

Los Angeles Regional Water Quality Control Board

December 23, 2015

Ms. Pamela Willis  
AERA Energy, LLC  
Post Office Box 11164  
Bakersfield, CA 93389

**NOTICE OF APPLICABILITY, DISCHARGE OF DRILLING MUDS AND BORING WASTE -  
AERA, LLC, VENTURA OIL FIELD, VENTURA COUNTY (FILE NO. 15-096, ORDER 2003-  
0003-DWQ-027, CI-10189, GEOTRACKER GLOBAL ID. WDR100026449)**

Los Angeles Regional Water Quality Control Board (Regional Board) staff received a Notice of Intent (NOI), dated August 27, 2015, submitted by AERA Energy, LLC (Discharger). The NOI informed the Regional Board of the Discharger's intent to comply with terms of the *Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality* (Statewide General Order), and describes a discharge of boring wastes associated with the drilling of wells in the Ventura Oil Field, Ventura County, California. The NOI was received on August 28, 2015 and includes a Discharge Monitoring Plan (DMP) that meets applicable provisions of the Statewide General Order, along with an application fee of \$2088.

The NOI proposes that boring wastes, consisting of drilling mud and drill cuttings, will be collected in containers adjacent to each well or a group of wells being constructed. Drilling muds/liquids will be decanted from the boring wastes and the drill cuttings, consisting of pulverized bedrock/soils with adhered drilling mud, will be transferred to the Taylor Cuttings Farm (located at coordinates 34.321100, -119.315574) or the 108 Yard (located at coordinates 34.316417, -119.258110) in the Ventura Oil Field for drying. Drill cutting transferred to the yards will not exceed their moisture holding capacity (will not contain free liquids). Best management practices for stormwater control will be employed at the Taylor Cuttings Farm or 108 Yard, consisting of:

- Berming cuttings drying areas to prevent run-on and run-off;
- Collecting all stormwater from the cuttings drying areas; and
- Disposing of all stormwater through the existing wastewater treatment and injection system (Class II injection wells) at the oilfield.

Once dried, the boring wastes will be disposed of at, or beneficially re-used in areas of the Ventura Oil Field authorized by the property owner, the Wood-Claeysens Foundation.

Regional Board staff has reviewed the NOI and finds that the proposed waste discharge is eligible for coverage under the Statewide General Order and hereby issues this Notice of Applicability (NOA). This NOA is valid as of the date that it is signed, and will be in effect until it is terminated following the submission of the Notice of Termination, or until coverage is

terminated in accordance with Statewide General Order Standard Provision E.10, or until the Regional Board issues a General Order or Conditional Waiver Program that supersedes the Statewide General Order. The Discharger shall submit the required annual fee (by date specified in the annual billing issued by the State Water Board) until the NOA is no longer in effect. If the Regional Board determines that a site regulated under the Statewide General Order is, or may be, causing water quality impacts, additional measures may be imposed through a separate order issued by the Regional Board and/or the State Water Resources Control Board (State Water Board).

This NOA covers discharges of boring waste by the Discharger within the AERA, LLC, Ventura Oil Field, Ventura County and as described in the NOI. At least **14 days** prior to initiating any discharge to a new cuttings/mud disposal area, the Discharger shall submit a certification to the Regional Board that discharge to the new area will comply with all applicable provisions of the Statewide General Order and with Sections VII-XVI of the NOI. A single certification may reference several cuttings/mud disposal areas, as long as those cuttings/mud disposal areas are reasonably identifiable by discharge site address and discharge site latitude and longitude.

In accordance with Provision E.12 of the Statewide General Order, Discharger shall comply with Monitoring and Reporting Program CI-10189 (attached), the approved DMP, and any revisions as prescribed thereto by the Regional Board Executive Officer. The Discharger shall begin implementing this MRP following enrollment into the Statewide General Order.

If you have any questions regarding this NOA, please contact Dr. Enrique Casas, Project Manager, at (213) 620-2299 or at [Enrique.casas@waterboards.ca.gov](mailto:Enrique.casas@waterboards.ca.gov).

Sincerely,

  
Samuel Unger, P.E.  
Executive Officer

Enclosures: Monitoring and Reporting Program CI-10189  
Water Quality Order 2003-0003-DWQ  
Copy of Completed NOI Form with DMP

cc: Ms. Leslie Graves, State Water Resources Control Board, Land Disposal Program  
Mr. Genkel, Charles, Ventura County Environmental Health Division  
California Division of Oil and Gas and Geothermal Resources, Ventura  
Mr. Joseph Chrisman, The Hathaway Law Firm, Wood-Claeyssens Foundation

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

**MONITORING AND REPORTING PROGRAM NO. CI-10189  
FOR  
DISCHARGE OF DRILLING MUDS AND BORING WASTE  
AERA, LLC,**

**VENTURA OIL FIELD, VENTURA COUNTY, CALIFORNIA  
(FILE NO. 15-096)**

AERA, LLC (Discharger) shall implement this Monitoring and Reporting Program (MRP), No. CI-10189, at the Ventura Oil Field (Site) pursuant to Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality (referred to as Order hereafter).

