

**HAZARDOUS WASTE SECTION - COMPLIANCE BRANCH
FILE TRANSMITTAL & DATA ENTRY FORM**

Your Name: Jenny Patterson

Facility ID Number: NCD986180560

Facility Name: Hanson Aggregates - Crabree Quarry

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July 8, 2015

Mr. Andrew Martin, QEP
Environmental Senior Specialist
NCDENR Hazardous Waste Section
217 W. Jones Street
Raleigh, NC 27699

RE: Hanson Aggregates – Crabtree Quarry
NOV, Docket #2015-039, EPA ID #NCD986180560
Compliance Certification

Dear Mr. Martin:

We appreciate your help and guidance in addressing these issues found during your 5/8/15 site visit and will address each issue as stated in the NOV.

40 CFR 262.11 adopted by reference at 15A NCAC 13A .0107. Hazardous waste determination.

A person who generates a solid waste, as defined in 40 CFR 261.2, must determine if that waste is a hazardous waste using the following method:

- (a) He should first determine if the waste is excluded from regulation under 40 CFR 261.4.
- (b) He must then determine if the waste is listed as a hazardous waste in subpart D of 40 CFR part 261.
- (c) For purposes of compliance with 40 CFR part 268, or if the waste is not listed in subpart D of 40 CFR part 261, the generator must then determine whether the waste is identified in subpart C of 40 CFR part 261 by either:
 - (1) Testing the waste according to the methods set forth in subpart C of 40 CFR part 261, or according to an equivalent method approved by the Administrator under 40 CFR 260.21; or
 - (2) Applying knowledge of the hazard characteristic of the waste in light of the materials or the processes used.
- (d) If the waste is determined to be hazardous, the generator must refer to parts 261, 264, 265, 266, 268, and 273 of this chapter for possible exclusions or restrictions pertaining to management of the specific waste.

Hanson Aggregates Southeast, LLC Crabtree Quarry must make a waste determination on the water drained from the petroleum secondary containment structures to the oil/water separator and on the oil/water separator waste water that is stored onsite in a tank and used for dust suppression. Oil/water separator water and secondary containment water that is a hazardous waste (typically listed for benzene or RCRA metals) must be managed by all applicable hazardous waste regulations. The facility must also discontinue disposing of the waste water unto the ground until it is verified that the facility can legally do so.

The above referenced containment systems have lube tanks, used oil tanks and containers, diesel tank, and a tank formerly used to store gasoline. Upon a storm event, the resulting wastewater may contain stormwater and *de minimis* quantities of used oil defined as small spills, leaks, or drippings from pumps, pipes, tank systems hoses, fittings, etc. not subject to the requirements of Part 279. This wastewater is drained to the oil-water separator by gravity with the effluent pumped into a 500-gallon AST to be utilized in the water truck for haul road dust suppression or picked up for off-site recycling by Noble Oil, Inc. A second pump is used to pump the skimmed oil into the used oil tank located in the containment area. Noble Oil periodically collects our containment water for off-site recycling as well as our used oil, and there has been no sign of a hazardous waste appearing in its testing. Also, there are no parts washers at this facility and very little chance for halogens to appear as well as the RCRA metals. By applying "knowledge of the process", we did not consider the oil-water separator influent or effluent as a hazardous waste. On 6/18/15, you stated in an email that Hanson must test the oil/water separator effluent for volatiles/semi-volatiles using Methods 8260/8270. Those lab results were received on 6/29/15 and forwarded to you on 6/30/15. The results indicate that none of the parameters approached the EPA Regulatory Levels provided by your office. Therefore, it has been determined that a hazardous waste has not been generated, and that the Crabtree Quarry can continue to operate as a CESQG.

That said, Hanson has committed to the following immediate improvements to eliminate the oil-water separator and reduce the wastewater by stopping the rain from entering the lube tank containment area:

- Seal the large containment area for the lube tanks so it cannot drain to the separator, continue use of locked drain valves for the diesel and gasoline containment dikes.
- Seal the pad drain that once fed the oil-water separator
- With the oil-water separator out of action, cover the separator and its containment area until it has been removed.
- Purchase and install a roof with side panels to cover the portion of the containment area (4 week delivery) used to store the lube ASTs.
- There are no plans to cover the 2 bulk fuel tanks, so SPCC procedures will be followed for releasing or recycling accumulated stormwater.
- Until the roof has been installed, for accumulated stormwater within the 3 containment systems, follow the SPCC Plan by first visually inspecting the water for a sheen. If there is no sheen, unlock the drain valve and open for release. Record the estimated number of gallons and the date, and then have the inspector sign in a logbook. If there is a sheen, Hanson personnel can apply absorbents to treat the water, and then release with proper documentation. Or Noble Oil can be contacted to collect the water and haul off site for recycling. Records of this would be maintained at the facility.

