



California Regional Water Quality Control Board Los Angeles Region



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January 23, 2003

RPV ✓

Mr. Larry Lachner, Project Manager
Dynamo Constructor, Inc.
56 E. Duarte Road
Arcadia, CA 91006

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
CLAIM NO. 7002 2410 0006 3316 2087

CI 8521

Dear Mr. Lashner:

GENERAL WASTE DISCHARGE REQUIREMENTS FOR PRIVATE SUBSURFACE SEWAGE DISPOSAL SYSTEMS IN AREAS WHERE GROUNDWATER IS USED OR MAY BE USED FOR DOMESTIC PURPOSES – TRACT 37856, KINNELOA RIDGE DEVELOPMENT, KINCLAIRE DRIVE, PASADENA, CA 91117 (FILE NO. 02- 033)

We have completed our review of your application for Waste Discharge Requirements for the domestic wastewater that will be generated by the onsite septic disposal systems in Tract 37856.

Diamond Segundo, LLC. plans to develop Tract 37856 (approximately 118.5 acres) into 21 single-family homes which will discharge their domestic wastewater into individual septic disposal systems (seepage pits). After Tract 37856 is fully developed, the expected discharge volume is between 8400 gallons per day (gpd) and 5460 gpd of domestic wastes will be discharged to the sewage disposal systems. Tract 37856 is located on a ridge above Kinneloa Canyon. Kinneloa Ridge lies in the recharge area for the Pasadena sub-area of the Raymond Groundwater Basin. Based on results of boreholes drilled on the property, it appears that the depth to groundwater is greater than 113 feet below the ground surface.

Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in Order No. 91-94, "General Waste Discharge Requirements for Private Subsurface Sewage Disposal Systems in Areas Where Groundwater is Used or May Be Used for Domestic Purposes," adopted by this Regional Board on July 3, 1991.

91094

Enclosed are your Waste Discharge Requirements (WDRs), consisting of Order No. 91-94, Monitoring and Reporting Program No. CI-8521 and Standard Provisions-Applicable to Waste Discharge Requirements. These WDRs become effective upon receipt by the Regional Board of written confirmation for acceptance of responsibility by the Discharger. The Discharger is the entity or agency accepting permanent responsibility for the WDR and the Monitoring and Reporting Program for the subsurface sewage disposal system. A copy of Order No. 91-94 shall be made available at the time of closing to every homeowner purchasing a lot. A clear written statement from Diamond Segundo, LLC. shall be made to each purchaser, explaining that the purchaser is accepting responsibility for compliance with the terms of this General Permit and that the creation of a Homeowner Association is required to be the home purchaser's agent for the purpose of permit compliance. Please note that Diamond Segundo, LLC., the applicant, is

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For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Mr. Larry Lachner
Tract 37856

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responsible for compliance with the WDR and the Monitoring and Reporting Program until the time that a written agreement between the applicant and the future Discharger becomes effective.

The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of coverage under this permit. All monitoring reports should be sent to the Regional Board, ATTN: Information Technology Unit.

When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-8521", which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

We are sending copies of Order No. 91-94 and Standard Provisions-Applicable to Waste Discharge Requirements only to the applicant. A copy of the Order or Standard Provisions will be furnished to anyone who requests it.

If you have any additional questions, please contact Dr. Kwangil Lee at (213) 620-2269 or Ms. Toni Callaway at (213) 620-2271.

Sincerely,




Dennis A. Dickerson
Executive Officer

Enclosures

cc: Mr. Gordon Innes, Division of Water Quality, State Water Resources Control Board
Mr. Michael Lauffer, Office of Chief Counsel, State Water Resources Control Board
Mr. Robert Sams, Office of Chief Counsel, State Water Resources Control Board
Mr. Richard Wagener, Los Angeles County, Department of Health Services
Mr. Ricky Chang, Diamond Segundo, LLC.
Mr. Richard Stone, Coldwell Banker Previews
Mr. Bill Redcoy, General Manager, Kinneloa Irrigation District

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

**MONITORING AND REPORTING PROGRAM NO. CI-8521
FOR
DIAMOND SEGUNDO, LLC. – KINNELOA RIDGE HOMES (TRACT 37856)
ENROLLMENT UNDER REGIONAL BOARD ORDER NO. 91-94
SERIES NO. 032
(FILE NO. 02-033)**

I. REPORTING REQUIREMENTS

- A. Diamond Segundo, LLC., the Discharger, shall implement this monitoring program on the effective date of this enrollment (January 23, 2003) under Regional Board Order No. 91-94. The first monitoring report under this program is due by April 15, 2003.