- A. The Discharger shall submit monitoring reports to the Regional Board in an annual basis. The first monitoring report under this MRP is due on November 15, 2016.
- B. On an annual basis the Discharger shall sample drilling mud/cuttings from the Taylor Cuttings Farm and 108 Yard and test for the following constituents:

<u>Parameter</u>	<u>Units</u>	<u>Frequency</u>
Volatile Organic Compounds	µg/Kg	Annual
CA Title-22 Metals (CAM-17)	mg/Kg	Annual
Total Petroleum Hydrocarbons	mg/Kg	Annual

- C. Inspections - Throughout the duration of drilling mud/cuttings discharge operations, the Discharger shall conduct visual inspections at least monthly at the Taylor Cuttings Farm or 108 Yard to ensure that all bermed areas are properly maintained. Any damaged areas shall be repaired immediately. Records of such inspections shall be included in the annual reports submitted to the Regional Board.
- D. All sampling, sample preservation, and analysis, shall be performed in accordance with the latest editions of "Guidelines Establishing Test Procedure for Analysis of Pollutants," promulgated by the United States Environmental Protection Agency (U.S. EPA) and U.S. EPA SW-846 Methods (dated December 1996).
- E. All analyses shall be conducted at a laboratory certified for such analyses by the State Water Resources Control Board Division of Drinking Water, or approved by the Executive Officer.
- F. Written and verbal notice must be made to the Regional Board case manager a minimum of seven days in advance of the sampling event so that staff may participate, if they choose.
- G. The Discharger shall maintain all sampling and analytical results, including strip charts, date, exact location, and time of sampling, date analysis were performed, name of analyst, analytical techniques used, and results of all analysis. Such results shall be retained for a minimum of three years. This period of retention shall be extended during

December 23, 2015

the course of any unresolved litigation regarding this discharge or when requested by the Regional Board.

- H. When applicable, all reports shall contain the following minimum information:
1. Quantity of drilling mud/cuttings material discharged to the Taylor Cuttings Farm and 108 Yard during the reporting period;
  2. Analytical results from drilling mud/cuttings material sampling and any groundwater monitoring, if required;
  3. A statement certifying that storm water runoff was prevented from entering the discharge areas, other than rainfall directly on the land treatment units, and that no waste material was carried away from the discharge areas by stormwater runoff;
  4. Quantity of stormwater from the Taylor Cuttings Farm and 108 Yard disposed of through the Discharger's existing wastewater treatment and injection system, and
  5. Color photographs of the Taylor Cuttings Farm and 108 Yard operations taken during monthly inspections, required under Provision C, above.
- I. All technical reports prepared for submittal to the Regional Board shall be signed by a California registered Professional Engineer or Professional Geologist.
- J. For every item where requirements in the Order are not met, the Discharger shall submit a statement of the actions undertaken or proposed, together with a timetable, to bring the Discharger back into full compliance with the requirements at the earliest time.
- K. Reports submitted to the Regional Board shall be signed by:
1. In the case of a corporation, the principal executive officer of at least the level of vice president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;
  2. In the case of a partnership, a general partner;
  3. In the case of a sole proprietorship, the proprietor;
  4. In the case of a municipal, state or public facility, either a principal executive officer, ranking elected officer, or other duly authorized employee.
- L. Each report shall contain the following completed declaration:
- "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."
- M. Unless it is otherwise required by the Executive Officer, all reports required under this MRP shall be submitted to the State Water Resources Control Board (State Board) Geotracker database system, under Global ID **WDR100026449**, in the form of searchable Portable Document Format (PDF) files. In addition, any groundwater monitoring data shall also be submitted to Geotracker in Electronic Deliverable Format (EDF). Documents that cannot be conveniently reviewed in electronic format, such as

large maps or drawings, shall be submitted as hard copies to the Regional Board office as instructed by Regional Board staff.

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

Ordered by: Samuel Unger  
Samuel Unger, P.E.  
Executive Officer

Date: December 23, 2015

**STATE WATER RESOURCES CONTROL BOARD  
WATER QUALITY ORDER NO. 2003 – 0003 - DWQ**

**STATEWIDE GENERAL WASTE DISCHARGE  
REQUIREMENTS (WDRs) FOR DISCHARGES TO LAND WITH  
A LOW THREAT TO WATER QUALITY (GENERAL WDRs)**

The State Water Resources Control Board (SWRCB) finds that:

1. Section 13260(a) of the California Water Code (CWC) requires that any person discharging waste or proposing to discharge waste within any region, other than to a community sewer system, which could affect the quality of the waters of the State<sup>1</sup>, file a report of waste discharge (ROWD).
2. The discharges to land with a low threat to water quality listed in Table 1 are low volume discharges with minimal pollutant concentrations and are disposed of by similar means. These discharges are appropriately regulated under General WDRs.

**Table 1. Categories of Low Threat Discharges**

<b>CATEGORY</b>
<b>Wells/Boring Waste</b>
Well Development Discharge
Monitoring Well Purge Water Discharge
Boring Waste Discharge
<b>Clear Water Discharges</b>
Water Main/ Water Storage Tank/ Water Hydrant Flushing
Pipelines/Tank Hydrostatic Testing Discharge
Commercial and Public Swimming Pools
<b>Small Dewatering Projects</b>
Small /Temporary Dewatering Projects (such as excavations during construction)
<b>Miscellaneous</b>
Small Inert Solid Waste Disposal Operations
Cooling Discharge

See Attachment 1 to these General WDRs for discharge category definitions.

3. All WDRs must implement the Regional Water Quality Control Board (Regional Board) Water Quality Control Plan (Basin Plan) for the Region affected by the discharge. These General WDRs require Dischargers to comply with all applicable Basin Plan provisions, including any prohibitions and water quality objectives governing the discharge.

