

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

**ORDER NO. 01-054**

**WASTE DISCHARGE REQUIREMENTS  
For  
STOCKER RESOURCES, INC.  
(INGLEWOOD OIL FIELD LAND TREATMENT UNIT)**

**File No. 00-117**

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

1. Stocker Resources, Inc. (hereafter "Discharger") operates the active Inglewood Oil Field located in the Baldwin Hills (Latitude 34° 00' 16", Longitude 118° 22' 13") (Figure 1). Three Bioremediation land treatment units are located within the oil field and operated under General Waste Discharge Requirements (Order No. 90-148) issued in October 1999. This Order expired in October 2000.
2. Section 20250(b)(5) of Division 2, Title 27 of California Code of Regulations requires that Regional Boards shall specify in Waste Discharge Requirements, the elements of land treatment programs by dischargers who treat or dispose of wastes in land treatment waste management units. On August 21, 2000, the discharger submitted a Report of Waste Discharge (ROWD) to the Regional Board to apply for individual Waste Discharge Requirements for continued operation of the land treatment units. Addendum information was requested by Regional Board staff and was submitted on November 6, 2000, making the ROWD complete.
3. Three land treatment units exist at this site: Vickers (1.2 acres), LAI North (4.25 acres), and LAI South (1 acre). The bioremediation cells are underlain by a clay liner and are surrounded by 2-3 foot berms. Approximately 17,000 cubic yard of non-hazardous oil-contaminated soils from the abandonment of wells and routine oilfield operations are treated each year.
4. The petroleum hydrocarbon impacted soil is loaded into the land treatment units and spread to a thickness of approximately two feet. Dissolved nutrients (ammonia and phosphate fertilizers) are sprayed over the unit by a sprinkler system to enhance the degradation of the petroleum hydrocarbons. The soil is also disked several times per week to increase aeration. Based on past performance of the unit, soil treatment times typically do not exceed six months.
5. All drainage water from within the unit is collected and sent to an onsite treatment facility permitted to treat, store, and dispose of wastewater through the industrial sewer (Los Angeles County Department of Public Works Permit No. 10951).

March 19, 2001  
Revised April 26, 2001

6. The land treatment unit is located within the Baldwin Hills, which is comprised of nonwaterbearing rocks that straddle the West Coast and Central Groundwater Basins. Groundwater, when present, is limited to perched and semi-perched zones located within canyon alluvium, and weathered or fractured bedrock. Perched groundwater was encountered at approximately 50 feet below land surface, and had an average total dissolved solid concentration of 3,016 mg/l, and naturally-occurring concentrations of chloride and turbidity exceeding MCLs. The data indicates that the perched groundwater has not been impacted by petroleum hydrocarbons.
7. The Regional Board adopted a revised Water Quality Control Plan for the Los Angeles Region on June 13, 1994. The Plan contains beneficial uses and water quality objectives for groundwater in the West Coast and Central Basin Groundwater Basins. Beneficial uses of the groundwater in these Basins include municipal, agricultural, industrial service and process supply. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
8. These waste discharge requirements govern the continuing disposal of oily wastes in existing treatment units. The units constitute an existing facility, and the issuance of these requirements is therefore exempt from the provisions of the California Environmental Quality Act (Public Resource Code, Section 21100 et seq.) in accordance with Title 14, Chapter 3, Section 15301 of the California Code of Regulations.

The Regional Board has notified the discharger and interested agencies and persons of its intent to adopt waste discharge requirements for this discharge, and has provided them 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 Stocker Resources, Inc (hereafter "Discharger") shall comply with the following at the Inglewood Oil Field:

**A. Waste Discharge Requirements**

1. Waste materials to be disposed of at this site shall be limited to hydrocarbon contaminated oilfield wastes generated by the Discharger at the Inglewood Oil Field only, as proposed. No wastes from other generators or other sites shall be deposited at this site. No refined products, solvents, or materials of a toxic nature such as heavy metals, insecticides, poisons, or radioactive material, shall be deposited at the site.

2. Wastes materials disposed of at this site shall not exceed the following limits:

Total Petroleum Hydrocarbons (by EPA Method 8015M)

C <sub>4</sub> -C <sub>12</sub> Range:	1,000 mg/kg
C <sub>13</sub> -C <sub>22</sub> Range:	10,000 mg/kg
C <sub>23</sub> -C <sub>32</sub> Range:	50,000 mg/kg

3. The land treatment process, which includes the addition of water and nutrients to the soil, along with soil aeration in the treatment zone, shall be conducted in such a manner that no contaminants are released to surface waters or groundwater.
4. Disposal of wastes shall be within the confines of the site proposed, and wastes shall not be permitted to enter surface waters.
5. Odors of the waste origin shall not be perceivable beyond the limits of property controlled by the discharger.
6. The maximum depth of the treatment zone shall not exceed five feet from the initial soil surface.
7. No water shall be used at the site except for surface dust control or in the purpose of maintain optimum moisture content in the treatment units. Such water shall not be allowed to pond on the site.
8. During the land treatment operations, surface runoff from the drainage area tributary to this site shall be prevented from passing over or percolating through the treatment zone. Adequate facilities shall be provided to divert all surface runoff from storms away from the treatment area. Water falling on the treatment units shall be contained thereon, or sent to the onsite treatment facility.
9. The Discharger shall remove and relocate to a legal disposal site 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.
10. The discharge of wastes at this site shall meet the general criteria specified in Subsection 20320(a & d), with the precipitation and drainage controls specified Subsection 20365, and with the seismic design criteria in Subsection 20370, Title 27, California Code of Regulations. Final closure of the land treatment unit shall be in accordance with Subsection 21420, Title 27, California Code of Regulations.

11. No condition of pollution or nuisance shall be caused by the handling, treatment, storage, or disposal of these wastes.

**B. Provisions**

1. In accordance with Section 13260 of the Water Code, the Discharger shall file a report of any material change or proposed change in the character, location or volume of the discharge.
2. The Discharger shall notify this Board immediately by telephone of any adverse condition resulting from this discharge or from operations producing this waste discharge, such notifications to be affirmed in writing with in one week from the date of such occurrence.
3. In the event 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.
4. 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 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.
5. This Regional Board considers the property operator and owner to have continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge or water applied to this property during subsequent use of the land for other purposes.
6. This Order does not exempt the discharger from compliance with any other laws, regulations, or ordinances which may be applicable, it does not legalize these waste treatment and disposal facilities and it leaves unaffected any further restrains on those facilities which may be contained in other statues or required by other agencies.
7. This Order is not intended to stop or redirect any investigation or mitigation activities not required by this Order but ordered by this Regional Board or other agency.

8. This Order includes the attached "Standard Provisions Applicable to Waste Discharge Requirements" (Attachment I). If there is any conflict between provisions stated hereinbefore and the attached "Standard Provisions Applicable to Waste Discharge Requirements", those provisions attached hereinbefore prevail.
9. In accordance with Section 13263 of the California Water Code, these requirements are subject to periodic review and revision, if necessary, by this Regional Board under a ten-year review cycle.
10. In accordance with California 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.

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 April 26, 2001.

Dennis A. Dickerson  
Executive Officer

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