The facility must also perform a waste determination on the used lamps stored within the office building (typically listed for mercury). If the facility determines that more than 220 pounds of hazardous waste water will be generated the facility must update their generator status using the EPA 8700-12 form.

As of 6/16/15, Hanson has taken inventory and performed a waste determination on the used lamps stored within the plant office. By utilizing technical bulletins for the 3 different fluorescent tubes, it was determined that 42 used 4-foot lamps and 4 used 8-foot lamps could be considered hazardous waste due to the unproven Mercury concentrations and 10 used 4-foot lamps are considered non-hazardous lamps. All lamp containers have been labeled "used lamps" or "new lamps" and the 56 used lamps will be treated as "universal waste" totaling about 30 pounds. On 6/30/15, Safety Kleen picked up the used lamps for

recycling off site, and the 1-year disposal clock will re-start when the next lamp is replaced. New cartons were received and labeled for "used lamps" and "new lamps".

Though it's been determined that less than 220 pounds of hazardous waste will be generated, and Crabtree will continue to operate as Conditionally Exempt Small Quantity Generator (CESQG) status, Hanson will submit a completed RCRA 8700-12 form to provide updated site ID and ownership information. Please see attached Form 8700-12.

40 CFR 279.22 adopted by reference at 15A NCAC 13A .0107. Used oil storage.

Used oil generators are subject to all applicable Spill Prevention, Control and Countermeasures (40 CFR part 112) in addition to the requirements of this Subpart. Used oil generators are also subject to the Underground Storage Tank (40 CFR part 280) standards for used oil stored in underground tanks whether or not the used oil exhibits any characteristics of hazardous waste, in addition to the requirements of this subpart.

- (a) Storage units. Used oil generators shall not store used oil in units other than tanks, containers, or units subject to regulation under parts 264 or 265 of this chapter.
- (b) Condition of units. Containers and aboveground tanks used to store used oil at generator facilities must be:
 - (1) In good condition (no severe rusting, apparent structural defects or deterioration); and
 - (2) Not leaking (no visible leaks).
- (c) Labels.
 - (1) Containers and aboveground tanks used to store used oil at generator facilities must be labeled or marked clearly with the words "Used Oil."
 - (2) Fill pipes used to transfer used oil into underground storage tanks at generator facilities must be labeled or marked clearly with the words "Used Oil."
- (d) Response to releases. Upon detection of a release of used oil to the environment that is not subject to the requirements of part 280, subpart F of this chapter and which has occurred after the effective date of the recycled used oil management program in effect in the State in which the release is located, a generator must perform the following cleanup steps:
 - (1) Stop the release;
 - (2) Contain the released used oil;
 - (3) Clean up and manage properly the released used oil and other materials; and
 - (4) If necessary, repair or replace any leaking used oil storage containers or tanks prior to returning them to service.

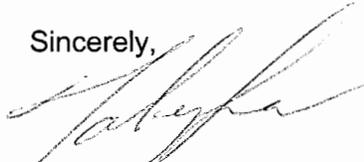
During the inspection, several 55- gallon used oil storage containers were not labeled with the words "Used Oil." The facility must label all containers (tanks, drums, buckets, bottles, etc.) used to store or transport used oil for recycling as "Used Oil" and follow all applicable regulations regarding used oil listed in 40 CFR 279.

- The used oil tanks and various 5-gallon containers have been inspected and labeled "used oil". Photos were emailed to your office on 6/16/15.
- Only containers that are in good condition (no severe rusting or apparent structural defects or deterioration) and no leaking (no visible leaks) will be used for storing used oil. Containers not in good condition are cleaned and either hauled off site for metal recycling or properly disposed.
- All applicable used oil regulations listed in 40 CFR 279 will be followed.
- Records of used oil recycled off site will be maintained in a log.

Hanson has addressed all of your concerns stated in the above referenced NOV and is submitting this written certification with supporting documentation confirming the noted

compliance schedule has been completed. Should you have any questions or need additional information, please call me Jack Garvey: (919) 380-2746, or reach me at (919) 380-2746.

Sincerely,



Toby Lee
NC Operations Manager

cc: Jack Garvey, Environmental Manager
James Hilton, Plant Manager

Enclosures: 8260/8270 Lab Results
Completed 8700-12 Form