<sup>1</sup> “Waters of the State” as defined in CWC Section 13050(e)

4. These General WDRs establish minimum standards for the discharges listed in Table 1. The Discharger must comply with any more stringent standards in the applicable Basin Plan. In the event of a conflict between the provisions of these General WDRs and the applicable Basin Plan, the more stringent provision prevails.
5. The beneficial uses for the groundwaters of the State include, but are not limited to: municipal supply (MUN), industrial service supply (IND), industrial process supply (PROC), fresh water replenishment (FRESH), groundwater recharge (GWR), and agricultural supply (AGR).
6. The discharges listed in Table 1 have the lowest Threat to Water Quality (TTWQ) and Complexity, as defined in Section 2200, Title 23 of the California Code of Regulations (CCR). Discharges with the lowest TTWQ are those discharges of waste that could degrade water quality without violating water quality objectives or cause a minor impairment of designated beneficial uses. Low threat discharges that do not require any chemical, biological, or physical treatment have the lowest Complexity rating.
7. Dischargers seeking coverage under these General WDRs must file with the appropriate Regional Board: (a) a Notice of Intent (NOI) to comply with the terms and conditions of these General WDRs or a ROWD<sup>2</sup>, (b) the applicable first annual fee as required by Title 23, CCR, Section 2200, (c) a project map, (d) evidence of California Environmental Quality Act (CEQA) compliance, and (e) a discharger monitoring plan. Upon review by Regional Board staff, a determination will be made as to whether or not coverage under these General WDRs is appropriate. The Discharger will be notified by a letter from the Regional Board Executive Officer<sup>3</sup> when coverage under these General WDRs has begun.
8. Dischargers with low threat discharges listed in Table 1 currently covered by waivers or individual WDRs need not apply for coverage under these General WDRs unless requested to do so by the Regional Board.
9. Although a discharge may be eligible for coverage under these General WDRs, the Regional Board may elect to regulate the discharge under other WDRs or a conditional waiver. If the Regional Board has established WDRs or a conditional waiver, these General WDRs are not applicable.
10. The following discharge categories from Table 1 are exempt from SWRCB promulgated Title 27 requirements: Wells/Boring Waste Discharges, Clear Water Discharges, Small Dewatering Projects, and Cooling Discharges (Section 20090).

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<sup>2</sup> If a ROWD is submitted instead of an NOI, the discharger must complete Sections VII-XV and XVII of the NOI (Attachment 3) and submit them to the Regional Board.

<sup>3</sup> Regional Board Executive Officer or designee.

11. Title 27, Section 20230 of CCR exempts dischargers of inert solid wastes from the requirement to discharge at classified solid waste sites. Section 20230 also gives Regional Boards the option to assign individual or general WDRs for inert solid waste discharges.
12. Discharges to lands that have been listed as hazardous materials sites, pursuant to Government Code Section 65962.5, are not eligible for coverage under these General WDRs. Discharges that will significantly physically divide an established community, significantly conflict with any applicable land use plan/policy/regulation of an agency with jurisdiction over the project, or significantly conflict with any applicable habitat/community conservation plan are not eligible for coverage under these General WDRs.
13. Discharges that could have a significant impact on Biological Resources<sup>4</sup>, Cultural Resources<sup>5</sup>, Aesthetics<sup>6</sup>, Air Quality<sup>7</sup> or that could significantly alter the existing drainage pattern of the discharge site or surrounding area are not eligible for coverage under these General WDRs.
14. Small inert waste disposal operations and small temporary dewatering operations located on unstable geologic units/soils or expansive soils are not eligible for coverage under these General WDRs. Small inert waste disposal operations and small temporary dewatering operations that could significantly conflict with existing zoning for agriculture use or a Williamson Act contract are not eligible for coverage under these General WDRs.
15. Small inert waste disposal operations that are within the boundaries of a comprehensive airport land use plan or, if a comprehensive airport land use plan has not been adopted, within two nautical miles of a public airport or public use airport are not eligible for coverage under these General WDRs.
16. A Negative Declaration in compliance with CEQA has been adopted for these General WDRs. The environmental impacts from new discharges authorized by these General WDRs have been found to be less than significant.
17. Potential Dischargers and all other known interested parties have been notified of the intent to prescribe WDRs as described in these General WDRs.
18. All comments pertaining to the proposed discharges have been heard and considered in a public meeting.

IT IS HEREBY ORDERED, that the Discharger, in order to meet the provisions contained in Division 7 of CWC and regulations adopted thereunder, shall comply with the following:

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<sup>4</sup> As defined by the CEQA, Environmental Checklist Form, Title 14, California Code of Regulation, Appendix G, Section IV.

<sup>5</sup> As defined by the CEQA, Environmental Checklist Form, Title 14, California Code of Regulation, Appendix G, Section V.

<sup>6</sup> As defined by the CEQA, Environmental Checklist Form, Title 14, California Code of Regulation, Appendix G, Section I.

<sup>7</sup> As defined by the CEQA, Environmental Checklist Form, Title 14, California Code of Regulation, Appendix G, Section III

**A. PROHIBITIONS:**

1. The discharge of any waste to surface waters is prohibited.
2. The disposal of wastes shall not cause pollution, contamination, or nuisance as defined in CWC Section 13050.
3. Discharge of wastes to lands not owned or controlled by the discharger is prohibited, unless the discharger has a written lease or an agreement with the owner.
4. The discharge of waste classified as “hazardous” or “designated” as defined in Title 22 CCR, Section 66261 and CWC Section 13173, is prohibited.
5. The discharge of waste shall not cause, wholly or in combination with any other discharge(s), the applicable Regional Board’s Basin Plan objectives for ground or surface waters to be exceeded.
6. The discharge of waste causing the spread of groundwater contamination is prohibited.
7. The discharge of water main, water storage tank, water hydrant pipeline flushing, or hydrostatic testing water from tanks or pipelines that have been used to store or convey any medium other than potable water is prohibited, unless the Discharger has demonstrated to the Regional Board that all residual pollutant concentrations have been reduced to levels below Regional Board Basin Plan groundwater quality objectives.
8. The discharge of wastes at Small Inert Solid Waste Disposal Operations that are not listed in Attachment 2 to these General WDRs or approved by the Regional Board is prohibited.

**B. DISCHARGE SPECIFICATIONS:**

Table 1 discharges, except monitoring well purge water and boring waste dischargers, shall not contain concentrations of pollutants in excess of the Basin Plan ground water quality objectives. Dischargers of boring waste shall not threaten an exceedance of applicable Basin Plan ground water quality objectives.

