



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

July 30, 2015

Mr. Jay Smith, P.E.
Phillips North America
15313 West 95th Street
Lenexa, Kansas 66219

Re: Site Investigation Workplan Addendum dated July 8, 2015
Former Shakespeare Composite Structures Site
Newberry County
Voluntary Cleanup Contract 14-6271-RP
File #51025

Dear Mr. Smith,

The Department has reviewed the referenced workplan and offers the following comments:

1. For ease of review, Figure 2-1 should be revised to show all existing permanent and proposed temporary and permanent shallow monitoring wells.
2. Section 2 should include the justification for choosing well MW-7 for metals analysis.
3. Section 2.2.3 should discuss the fact that the location of the bedrock boring has not yet been chosen and that Philips, AECOM and the Department will decide on this in the near future. Also in this section, justification of the location of the two proposed bedrock wells should be added.
4. The second bullet on top of page 2-4 should read "three" rather than "one" proposed additional bedrock well.
5. Also, the Department is recommending adding one additional shallow permanent well located between MW-1 and MW-3 on the southwest side of the plant property.

Please submit these revisions, to my attention, on or before August 15, 2015. Your copy of the Well Installation Approval is enclosed. The original has been sent to your consultant, Mr. Scott Ross, P.G. of AECOM. The analytical results from these wells should be submitted to my attention within thirty days (30) of receipt from the laboratory or on or before October 15, 2015.

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Please include all the well/boring logs with the report. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.
- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).

Please feel free to contact me with any questions or comments at (803) 898-0722 or at walkeras@dhec.sc.gov.

Sincerely,



Addie Walker, Hydrologist
State Remediation Section
Bureau of Land and Waste Management

CC: Gary Stewart, BLWM
Harry Mathis, Director, Midlands Region EQC Office
Scott Ross, AECOM, 101 Research Drive, Columbia, SC 29203
File #51025



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Monitoring Well Installation Approval

Approval is hereby granted to:
(on behalf of):
Facility:
Site Identification:
County:

AECOM
Phillips North America
Shakespeare Composite Structures Site
File #51025
Newberry

This approval is for the installation of up to ten (10) shallow temporary monitoring wells, fourteen (14) permanent shallow wells, ten (10) intermediate permanent wells and three (3) deep bedrock wells. These wells are to be installed per the correspondence dated July 8, 2015. The wells are to be installed following all of the applicable requirements of R.61-71.

Please note that R.61-71 requires the following:

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. A Water Well Record Form or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless another schedule has been approved by the Department. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.
4. All temporary monitoring wells shall be abandoned within 10 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.
5. If any of the information provided to the Department changes, the **Addie Walker (803) 898-0722** shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

Date of Issuance: July 30, 2015

Approval #: MW-10247

Addie Walker, Hydrologist
State Remediation Section
Bureau of Land and Waste Management