

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

**TIME SCHEDULE ORDER NO. R4-2021-0014  
REQUIRING MAGNESIUM ALLOY PRODUCTS COMPANY**

**TO COMPLY WITH REQUIREMENTS PRESCRIBED IN 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 19I004719**

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

1. Magnesium Alloy Products Company (MAPC) is an industrial facility located at 2429 North Alameda Street in Compton, California (Facility). This Facility encompasses a total area of 4 acres, the entirety of which is considered an industrial area.
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 conducts aluminum and magnesium casting and has a Standard Industrial Classification (SIC) code of 3365-Aluminum Foundries. 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. The NELs are numerical limits, an exceedance of which is a violation of the Amended General Permit and 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 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 requirements 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. MAPC has completed a pollutant source assessment that addresses each of these pollutants and identified total zinc as associated with industrial activities at the Facility.
7. MAPC is expected to exceed the NEL for total zinc based on historical monitoring data reported to the State's online Stormwater Multiple Application and Report Tracking System (SMARTS) database. The NEL and the corresponding concentrations of total zinc in the discharge from the facility have been reported to be:

<b>Pollutant</b>	<b>Reported Concentration Range in mg/L</b>	<b>Numeric Effluent Limit in mg/L</b>
Total zinc	0.062 – 0.566	0.159

8. MAPC will require additional pollutant control measures to comply with the applicable NEL listed in the Amended General Permit.
9. The Amended General Permit provides alternative on-site compliance options for facilities that exceed or expect to exceed the NELs (see Attachment I of the Amended General Permit). These compliance options include capture and diversion of the volume of stormwater associated with industrial activities that results from the 85<sup>th</sup> percentile, 24-hour storm to the sanitary sewer or, capture and infiltration of the volume of stormwater associated with industrial activities that results from the 85<sup>th</sup> percentile, 24-hour storm, or elimination of exposure of industrial activities to stormwater, or capture the volume of stormwater from the maximum historic precipitation event.
10. MAPC has implemented a stormwater treatment system and is evaluating its performance through stormwater sampling and analysis during the 2020-2021 reporting year and the first half of the 2021-2022 reporting year. The stormwater treatment system was installed on-site in October of 2020. The Facility will continue to evaluate stormwater treatment effectiveness through March 31, 2022. The Facility also plans to clean conveyance trenches on an as-needed basis and filter socks have been upgraded to specifically target metals until compliance is achieved.

11. The stormwater treatment system for MAPC consists of the following: a stormwater separation system, a stormwater filtration system, a detention system, and a pump system. The vendor will provide a memorandum (stamped by a California licensed professional engineer) with system sizing and design information, safety factors and system training information. The final performance evaluation would be documented during the first half of the 2021-2022 reporting year with TMDL compliance anticipated to be achieved by July 1, 2022. Evaluation of the treatment system began with the the two QSEs that took place the second half of the 2020-2021 reporting period and will continue through March 31, 2022.
12. Per Water Code section 13385 subdivision (j)(3)(C)(iii)(I), if a time schedule exceeds one year from the effective date of the TSO, the schedule must include interim requirements that include effluent limitations for the pollutants of concern. Because this Order ends on July 1, 2022, consistent with Water Code section 13385, an interim effluent limit is included for total zinc.
13. MAPC 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 June 30, 2020 has been submitted electronically to the SMARTS database.
14. 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."
15. 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 [specified] requirements are met."
16. Water Code section 13385, subdivision (j)(3)(B)(i), allows the Regional Water Board to issue a Time Schedule Order (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.”

17. 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).)

18. The Regional Water Board issues this TSO to MAPC based on all the findings set forth herein.
19. The time schedule set forth herein ends on July 1, 2022. This date does not exceed 5 years.
20. Pursuant to Water Code section 13385, subdivision (j)(3), full compliance with the requirements of this TSO exempts MAPC from mandatory minimum penalties (MMPs) only for violations of the NEL for total zinc that occur after the effective date of this TSO and Amended General Permit and until the expiration date of this TSO. If an interim effluent limitation contained in this TSO is exceeded, MAPC may be subject to enforcement action. An exceedance of the interim effluent limitation 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 limitation. In addition, if MAPC does not implement its SWPPP or comply with the time schedule in this Order, MAPC may be subject to enforcement action.

21. 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.
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. Pursuant to Water Code section 13167.5, subdivision (a)(3), the Regional Water Board has notified MAPC, 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.
24. 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](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

**IT IS HEREBY ORDERED** that, pursuant to Water Code sections 13300 and 13385, subdivision (j)(3), MAPC, as the operator of the Facility, shall comply with the requirements listed below to ensure compliance with the NEL for total zinc contained in the Amended General Permit by July 1, 2022:

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

<b>Interim Action:</b>	<b>Schedule:</b>
Implement facility specific SWPPP	In compliance with terms in the Amended General Permit
Collection of laboratory analyses of samples from the installed treatment system; demonstration of sensitive laboratory methods, quality assurance of data and comparison of data with NEL for QSEs.	March 31, 2022
Achieve compliance with effluent limitation	July 1, 2022

<b>Pollutant</b>	<b>Interim Effluent Limitation in mg/L</b>
Total zinc	0.566

The foregoing interim effluent limitation and interim actions are in effect from **Date of Approval** through July 1, 2022. During this time, MAPC 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 progress to date and activities conducted during the reporting period and activities planned for the upcoming reporting period. Biannual progress reports shall be due April 1<sup>st</sup> and October 1<sup>st</sup> each year throughout the duration of this TSO, with the first report due on October 1, 2021.
3. Submit, electronically through the SMARTS database, a final report due on July 1, 2022 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 Magnesium Alloy Products Company 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 his/her 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 remain in full force and effect.
7. The Regional Water Board may reopen this TSO at its discretion or at the request of the Facility, 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 July 1, 2022.

**SO ORDERED.**

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**Renee Purdy, Executive Officer**

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**Date**