**C. PROVISIONS:**

1. The following provisions apply to Small Inert Solid Waste Operations:
  - a. Inert solid waste facilities shall only accept inert solid wastes that are listed in Attachment 2 to these General WDRs or that are approved by the Regional Board.

- b. Access to the facility shall be limited to ensure that all types of inert solid wastes accepted at the site are in compliance with these General WDRs.
    - c. Inert solid waste facilities shall develop and implement a load checking program to ensure that all the types of waste accepted at the site are in compliance with these General WDRs.
  2. Discharges of boring waste, drilling mud, and cuttings from well-drilling operations shall be discharged to on-site sumps and shall not contain halogenated solvents. At the end of drilling operations, the Discharger shall either:
    - a. Remove all wastes from the sump; or
    - b. Remove all free liquid from the sump and cover residual solid and semi-solid wastes, provided that representative sampling of the sump contents after liquid removal shows residual solid wastes to be nonhazardous. Residual wastes shall be disposed at the proper Title 27, CCR classified waste disposal facility or onsite. Residual wastes discharged onsite shall meet the following requirements: (1) the discharge must be located greater than 5 feet above local groundwater level, (2) the discharge must be covered by a minimum of 1 foot of clean soil, and (3) the discharge must be located at least 100 feet from the nearest surface water. If the sump has appropriate containment features, it may be reused.
  3. Monitoring well purge water shall be discharged at the monitoring well facility<sup>8</sup> and shall not degrade underlying groundwater. Monitoring well purge water shall not be discharged in a manner causing ponding or threatening a discharge to surface waters.
  4. A minimum freeboard of two feet shall be maintained at all wastewater disposal ponds and wastewater storage ponds.
  5. All storage and disposal facilities shall be protected against erosion, overland runoff, and other impacts resulting from storm events.
  6. Dischargers applying for coverage under these General WDRs shall submit with their NOI a discharge monitoring plan (DMP). The DMP shall include the following information:
    - a. All pollutants believed to be present in the discharge
    - b. Approximate concentration of pollutants in the discharge
    - c. Monitoring locations
    - d. Monitoring frequencies

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<sup>8</sup> A facility where monitoring well(s) have been installed to monitor the migration or levels of a pollutant or the effects and/or migration of a particular discharge.

- e. Report schedule (dates that reports will be submitted to the Regional Board).

Material Safety Data Sheets (MSDS) and additional laboratory analysis may be required by the Regional Board to evaluate the discharge and approve the DMP.

The DMP will be subject to Regional Board Executive Officer<sup>9</sup> approval. The discharge may not be initiated until the Regional Board Executive Officer approves the DMP and sends notification of this approval by letter.

7. Dischargers of well development water, boring waste, and clear water discharges shall provide written notice to the Regional Board before initiating any discharge to a new site. Dischargers shall certify that the new discharge site is in compliance with these General WDRs and the requirements established by Sections VII-XVI of Attachment 3 (NOI). All other dischargers covered under these General WDRs are prohibited from discharging to sites not described in their NOI or ROWD.
8. Discharges of liquids derived from the purging, development, or sampling of groundwater from monitoring wells shall not contain nonaqueous phase liquids (i.e., concentrations of pollutants above the solubility limits).

#### **D. APPLICATION:**

1. Discharges described in the Findings are eligible for coverage under these General WDRs provided that the discharger submits to the appropriate Regional Board<sup>10</sup> the following:
  - a. An NOI to comply with these General WDRs (Attachment 3 to these General WDRs) or an ROWD<sup>11</sup>.
  - b. A project map.
  - c. Evidence of compliance with CEQA, if any other public agency has required the project to comply with CEQA.
  - d. A first annual fee as described in Finding No. 6.
  - e. A DMP, as described in Provision C.6.
  - f. Any other additional information requested by the Regional Board to evaluate the discharge.

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<sup>9</sup> Regional Board Executive Officer or designee.

<sup>10</sup> Appropriate Regional Board is the Regional Board that regulates discharges of pollutants to waters of the State for the area that the proposed discharge will occur.

<sup>11</sup> If an ROWD is submitted instead of an NOI, the discharger must complete Sections VII-XV and XVII of the NOI (Attachment 3) and submit them to the Regional Board.

#### **E. STANDARD PROVISIONS:**

1. A copy of these General WDRs shall be kept at the discharge facility for reference by operating personnel. Key operating and site management personnel shall be familiar with its contents.
2. The Discharger shall develop a discharge management plan incorporating contingency measures, should sampling results show violation of water quality standards. In no case shall the discharge continue to impair beneficial uses or violate water quality standards or cause a possible nuisance condition.
3. The Discharger shall take all reasonable steps to prevent any discharge in violation of these General WDRs.
4. The Discharger shall properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) at all times to assure compliance with these General WDRs. Proper operation and maintenance also include adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems when necessary to assure compliance with the conditions of these General WDRs.
5. Prior to any modifications in the Discharger's facility, that would result in a material change in the quality or quantity of waste discharged or any material change in the location of the discharge, the Discharger shall report in writing to the appropriate Regional Board all pertinent information and obtain confirmation from the Regional Board that such modifications do not disqualify the Discharger from coverage under these General WDRs. Confirmation or new WDRs shall be obtained before any modifications are implemented.
6. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of these General WDRs by letter, a copy of which shall be immediately forwarded to the appropriate Regional Board office. The discharger shall also submit a Notice of Termination (Attachment No. 4 to these General WDRs) to the appropriate Regional Board.
7. These General WDRs do not convey any property rights or exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, do not protect the Discharger from liability under federal, State, or local laws, and do not create a vested right to continue to discharge wastes.
8. These General WDRs do not relieve the Discharger from the responsibility to obtain other necessary local, State, and federal permits to construct facilities necessary for compliance with these General WDRs, nor do these General WDRs prevent imposition of additional standards, requirements, or conditions by any other regulatory agency.

