September 11, 2018

Mr. Stephen C. Lonneman
Vickery Environmental, Inc.
3956 State Route 412
Vickery, Ohio 43464

Re: Vickery Environmental Inc
Permit - Intermediate
Approval
RCRA C – Hazardous Waste
Sandusky County
OHD02073819

Subject: Hazardous Waste Permit Modification - Class 1A Approval

Dear Mr. Lonneman:

On July 13, 2018, Ohio EPA received a request for a Class 1A (Class 1 requiring prior approval) hazardous waste permit modification from Vickery Environmental, Inc. dated July 13, 2018. The modification requested the following change to the permit:

- Replace single walled waste transfer pipe from Filter Building #1 to Pump House #2 with double walled pipe.
- Remove permit conditions related to inspection of the single walled transfer pipe since they are no longer applicable.

With this letter, Ohio EPA approves the above referenced Class 1A modification1 submitted pursuant to Ohio Administrative Code (OAC) Rule 3745-50-51, and accordingly has updated the facility’s permit application and/or permit. The updated application/permit can be retrieved from the Agency’s eDocument Search website: http://edocpub.epa.ohio.gov/publicportal/edochome.aspx. Using the search function, search under the document type of “Permit” and then refine the search using the facility’s RCRA ID number (Secondary ID) which is noted in the Re: block above.

If you have any questions concerning this letter, please contact Mary Ann Miller of my staff at (419) 373-3060.

Sincerely,

Bradley Mitchell
Hazardous Waste Program Manager
Division of Environmental Response and Revitalization

Enclosure

ec: Mary Ann Miller, DERR-HW, NWDO
    Colleen Weaver, DERR-HW, NWDO
    Michael Terpinski, DERR-HW, NWDO
    Bradley Mitchell, Manager

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1 Please note: If the modification application included a claim for confidentiality, Ohio EPA will retain the confidentiality of the document(s) until the Director makes a final determination in accordance with OAC Chapters 3745-49 and 3745-50 as to whether the document(s) constitutes a trade secret and must remain confidential. Ohio EPA will notify you of any determination made as to the confidentiality of the document(s).
A waste head-gas scrubber is located adjacent to the V-tank building. The scrubber is an air pollution control device designed to handle emissions from the V-tanks and T-tanks. The scrubber system is permitted through the Ohio EPA, Division of Air Pollution Control.

Waste Storage and Treatment Tank System

The waste storage and treatment tank system consists of six T-tanks set upon a 143-foot by 140-foot concrete reinforced containment pad. The containment pad is lined with a protective liner. The west 13 feet of the containment pad is dedicated to the T-tank Pump House which shelters one transfer pump and one recirculating pump for each T-tank. The head space of each T-tank is blanketed with an inert gas to create an oxygen-reduced condition to reduce the potential for fire and is vented to the caustic scrubber. The entire foundation of the containment pad is supported on 50-foot, 90-ton piles driven to refusal. The total available storage volume of the containment system is 313,423 gallons.

Filters and Filter Building

Filter building No. 1 houses the admix and precoat tanks for the filtration process, transfer pumps that service the Filtered Acid Tanks (FAT), and bag filters utilized for the filtration of wastes. Filter building No. 2 contains a large, recessed plate filter press. The filter press is elevated so that a roll off box can be placed under the press to receive the filter cake. The filter press and/or bag filters remove most of the precipitates and other suspended solids from the wastes prior to deepwell injection.

Approvals for an additional filter press and a filter press building have been granted, but have not been installed. Refer to Module G for specific information regarding the requirements to install these units.

Yard Piping

Yard piping is fiberglass-reinforced plastic, polyvinylchloride (PVC), chlorinated polyvinylchloride (CPVC), and hasteloy. Yard piping from the T-tanks and the filter buildings to the injection wells is situated on above ground pipe racks throughout the facility. All above ground yard piping is double walled with leak detection system.

D.10 Special Tank Provisions for Incompatible Wastes
OAC Rule 3745-55-99

(a) The Permittee must not place incompatible wastes, or incompatible wastes and materials, in the same tank system or the same secondary containment system, unless the procedures specified in the permit application are followed. The Permittee must document compliance with this condition and place that documentation into the operating record.

(b) The Permittee must not place hazardous waste in a tank system that has not been decontaminated and that previously held an incompatible waste or material, unless the requirements of Permit Condition D.10(a) are met.
D.11  Reserved