

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

ORDER NO. 01-179

WASTE DISCHARGE REQUIREMENTS
For
UNITED ROCK PRODUCTS CORPORATION
Pit No. 1 Inert Landfill
(File No. 01-084)

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

1. United Rock Products Corporation (URP or Discharger) owns and operates the URP Pit No. 1 (the site), an aggregate mining pit at 1245 E. Arrow Highway, Irwindale, California. The site is bounded on the north by Arrow Highway, on the south by Live Oak Avenue and on the east by the San Gabriel River Freeway (Figure 1). The center of the site is located at approximately 34°06'44"N and 117°58'55"W.
2. The site has been mined by the Discharger and its predecessors for sand and gravel since the 1940's and has been excavated to approximately 150 feet below natural ground surface (ngs). The ngs at the site is about 392 feet above mean sea level (amsl). Of the 65 acres total area of the site, approximately 42 acres represents the excavation. The remaining 23 acres are composed of property setbacks, slopes and internal roads (Figure 2).
3. The Discharger has been the owner and operator of the site since 1988. Currently, the site is depleted of reserves and destined for reclamation as required by the State Surface Mining and Reclamation Act of 1975 (SMARA) (Public Resource Code, § 2710 et seq.) and the City of Irwindale's Surface Mining Ordinance. The mining pit is now inactive and no other industrial activities are being conducted at the site.
4. On June 18, 2001, the Discharger filed a Report of Waste Discharge (Form 200) in accordance with the California Water Code and applied to fill the site with inert solid wastes, including non-saleable mine materials (native geological materials) and inert wastes imported from off-site sources.
5. On November 8, 1991, the California State Mines and Geology Board approved a reclamation plan, dated May 10, 1990, for the site. The reclamation plan states that "The site will be backfilled, if required by law, to a minimum elevation of 328 feet above mean sea level, which is ten feet above the historic high groundwater elevation of 318 feet."
6. The Discharger also operates two similar aggregate mining pits (URP Pit No. 2 and URP Pit No. 3) and a rock plant at the vicinity of the site (Figure 3). The rock plant has been utilized to process and stockpile materials extracted from the three pits. Non-saleable processed materials (native geological materials) from the rock plant have been backfilled to the three pits, including Pit No. 1.

7. Section 20230(a) of the California Code of Regulations (CCR), title 27, provides that *“Inert waste is that subset of solid waste that does not contain hazardous waste or soluble pollutants at concentrations in excess of applicable water quality objectives, and does not contain significant quantities of decomposable waste.”*
8. Section 20230(c) of the CCR, title 27, provides that the Regional Board can prescribe individual or general WDRs for discharges of inert wastes.
9. The site is located approximately one-half mile from the Santa Fe Dam and the San Gabriel River channel. The area behind the dam and the unlined river channel are used for spreading groundwater for recharge purposes.
10. The site overlies a major drinking water aquifer in the Main San Gabriel Basin in the Los Angeles-San Gabriel Hydrologic Area. Aquifers within the basin are comprised primarily of coarse sand and gravel. The historical high water level at the site is 318 feet amsl. Recent groundwater level at the site varies between 240 to 290 feet amsl, depending on the season of the year and the nearby groundwater recharge activities. The direction of groundwater flow at the site is generally to the southwest and south and groundwater flow velocities have been measured at 6.82 to 7.20 feet/day at the vicinity of the site.
11. The bottom of the pit is partially occupied by groundwater that has been exposed by aggregate mining operations.
12. The Regional Board adopted a revised Water Quality Control Plan for the Los Angeles Region (Basin Plan) on June 13, 1994. The Basin Plan contains beneficial uses and water quality objectives for groundwater in the Main San Gabriel Basin. Beneficial uses of the groundwater in the Main San Gabriel Basin include municipal, agricultural, and industrial services and process supply. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Basin Plan.
13. The California State Mining and Geology Board approved a Negative Declaration for the reclamation of the site on August 26, 1991, under the California Environmental Quality Act (Public Resource Code, § 21000 et seq.).
14. In accordance with the Governor’s Executive Order requiring any proposed activity be reviewed to determine whether such activity will cause additional energy usage, Regional Board staff have determined that implementation of these waste discharge requirements will not result in a change in energy usage.

The Regional Board has notified the Discharger and interested agencies and persons of its intent to adopt waste discharge requirements for this disposal of waste to land and discharge, and has provided interested persons with an opportunity to submit their written views and recommendations.

The Regional Board, in a public meeting, heard and considered all comments pertaining to the discharge and to the tentative requirements.