9. The Discharger shall allow the Regional Board or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to do the following:
  - a. Enter upon the Discharger's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of these General WDRs,
  - b. Access and copy, at reasonable times, any records that must be kept under the conditions of these General WDRs;
  - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under these General WDRs; and
  - d. Sample or monitor, at reasonable times, for the purposes of assuring compliance with these General WDRs or as otherwise authorized by the CWC any substances or parameters at any location.
10. After notice and opportunity for a hearing, coverage of an individual discharge under these General WDRs may be terminated or modified for cause, including but not limited to, the following:
  - a. Violation of any term or condition of these General WDRs;
  - b. In obtaining these General WDRs, misrepresentation or failure to disclose all relevant facts; and
  - c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
11. The filing of a request by the Discharger for an Order to modify, revoke and reissue, or terminate the filing of or a notice of planned changes or anticipated noncompliance does not stay any condition of these General WDRs.
12. The Discharger shall comply with Monitoring and Reporting Program for Water Quality Order No. 2003-0003-DWQ, the approved DMP, and any revisions as prescribed thereto by the Regional Board Executive Officer.
13. Where the Discharger becomes aware that it failed to submit any relevant facts in a ROWD/NOI or submitted incorrect information in an ROWD/NOI or in any report to the Regional Board, it shall promptly submit the required facts or information.
14. The Discharger shall furnish, within a reasonable time, any information the Regional Board or SWRCB may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the Discharger's coverage under these General WDRs. The Discharger shall also furnish to the Regional Board or SWRCB, upon request, copies of records required to be kept by these General WDRs.

15. The CWC provides that any person failing or refusing to furnish technical or monitoring program reports, as required under these General WDRs, or falsifying any information provided in the monitoring reports is subject to civil liability for each day of violation.
16. The Discharger shall take all necessary steps to minimize or correct any adverse impact on the environment resulting from noncompliance with these General WDRs, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.
17. All reports, NOI, other documents required by these General WDRs, and other information requested by the Regional Board shall be signed by a person described below or by a duly authorized representative of that person.
  - a. For a corporation: by a responsible corporate officer such as (1) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function; (2) any other person who performs similar policy or decision-making functions for the corporation; or (3) the manager of one or more manufacturing, production, or operating facilities if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
  - b. For a partnership or sole proprietorship: by a general partner or the proprietor.
  - c. For a municipality, State, federal, or other public agency: by either a principal executive officer or ranking elected official.
18. Any person signing a document under Provision E.17 makes the following certification, whether written or implied:

"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 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 there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
19. The Discharger shall immediately report any noncompliance potentially endangering public health or the environment. Any information shall be provided orally to the Regional Board within 24 hours of the time the Discharger becomes aware of the occurrence. A written report shall also be submitted to the Regional Board Executive Officer within five (5) calendar days of the time the Discharger becomes aware of the occurrence. The written report shall contain (a) a description of the noncompliance and its cause; (b) the period of the noncompliance event, including dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and (c) steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

20. The Discharger shall report all instances of noncompliance not reported under Provision No. E.19 at the time monitoring reports are submitted. The reports shall contain any applicable information listed in Provision No. E.19.
21. The Discharger shall give notice to the Regional Board as soon as possible of any planned alterations to the permitted facility that may change the nature or concentration of pollutants in the discharge.
22. The Discharger shall comply with all of the conditions of these General WDRs. Any noncompliance with these General WDRs constitutes a violation of the CWC and is grounds for an enforcement action.

#### CERTIFICATION

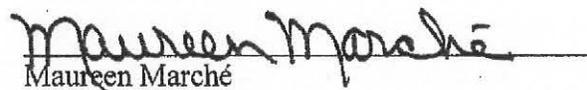
The undersigned, Clerk to the Board, does hereby certify that the foregoing is a full, true, and correct copy of an order duly and regularly adopted at a meeting of the State Water Resources Control Board held on April 30, 2003.

AYE: Arthur G. Baggett, Jr.  
Peter S. Silva  
Richard Katz  
Gary M. Carlton

NO: None

ABSENT: None

ABSTAIN: None

  
Maureen Marché  
Clerk to the Board

### DISCHARGE CATEGORY DEFINITIONS

1. Well Development Discharge is any discharge of water to land during the development of a water well.
2. Monitoring Well Purge Water Discharge is any discharge of well water to land in the immediate vicinity of the monitoring well site during monitoring well sampling.
3. Boring Waste Discharge is any discharge of drilling mud and cuttings from well-drilling operations or any other borings in uncontaminated soils.
4. Water main, storage tank, and hydrant flushing discharges are discharges of potable or untreated clear water to land from water line and tank flushing operations.
5. Pipeline and Tank Hydrostatic Testing Discharges are discharges of potable or untreated clear water to land from hydrostatic testing of pipelines and tanks.
6. Commercial and Public Swimming Pool Discharges are discharges of swimming pool water to land.
7. Small Temporary Dewatering Projects are projects that discharge groundwater to land from small construction projects, excavation projects, or dewatering of underground utility vaults.
8. Small Inert Solid Waste Disposal Operations are operations or facilities, covering two acres of land or less, that accept wastes, which do not contain hazardous waste or soluble pollutants at concentrations in excess of applicable water quality objectives and do not contain significant quantities of decomposable waste.
9. Cooling Discharge is non-contact cooling water discharge, air conditioner condensate discharge, discharge from evaporators, and discharge from heat exchangers.

