



Catherine B. Templeton, Director

*Promoting and protecting the health of the public and the environment*

September 4, 2014

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

Re: Former Shakespeare Site ID#51025  
Workplan and Request for Well Installation Permit received September 3, 2014  
Newberry County

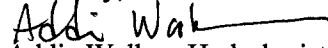
Dear Mr. Smith,

The Department has received and reviewed approved the referenced Workplan submitted by Mr. Scott Ross, P.G., of AECOM dated August 7, 2014. Attached is your copy of the Monitoring Well Installation Approval which is for up to 42 shallow temporary wells. The original has been sent to Mr. Ross. 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, 2014. 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](mailto:walkeras@dhec.sc.gov).

Sincerely,

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

CC: Gary Stewart, BLWM via email  
Harry Mathis, region 3 EQC via email  
Scott Ross, AECOM, 3820 Faber Place Drive, Suite 300, N. Charleston, SC 29405  
File #51025



Catherine B. Templeton, Director

*Promoting and protecting the health of the public and the environment*

### Monitoring Well Installation Approval

**Approval is hereby granted to:** AECOM  
**(on behalf of):** Philips North America  
**Facility:** Shakespeare Composite Structures Site  
**Site Identification:** File #51025  
**County:** Newberry

This approval is for the installation of up to forty-two (42) shallow temporary monitoring wells. These wells are to be installed per the correspondence dated September 3, 2014. 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:** September 4, 2014

**Approval #:** MW-09787

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