limitation, and the new or modified control measures cannot be designed, installed, and put into operation within 30 calendar days.”
18. Prerequisites to issuing a TSO include those set forth in Water Code section 13385 subdivisions (j)(3)(C)(i), (j)(3)(C)(iii), and (j)(3)(D):

The TSO must establish “a time schedule for bringing the waste discharge into compliance with the effluent limitation that is as short as possible, taking into account the technological, operational, and economic factors that affect design, development and implementation of the control measures that are necessary to comply with the effluent limitation,” (Wat. Code § 13385, subd. (j)(3)(C)(i).) The TSO shall not exceed five years in length unless an extension is granted in accordance with Water Code section 13385, subdivision (j)(3)(C). If the time schedule exceeds one year from the effective date of the order, the schedule shall include interim requirements and the dates for their achievement. The interim requirements shall include both (I) Effluent limitations for the pollutant or pollutants of concern. (II) Actions and milestones leading to compliance with the effluent limitation. (Wat. Code § 13385, subd. (j)(3)(C)(iii).) The discharger must “[have] prepared and [be] implementing in a timely and proper manner, or [be] required by the regional board to prepare and implement, a pollution prevention plan pursuant to section 13263.3.” (Wat. Code § 13385, subd. (j)(3)(D).)

19. The Regional Water Board issues this TSO to OC based on all the findings set forth herein.

20. The time schedule set forth herein ends on December 31, 2026. This date does not exceed 5 years.
21. Pursuant to Water Code section 13385, subdivision (j)(3), full compliance with the requirements of this TSO exempts OC from mandatory minimum penalties (MMPs) only for violations of the NELs for total zinc and total copper that occur after the effective date of this TSO until the expiration date of this TSO. If an interim effluent limitation contained in this TSO is exceeded, OC may be subject to enforcement action. An exceedance of the interim effluent limitations for the purpose of this TSO is defined as when two (2) or more analytical results from samples taken for any single parameter within a reporting year exceed the interim effluent limitations. In addition, if OC does not implement its SWPPP or comply with the time schedule in this TSO, OC may be subject to enforcement action.
22. The issuance of this TSO is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to California Code of Regulations, Title 14, section 15301 because the TSO pertains to an existing facility and involves negligible or no expansion of an existing use. In addition, the issuance of this TSO is categorically exempt from CEQA pursuant to California Code of Regulations, Title 14, sections 15307, 15308, and 15321, subdivision (a)(2). The issuance of this TSO is an action to assure the maintenance, restoration, enhancement and protection of the environment and a natural resource and is also an enforcement order issued by the Regional Water Board.
23. All technical and monitoring reports required under this TSO are required pursuant to Water Code section 13383. The Regional Water Board needs the required information to determine compliance with this TSO and the Amended General Permit.
24. Pursuant to Water Code section 13167.5, subdivision (a)(3), the Regional Water Board has notified OC, interested agencies, and interested persons of its intent to issue this TSO concerning compliance with waste discharge requirements and provided a 30-day comment period. The Regional Water Board considered all comments received.
25. Any person aggrieved by this action of the Regional Water Board may petition the State Water Board to review the action in accordance with the Water Code section 13320 and the California Code of Regulations, Title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the Regional Water Board action, except that if the thirtieth day following the action falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found online at http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

IT IS HEREBY ORDERED that, pursuant to the Water Code sections 13300 and 13385, subdivision (j)(3), Owens Corning, OC, shall comply with the requirements listed below to ensure compliance with the NELs for total zinc and total copper contained in the Amended General Permit by December 31, 2026:

1. Comply immediately with the following interim actions, schedule, and interim effluent limitations at all discharge points:

Interim Action:	Schedule:
Implement facility specific SWPPP	Throughout the span of enrollment in the Amended General Permit
Sample collection, analysis, and evaluation of filtration system	June 30, 2025
Sample collection, analysis, and installation of above ground treatment system	December 31, 2025
Further sample collection and evaluation of treatment system	June 30, 2026
Comply with NELs	December 31, 2026

Pollutant	Interim Effluent Limitation in mg/L
Total zinc	0.717
Total copper	0.161

The foregoing interim effluent limitations and interim actions are in effect from (Date of Approval) through December 31, 2026. During this time, Owens Corning shall comply with the interim actions and associated schedule as described in this TSO.

2. Submit, electronically through the SMARTS database, biannual progress reports of efforts taken to comply with the interim actions per the above schedule and with the interim effluent limitations in addition to other reporting requirements pursuant to the Amended General Permit. The reports shall summarize the progress to date, activities conducted during the reporting period, and the activities planned for the upcoming reporting period. Biannual progress reports shall be due June 30th and December 31st each year throughout the duration of this TSO, with the first report due on June 30th, 2022.
3. Submit, electronically through the SMARTS database, a final report due on December 31, 2026 that describes a summary of all the interim actions completed and their successful completion.
4. Any person signing a document submitted under this TSO shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

5. If OC fails to comply with any provisions of this TSO, the Regional Water Board may take any further action authorized by law. The Executive Officer, or a delegee, is authorized to take appropriate administrative enforcement action pursuant, but not limited to, Water Code sections 13350 and 13385. The Regional Water Board may also refer any violations to the Attorney General for judicial enforcement, including injunction and civil monetary remedies.
6. All other provisions of the Amended General Permit that are not in conflict with this TSO, including NELs not addressed by this TSO, remain in full force and effect.
7. The Regional Water Board may reopen this TSO at its discretion or at the request of OC, if warranted. Lack of progress towards compliance with this TSO may be cause for the Regional Water Board to modify the conditions of this TSO.
8. This TSO is effective on (Date of Approval) and expires on December 31, 2026.

SO ORDERED.

Susana Arredondo, Executive Officer

Date