**INERT SOLID WASTES LIST**

1. Inert mining wastes, including native geological materials generated during aggregate mining activities at or in the vicinity of the site
2. Uncontaminated soil, inert rock, and gravel
3. Broken concrete
4. Bricks
5. Glass and ceramics not containing lead
6. Inert plastics
7. Broken asphalt paving fragments (asphalt shall not be discharged to standing water nor shall it be placed below the highest anticipated groundwater elevation)

**State of California  
State Water Resources Control Board**

**NOTICE OF INTENT  
TO COMPLY WITH THE TERMS OF WATER QUALITY ORDER NO. 2003-0003-DWQ  
STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS (WDRs)  
FOR DISCHARGES TO LAND WITH A LOW THREAT TO WATER QUALITY**

Mark Only One Item	1. <input type="checkbox"/> New Discharge 2. <input type="checkbox"/> Change of Information-WDID # _____
--------------------	---

I. Property Owner

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

II. Facility Owner

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

III. Billing Address

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

STATE USE ONLY

WDID: □□□□□□□□□□	Regional Board Office: □□	Date NOI Received: _____	
			Check #: _____

IV. Site Operator

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

V. Site Location

Street (including address, if any)	
Nearest Cross Street(s)	
County:	Total Size of Site (acres):
Township/Range/Section B&M T _____, R _____, Section _____,	
Latitude/Longitude (From Center): _____ Deg. _____ Min. _____ Sec. N. _____ Deg. _____ Min. _____ Sec. W	
Attach a map of at least 1:24000 (1" = 2000") showing the proposed application site (e.g., USGS 7.5" topographic map).	

VI. Discharge Information

Subject	Notes
Low Threat Discharge Category:	See Table 1 of General Order 2003-0003-DWQ
Description of Operations:	
Approximate Volume of Discharge (for liquid discharges), or Flowrate: <input type="checkbox"/> Intermittent Discharge <input type="checkbox"/> Continuous Discharge.	Gal/day, gal
Pollutants/Constituents Present in the Discharge and their Approximate Concentration*:	Mg/L
Land Use Zone:	
Adjacent Land Use Zones:	

Attach additional pages to characterize the discharge if necessary.

VII. Does the proposed discharge have the potential to adversely impact a scenic vista, substantially damage scenic resources within a state scenic highway, or substantially degrade the existing visual character/quality of the discharge site/surroundings?

YES     NO

VIII. Would the proposed discharge conflict with existing zoning for agricultural use or a Williamson Act contract?

YES     NO

IX. Does the proposed discharge have the potential to significantly impact an applicable air quality plan, significantly violate any air quality standard or contribute to an existing violation, result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard, or significantly expose sensitive receptors to substantial pollutant concentrations?

YES     NO

X. Do any locations within the proposed discharge site contain biologically unique or sensitive natural communities?

YES     NO

XI. Does the discharge have the potential to cause a substantial adverse change in the significance of a historical or archeological resource (CCR Section 15064.5), directly or indirectly destroy a unique paleontological resource or site or unique geologic feature, or disturb any human remains?

YES     NO

XII. Is the proposed discharge site located on unstable geologic units/soils or expansive soils?

YES     NO

XIII. Is the proposed discharge site located on a hazardous materials site, as defined by Government Code Section 65962.5?

YES     NO

XIV. Does the proposed discharge have the potential to substantially alter the existing drainage pattern of the discharge site?

YES     NO

XV. Does the proposed discharge have the potential to significantly physically divide an established community, significantly conflict with any applicable land use plan/policy/regulation of an agency with jurisdiction over the project, or conflict with any applicable habitat/community conservation plan?

YES     NO

XVI. California Environmental Quality Act (CEQA) (If any other public agency has required the project to comply with CEQA, dischargers must submit evidence of CEQA compliance to be eligible for coverage under these General WDRs).

a. Name of Lead Agency: \_\_\_\_\_

b. Has a public agency determined that the proposed project is exempt from CEQA?

YES     NO

Basis for Exemption/Agency: \_\_\_\_\_

c. Has a "Notice of Determination" been filed under CEQA?

YES     NO

If yes, enclose a copy of the CEQA document, Environmental Impact Report (EIR), or Negative Declaration. If no, identify the expected type of CEQA document and expected date of completion.

d. EIR Negative Declaration expected CEQA completion date: \_\_\_\_\_

e. Expected CEQA documents: \_\_\_\_\_

Please submit the following with the Notice of Intent to the appropriate Regional Water Quality Control Board:

- a. Project map
- b. Evidence of compliance with the CEQA, if any other public agency has required the project to comply with CEQA
- c. First annual fee as described in Finding No. 6
- d. A DMP, as described in Provision C.6

XVII. CERTIFICATION

<p>"I certify under penalty of law that this document and all attachments were prepared under my direction and 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. In addition, I certify that the provisions of the General WDRs, including the criteria for eligibility, will be complied with."</p>	
Signature of Owner/Operator	Title
Printed or Typed Name	Date
Signature of Property Owner	Title
Printed or Typed Name	Date
Signature of Site Operator/Manager	Title
Printed or Typed Name	Date

State Water Resources Control Board

**NOTICE OF TERMINATION  
TO COMPLY WITH THE TERMS OF WATER QUALITY ORDER NO. 2003-0003-DWQ  
STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS  
FOR DISCHARGES TO LAND WITH A LOW THREAT TO WATER QUALITY**

WDID # _____
--------------

I. Property Owner

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

II. Facility Owner

Name				
Mailing Address				
City	County	State	Zip	Phone
Contact Person				

III. Site Location

Street (including address, if any)
Nearest Cross Street(s)
County:

IV. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction and 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."	
Signature of Facility Owner	Title
Printed or Typed Name	Date
Signature of Property Owner	Title
Printed or Typed Name	Date

STATE USE ONLY

WDID: □□□□□□□□□□	Regional Board Office: □□	Date NOT Received: _____	Date NOT Processed: _____
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**STATE WATER RESOURCES CONTROL BOARD**  
**MONITORING AND REPORTING PROGRAM FOR**  
**WATER QUALITY ORDER NO. 2003-0003-DWQ**  
**STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS FOR**  
**DISCHARGES TO LAND WITH A LOW THREAT TO WATER QUALITY**