Monitoring reports shall be received by the dates in the following schedule:

| <u>Reporting Period</u> | <u>Report Due</u> |
|-------------------------|-------------------|
| January – March | April 15 |
| April – June | July 15 |
| July – September | October 15 |
| October – December | January 15 |

- B. If there is no discharge, during any reporting period, the report shall so state. Monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit.
- C. By March 1 of each year, the Discharger shall submit an annual summary report to the Regional Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous calendar year. In addition, the Discharger shall discuss the compliance record and the corrective actions taken or planned, which may be needed to bring the discharge into full compliance with the waste discharge requirements.
- D. Laboratory analyses – all chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services Environmental Laboratory Accreditation Program (ELAP). A copy of the laboratory certification obtained from ELAP shall be provided upon request by Regional Board staff.
- E. The method limits (MLs) employed for effluent analyses shall be lower than the

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permit limits established for a given parameter, unless the Discharger can demonstrate that a particular ML is not attainable and obtains approval for a higher ML from the Executive Officer. The Discharger shall submit a list of the analytical methods employed for each test and the associated laboratory quality assurance and quality control (QA/QC) procedures upon request by Regional Board staff.

- F. Water/wastewater samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. All QA/QC samples must be run on the same dates when samples were actually analyzed, and the results must be reported on the Regional Board format, if available, and submitted with the laboratory reports.

Proper chain of custody procedures must be followed and a copy of the chain of custody shall be submitted with the report.

- G. Each monitoring report must affirm in writing that "All analyses were conducted at a laboratory certified for such analyses by the California Department of Health Services, and in accordance with current USEPA guideline procedures or as specified in this Monitoring Program."
- H. For every item where the requirements are not met, the Discharger shall submit a statement of the cause(s), and actions undertaken or proposed which will bring the discharge into full compliance with waste discharge requirements at the earliest possible time, including a timetable for implementation of those actions.
- I. The Discharger shall maintain all sampling and analytical results, including strip charts; date; exact place, and time of sampling; dates analyses were performed; analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge, or when requested by the Regional Board.
- J. In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with the requirements and, where applicable, shall include results of receiving water observations.
- K. Any mitigation/remedial activity including any pre-discharge treatment conducted at the site must be reported in the quarterly monitoring report.

II. SEPTIC TANK AND DISPOSAL SYSTEM MONITORING REQUIREMENTS

The quarterly reports shall contain the following information:

1. Average and maximum daily waste flow for Tract 37856 for each month of the quarter, in gallons per day.
2. Estimated population served during each month of the reporting period.
3. Results of at least quarterly observations in all the disposal areas for any over flow or surfacing of wastes.

In addition, the Discharger shall annually submit an operation and maintenance report on the septic systems. The information to be contained in the report shall include, at a minimum, the following:

1. The name and address of the person for the Discharger and later the Home Owners Association's official contact person and a list of homeowners responsible for the operation and maintenance of the septic disposal systems;
2. Type of maintenance (preventive or corrective action performed) on any of the septic disposal systems;
3. Frequency of maintenance, if preventive on the septic disposal systems;
4. Periodic pumping out of any septic tank; and
5. Maintenance records for each septic disposal system.

III. GROUNDWATER MONITORING PROGRAM

A groundwater monitoring program shall be designed to detect and evaluate impacts from wastewater discharges from the septic disposal systems. A groundwater monitoring plan must be submitted to this Regional Board within 30 days from the effective date of this Order and is subject to the Executive Officer's approval prior to implementation. The groundwater monitoring must be implemented in such a way as to fully assess the downgradient groundwater quality of primary aquifer beneath the site.