IT IS HEREBY ORDERED, that United Rock Products Corporation shall comply with the following:

A. Discharge Specifications

1. Wastes disposed of at this site shall be limited to inert wastes only, including, but not limited to:
 - a. Inert mining wastes, including native geological materials generated by URP's aggregate mining activities at or in the vicinity of the site;
 - b. Uncontaminated soil, rock, and gravel;
 - c. Broken concrete;
 - d. Bricks;
 - e. Glass and Ceramics;
 - f. Inert plastics;
 - g. Broken asphalt paving fragments (asphalt shall not be dumped into standing water nor shall it be placed below the highest anticipated groundwater elevation, which is 318 feet amsl at the site); and
 - h. Shredded tires (shredded tires shall not be dumped into standing water nor shall they be placed below the highest anticipated groundwater elevation, which is 318 feet amsl at the site).
2. The Discharger shall remove and relocate to a legal point of disposal any wastes that are discharged in violation of these requirements. For the purpose of these requirements, a legal point of disposal is defined as one for which Waste Discharge Requirements have been established by a California Regional Water Quality Control Board, and is in full compliance therewith. In the event that Discharger opts for a legal point of disposal outside the State of California, the legal point of disposal means a facility that is lawfully permitted under applicable state and federal laws to receive the type of waste improperly disposed of at the site.
3. Adequate facilities shall be provided to divert storm water away from the facility and from areas where any potential pollutants are stored. The Discharger must develop and implement, within 90 days from the adoption of this Order, a Stormwater Pollution Prevention Plan (SWPPP) in accordance with Attachment "A", which is incorporated herein and made part of this Order.

B. Prohibitions:

1. No hazardous wastes, designated wastes, or liquid wastes shall be deposited at this disposal site.

2. Non-hazardous solid wastes (decomposable organic refuse such as, but not necessarily limited to, ordinary household and commercial refuse, tin cans, metals, paper and paper products, plasterboard, cloth and clothing, wood and wood products, lawn clippings, sod, shrubbery, hair, hide, bones, dead animals, roofing paper, tar paper, unquenched ashes mixed with refuse, market refuse, garbage, etc.) shall not be deposited at this site.
3. No materials of a toxic nature such as insecticides, poisons, or radioactive materials, shall be deposited at this site.
4. No asbestos or asbestos products shall be deposited at this site.
5. Wastes deposited at this site shall be confined thereto, and shall not be permitted to enter drainage ditches or watercourses.
6. Erosion of deposited materials by surface flow shall be prevented.
7. Neither the discharge nor any treatment of wastes shall cause pollution or nuisance.

C. Water Quality Protection Standards

In accordance with Title 27, California Code of Regulations, Section 20390, the following groundwater quality protection standards are established for this facility:

<u>Parameter</u>	<u>Units</u>	<u>Water Quality Protection Standard*</u>
Total dissolved solids	mg/L	450
Sulfate	mg/L	100
Chloride	mg/L	100
Boron	mg/L	0.5

* Based on the water quality objectives for the western area of the Main San Gabriel Basin contained in the Basin Plan.

Water quality protection standards may be modified by the Regional Board based on more recent and/or more complete groundwater monitoring data, changes in background water quality, or for any other valid reason. The monitoring points approved by the Executive Officer pursuant to Provision D.1. shall serve as the compliance points for purposes of these water quality protection standards.

D. Provisions

1. The Discharger shall develop a workplan acceptable to the Executive Officer that describes the locations and construction details of a groundwater (including exposed groundwater in Pit No. 1) monitoring network that will adequately detect any release to groundwater from this disposal site. This workplan must be submitted to the Executive

Officer within ninety (90) days after adoption of this Order, and must include the following:

- a. A map depicting the locations of the ground water monitoring wells and a rationale for their number and spatial distribution.
- b. Drawings and data depicting construction details of the proposed ground water monitoring network. These must include:
 - casing, borehole diameters and method of drilling;
 - casing materials to be used;
 - depth of each hole;
 - size, length, and position of screen;
 - nature and emplacement of filter pack and rationale for them;
 - depth, composition, and emplacement of seals; and
 - method and timetable for well development.

The Discharger shall establish a background water quality baseline, either with existing groundwater quality data, or using data obtained through the groundwater monitoring network required by this Order, prior to receiving any inert wastes other than native geological materials generated by URP's mining activities at the vicinity of the site.

2. The Discharger shall use the statistical procedures contained in CCR title 27, section 20415(e)(7), to determine if there is a statistically significant increase for any background indicator parameter. Upon approval of the Executive Officer, alternative statistical procedures may be used.
3. In the event that a statistically significant increase is observed for any background indicator parameter, the Discharger shall establish an evaluation program in accordance with CCR title 27, section 20415(e)(9), unless such a program has already been submitted.
4. If evaluation monitoring determines that there is a statistically significant increase in the water quality protection standard (background indicator parameters as listed in Section II.B. of Monitoring and Reporting Program No. 5801), then the Discharger shall institute a corrective action monitoring program in accordance with CCR title 27, section 20415(e)(10).
5. The Discharger shall take any and all necessary measures to prevent unauthorized disposal of wastes at this site by instituting a waste load-checking program. A waste load-checking program, including a QA/QC program proposed by the Discharger to ensure compliance, must be submitted to the Executive Officer for approval at least ninety (90) days before the facility can receive any inert wastes other than native geological materials generated by URP's mining activities at the vicinity of the site. As a minimum, the load-checking program shall include the following:

- a. A computer tracking system at the entrance of the landfill: The system shall determine and record whether the source of the material is residential or non-residential. If the material is non-residential, the source type, such as gas station, industrial, commercial, etc., must be evaluated by the Discharger's personnel. If it is determined that the material is not inert as defined in Finding No. 7 of this Order, it will be necessary to refuse the waste load or hold the truck for further information or chemical analysis. The computer tracking system shall issue a weighmaster ticket (in English and Spanish). The truck driver must sign the weighmaster ticket certifying that the waste load does not contain contaminant levels that are hazardous or represent a significant threat to groundwater.
 - b. Prior approval form: Prior to receiving any soil volume greater than 750 cubic yards from a single excavation project or for loads in excess of 750 cubic yards for a project that started out small and eventually exceeds the 750 cubic yards limit, a prior approval form must be filed by the hauler and landfill personnel. The hauler must supply information of the soil material such as the source (residential or non-residential), quantity, chemical content, and delivery date. The hauler must sign the form acknowledging that "*...the hauler stipulates that to the best of his or her knowledge hazardous levels of contaminants do not exist in the waste.*" Landfill personnel must approve the acceptance of the material and record the approval number, who from the landfill approved acceptance of the material, general and detailed information regarding the location within the landfill where the material will be placed, and the dates of placement.
 - c. Personnel training: Personnel at the gate and the dumping areas of the landfill must be trained to ensure the Discharger's compliance concerning acceptable and unacceptable materials as provided in this Order.
6. The Discharger shall provide an updated annual survey of all fill areas including boundaries, elevations, and keys to permanent monuments. The results shall be included in the annual report submitted to the Regional Board.
 7. The Discharger shall maintain copies of this Order and the waste load-checking program at the site so as to be available at all times to personnel operating the site.
 8. The Discharger shall file with this Regional Board a report of any material change or proposed change in the character, location, boundaries or quantity of this waste discharge at least 120 days prior to the date of such proposed change.
 9. Within thirty (30) days of any change in name of operator or in control or ownership of land or waste disposal facilities owned or controlled by the Discharger, the Discharger shall:
 - a. Notify this Regional Board in writing of such a change; and

- b. Notify the succeeding owner or operator by letter, a copy of which shall be filed with this Regional Board, of the existence of this Order.
10. Ninety (90) days prior to cessation of disposal operations at this site, the Discharger shall submit a technical report to the Regional Board describing the methods and controls to be used to assure protection of the quality of receiving waters during final operations and with any proposed subsequent use of the land. Such methods and controls shall comply with the foregoing technical report and the waste discharge requirements. The report shall be prepared under the direct supervision of a California registered geologist or engineer, or a California-certified engineering geologist.
11. This Regional Board considers the current property owner, URP, to have continuing responsibility for correcting any problems which may arise in the future, whether the site is then owned and operated by URP or not.
12. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraint on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.
13. In accordance with Water Code Section 13263(g), these requirements shall not create a vested right to continue to discharge. All discharges of waste into the waters of the State are privileges, not rights, and are subject to rescission or modification.
14. In accordance with Section 13267 of the California Water Code, the Discharger shall furnish, under penalty of perjury, technical monitoring program reports; such reports shall be submitted in accordance with specifications prepared by the Executive Officer, which specifications are subject to periodic revisions as may be warranted.
15. The Discharger shall comply with all conditions of this Order and any additional conditions prescribed by the Regional Board in addenda thereto. Noncompliance with this Order constitutes a violation of the California Water Code and is grounds for:
 - a. enforcement action;
 - b. termination, revocation and re-issuance, or modification of this Order;
 - c. denial of a ROWD in application for new or revised WDRs; or
 - d. any combination of the foregoing.
16. The California Water Code provides that any person who intentionally or negligently violates any WDRs issued, reissued, or amended by this Regional Board is subject to administrative civil liability of up to 10 dollars per gallon of waste discharged, or if no discharge occurs, up to \$1,000 per day of violation. The Superior Court may impose civil liability of up to \$10,000 per day of violation or, if a cleanup and abatement order has been issued, up to \$15,000 per day of violation.

17. This Order includes the attached “Standard Provisions Applicable to Waste Discharge Requirements” (Attachment “W”). If there is any conflict between provisions stated hereinbefore and the attached “Standard Provisions Applicable to Waste Discharge Requirements”, those provisions attached hereinbefore prevail.
18. In accordance with Section 13263 of the California Water Code, these requirements are subject to periodic review and revision by this Regional Board.

I, Dennis A. Dickerson, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region on December 13, 2001.

Dennis A. Dickerson
Executive Officer