**A. MONITORING PROVISIONS:**

1. Unless otherwise approved by the appropriate Regional Water Quality Control Board (Regional Board) Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the California Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants," promulgated by the U.S. Environmental Protection Agency (USEPA).
2. If the Discharger monitors any constituent more frequently than required by the General WDRs, the monitoring results shall be submitted.
3. The Discharger shall retain records of all monitoring information including all calibration and maintenance records, copies of all reports required by these General WDRs, and records of all data used to complete the application for these General WDRs. Records shall be maintained for a minimum of three years from the date of the sample, measurement, or report. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the appropriate Regional Board Executive Officer.
4. Records of monitoring information shall include the following:
  - a. The date, exact place, and time of sampling or measurements,
  - b. The individual(s) who performed the sampling or measurements,
  - c. The date(s) analyses were performed,
  - d. The individual(s) who performed the analyses,
  - e. The analytical techniques or method used, and
  - f. The results of such analyses.
5. All monitoring instruments and devices that are used by the Discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy.

**B. DISCHARGE MONITORING:**

1. Wells/boring waste and clear water dischargers shall submit the following information before initiation of discharge at a new site: (a) discharge site address and (b) discharge site latitude and longitude (if known).
2. Monitoring requirements for each discharge category are listed in Table 2. This monitoring program may be modified by the Regional Board Executive Officer.

**Table 2. Monitoring Requirements Specific for each Discharge Category**

CATEGORY	CONSTITUENTS	FREQUENCY
<b>Wells/Boring Waste</b>		
Water Well Development Discharge		
Monitoring Well Purge Water Discharge	Constituents that the monitoring well is used to monitor	Consistent with the frequency of groundwater monitoring
Boring Waste Discharge		
<b>Clear Water Discharges</b>		
Water Main/Water Storage Tank/Water Hydrant Flushing	Approximate volume (gal) at each discharge location and date of each discharge	Semiannually
Pipelines/Tank Hydrostatic Testing Discharge	Approximate volume (gal) at each discharge location and date of each discharge	Semiannually
Commercial and Public Swimming Pools		
<b>Small Dewatering Projects</b>		
Small /Temporary Dewatering Projects (such as excavations during construction)		
<b>Miscellaneous</b>		
Small Inert Solid Waste Disposal Operations	Approximate yd. <sup>3</sup> /day accepted by the site	Semiannually
Evaporative Cooling Water		

**C. REPORT SCHEDULE:**

Monitoring reports shall be submitted to the Regional Board Executive Officer in accordance with the following schedule:

<u>Reporting Frequency</u>	<u>Report Period</u>	<u>Report Due</u>
Quarterly	January-March	May 15
	April-June	August 15
	July-September	November 15
	October-December	February 15
Semiannually	January-June	August 15
	July-December	February 15



VIA OVERNIGHT DELIVERY

August 27, 2015

Mr. Enrique Casas  
California Regional Water Control Board  
Los Angeles Region  
320 West Fourth Street, Suite 200  
Los Angeles, CA 90013

2015 AUG 28 PM 12: 15  
CALIFORNIA REGIONAL WATER  
QUALITY CONTROL BOARD  
LOS ANGELES REGION

SUBJECT: NOTICE OF INTENT – WQ ORDER #2003-0003-DWQ – BORING WASTES  
VENTURA OILFIELD

Dear Mr. Casas:

As requested, attached please find a notice of intent to comply with the terms of the subject order regarding discharges of oil and gas drilling wastes at the Taylor Cuttings Farm and 108 Yard in the Ventura Oil Field operated by Aera Energy LLC (Aera). After they are dried and mixed with native soil, we are also requesting permission to beneficially re-use the cuttings for fill placements around the field, as directed in the original waiver of Waste Discharge Requirements issued by the Board. On an annual basis, Aera will provide analytical results from a sample from the Taylor Cuttings Farm and a map of where we have beneficially used the cuttings.

Until we receive permission from the surface owner of much of the eastern portion of the field, which we are currently pursuing, beneficial re-use of the cuttings will be restricted to the Taylor Ranch (west of Ventura Avenue, where we have already received permission from the landowner) and Aera's fee properties to the east of Ventura Avenue. Once we receive permission to use the cuttings on additional properties we will provide you documentation requesting to expand the scope of the beneficial re-use areas.

Please call me at (661) 665-5449 if you have any questions regarding this correspondence or the attachments.

Sincerely,

Pamela Willis  
Environmental Specialist

Attachment(s)

ATTACHMENT 3  
 TO WQ ORDER  
 NO. 2003-0003-DWQ

2015 AUG 28 PM 12:15  
 CALIFORNIA REGIONAL WATER  
 QUALITY CONTROL BOARD  
 LOS ANGELES REGION

State of California  
 State Water Resources Control Board

NOTICE OF INTENT  
 TO COMPLY WITH THE TERMS OF WATER QUALITY ORDER NO. 2003-0003-DWQ  
 STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS (WDRs)  
 FOR DISCHARGES TO LAND WITH A LOW THREAT TO WATER QUALITY

Mark Only One Item	1. <input type="checkbox"/> New Discharge
	2. <input type="checkbox"/> Change of Information-WDID # _____

I. Property Owner

Name The Wood-Claeyssens Foundation - Taylor Cuttings Farm				
Mailing Address P.O. Box 30586				
City Santa Barbara	County Santa Barbara	State CA	Zip 93130-0586	Phone (805) 966-0543
Contact Person Mr. Pierre Claeysens				

II. Facility Owner

Name Aera Energy LLC				
Mailing Address P.O. Box 11164				
City Bakersfield	County Kern	State CA	Zip 93389	Phone (661) 665-5449
Contact Person Pamela Willis				

III. Billing Address

Name Aera Energy LLC				
Mailing Address P.O. Box 11164				
City Bakersfield	County Kern	State CA	Zip 93389	Phone (661) 665-5449
Contact Person				