Boreholes indicate that groundwater is located at depths greater than 1259 feet (msl) or 113 feet below the surface of the ground (bsg) beneath the site. The underlying aquifer is penetrated by the Eucalyptus Tunnel, which is a water supply source owned by the local water district, the Kinneloa Irrigation District. The tunnel is approximately 375 feet in length and nearly horizontal, and it is located downgradient of the project. The Tunnel

trends obliquely along natural bedrock fractures located vertically 254 feet beneath the lowest tier of homesites in the new Kinneloa Ridge development.

The Discharger proposed that the Eucalyptus Tunnel be used to monitor groundwater quality, because it acts as a groundwater infiltration gallery, intersecting local groundwater at depth downgradient of the project site. The Discharger is working with the Kinneloa Water District to develop an agreement for a testing schedule which will meet the requirements of this Monitoring and Reporting Program CI-8521. The groundwater monitoring plan, with the finalized agreement between the Discharger and the Kinneloa Irrigation District which includes the sampling criteria, testing schedule, and a map the Eucalyptus Tunnel showing its' length and exact location with respect to Kinneloa Ridge Development, shall be submitted within 30 days of the issuance of the General wastewater Discharge Requirements (WDRs) Order No. 91-94, and this MRP CI - 8521.

Upon obtaining the Executive Officer's approval of an adequate groundwater monitoring plan, sampling shall commence within 60 days of approval. This groundwater monitoring schedule may be subject to revision after completion of the first year of baseline water quality monitoring.

The following shall constitute the groundwater monitoring program:

| <u>Constituent**</u> | <u>Units*</u> | <u>Type of Sample</u> | <u>Minimum Frequency of Analysis¹</u> |
|-------------------------------|---------------|-----------------------|--|
| Total coliform ² | MPN/100mL | grab | quarterly |
| Fecal coliform ² | MPN/100mL | grab | quarterly |
| Enterococcus ² | MPN/100mL | grab | quarterly |
| Ammonia-N ² | mg/L | grab | quarterly |
| Nitrate-N ² | mg/L | grab | quarterly |
| Nitrite-N ² | mg/L | grab | quarterly |
| Organic nitrogen ² | mg/L | grab | quarterly |
| Phosphorus ² | mg/L | grab | quarterly |
| Total dissolved solids | mg/L | grab | quarterly |
| Boron | mg/L | grab | quarterly |
| Chloride | mg/L | grab | quarterly |
| Sulfate | mg/L | grab | quarterly |

[1] If any constituent exceeds the baseline water quality data, then the frequency of analyses shall increase to monthly until at least three test results have been obtained. After which, if no more constituents exceed the base line, the which the frequency of analyses shall revert to quarterly.

- [2] These parameters are not currently included in the testing parameters for the Eucalyptus Tunnel, and must be added to the testing schedule if the Tunnel is used for groundwater monitoring.
- * MPN/100mL: Most Probable Number per milliliter; mg/L: milligram per liter
 - ** Samples for analysis of these constituents must be collected at the Tunnel prior to any treatment

All groundwater monitoring reports must include, at minimum, the following:

- a. Tunnel identification, date and time of sampling;
- b. Sampler identification, and laboratory identification;
- c. Groundwater contour map depicting the hydraulic gradient and direction of groundwater flow across the subject tract; and
- d. Vertical separation of groundwater levels to bottom of each septic disposal system (leach field and /or seepage pit).

IV. WASTE HAULING REPORTING

In the event that waste sludge, septage, or other wastes are hauled offsite, the name and address of the hauler shall be reported, along with types and quantities hauled during the reporting period and the location of final point of disposal. In the event that no wastes are hauled during the reporting period, a statement to that effect shall be submitted.

V. MONITORING FREQUENCIES

Specifications in this monitoring program are subject to periodic revisions. Monitoring requirements may be modified or revised by the executive Officer based on review of monitoring data submitted pursuant to this Order. Monitoring frequencies may be adjusted to a less frequent basis or parameter and locations dropped by the Executive officer if the Discharger makes a request and the request is backed by statistical trends of monitoring data submitted.

VI. CERTIFICATION STATEMENT

Each report shall contain the following completed declaration:

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated 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 a fine and imprisonment.

Executed on the ____ day of _____ at _____.

(Signature)

(Title)"

These records and reports are public documents and shall be made available for inspection during normal business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Ordered by: 

Dennis A. Dickerson
Executive Officer

Date: January 23, 2003