STATE USE ONLY

WDID: □□□□□□□□□□	Regional Board Office: □□	Date NOI Received: _____	
[REDACTED]			Check #: _____

IV. Site Operator

Name Aera Energy LLC				
Mailing Address P.O. Box 11164				
City Bakersfield	County Kern	State CA	Zip 93389	Phone (661) 665-5449
Contact Person Pamela Willis				

V. Site Location

Street (including address, if any) 600 Shell Road, Ventura, CA 93001	
Nearest Cross Street(s) Ridge Road and Twenty Canyon Road	
County: Ventura	Total Size of Site (acres): 8.75
Township/Range/Section B&M T <u>3N</u> , R <u>23W</u> , Section <u>20</u>	
Latitude/Longitude (From Center): 119 <u>119</u> Deg. <u>18</u> Min. <u>25.5661</u> Sec. W <u>34</u> Deg. <u>19</u> Min. <u>36.3109</u> Sec N.	
Attach a map of at least 1:24000 (1" = 2000") showing the proposed application site (e.g., USGS 7.5" topographic map).	

VI. Discharge Information

Subject	Notes
Low Threat Discharge Category: <b>Boring Waste Discharge</b>	See Table 1 of General Order 2003-0003-DWQ
Description of Operations:  Drilling of oil and gas or injection wells within the administrative boundary of the lease.	
Approximate Volume of Discharge (for liquid discharges), or Flowrate: <input checked="" type="checkbox"/> Intermittent Discharge <input type="checkbox"/> Continuous Discharge	Gal/day, gal Approximately 370 cubic yards per well of cuttings
Pollutants/Constituents Present in the Discharge and their Approximate Concentration*:  Drilling cuttings and drilling mud (see attached drilling mud and description and MSDS sheets).	Mg/L See attached
Land Use Zone: AE (Ag Existing)	
Adjacent Land Use Zones: Open Space	

Attach additional pages to characterize the discharge if necessary.

- VII. Does the proposed discharge have the potential to adversely impact a scenic vista, substantially damage scenic resources within a state scenic highway, or substantially degrade the existing visual character/quality of the discharge site/surroundings?  
 YES     NO
- VIII. Would the proposed discharge conflict with existing zoning for agricultural use or a Williamson Act contract?  
 YES     NO
- IX. Does the proposed discharge have the potential to significantly impact an applicable air quality plan, significantly violate any air quality standard or contribute to an existing violation, result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard, or significantly expose sensitive receptors to substantial pollutant concentrations?  
 YES     NO
- X. Do any locations within the proposed discharge site contain biologically unique or sensitive natural communities?  
 YES     NO
- XI. Does the discharge have the potential to cause a substantial adverse change in the significance of a historical or archeological resource (CCR Section 15064.5), directly or indirectly destroy a unique paleontological resource or site or unique geologic feature, or disturb any human remains?  
 YES     NO
- XII. Is the proposed discharge site located on unstable geologic units/soils or expansive soils?  
 YES     NO
- XIII. Is the proposed discharge site located on a hazardous materials site, as defined by Government Code Section 65962.5?  
 YES     NO
- XIV. Does the proposed discharge have the potential to substantially alter the existing drainage pattern of the discharge site?  
 YES     NO
- XV. Does the proposed discharge have the potential to significantly physically divide an established community, significantly conflict with any applicable land use plan/policy/regulation of an agency with jurisdiction over the project, or conflict with any applicable habitat/community conservation plan?  
 YES     NO
- XVI. California Environmental Quality Act (CEQA) (If any other public agency has required the project to comply with CEQA, dischargers must submit evidence of CEQA compliance to be eligible for coverage under these General WDRs).
- a. Name of Lead Agency: Division of Oil, Gas & Geothermal Resources
- b. Has a public agency determined that the proposed project is exempt from CEQA?  
 YES     NO
- Basis for Exemption/Agency: Ministerial Drilling Permit issued
- c. Has a "Notice of Determination" been filed under CEQA?  
 YES     NO

If yes, enclose a copy of the CEQA document, Environmental Impact Report (EIR), or Negative Declaration. If no, identify the expected type of CEQA document and expected date of completion.

d. EIR Negative Declaration expected CEQA completion date: N/A

e. Expected CEQA documents: N/A

Please submit the following with the Notice of Intent to the appropriate Regional Water Quality Control Board:

- a. Project map
- b. Evidence of compliance with the CEQA, if any other public agency has required the project to comply with CEQA
- c. First annual fee as described in Finding No. 6
- d. A DMP, as described in Provision C.6

**XVII. CERTIFICATION**

"I certify under penalty of law that this document and all attachments were prepared under my direction and 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. In addition, I certify that the provisions of the General WDRs, including the criteria for eligibility, will be complied with."

Signature of Owner/Operator <i>T.M. Zdarko</i>	Title Drilling Manager
Printed or Typed Name T.M. Zdarko	Date 8/27/15
Signature of Property Owner (Attached Letter)	Title President and General Manager
Printed or Typed Name Pierre Claeysens	Date
Signature of Site Operator/Manager <i>R. Henry</i>	Title Operations Manager
Printed or Typed Name Ron Henry	Date 8/27/15

DISCHARGE MONITORING PLAN – Aera Energy LLC  
VENTURA OIL FIELD – Ventura County

The only discharge monitoring requirement identified in the State Board Order is an obligation to provide a discharge site address and discharge site latitude and longitude prior to initiating the discharge. Aera proposes to comply with that requirement by placing the cuttings in either the 108 Storage Yard or the Taylor Cuttings Farm. Also, the cuttings will be used for fill placement around the field, to make beneficial use of the rock. Aera proposes to sample the mud and cuttings annually and provide a map where we beneficially used the cuttings as authorized by this order for the following constituents.

Material	Analytes
Boring solids and drilling mud	Halogenated compounds, Title 22 metals

Reporting will be conducted on an annual basis.