



51778

October 31, 2016

Ms. Kanistha C. Coombs  
UTC AEROSPACE SYSTEMS  
EH&S Generalist, Sr. Analyst  
P.O. Box 969, 4334 Main Highway  
Bamberg, SC 29003

Re: Groundwater Delineation Work Plan dated September 13, 2016  
Goodrich Delavan Spray Technology Site  
Bamberg County  
VCC #13-4762-RP  
File #51778 (Former Site ID #02211)

Dear Ms. Coombs:

The Department has reviewed the referenced work plan and offers the following comments:

1. The proposal to field screen the groundwater prior to locating the permanent monitoring wells is approved. Other field screening methods such as Color-Tec™ with the proper QA/QC may be worth considering for this site as it may save time and/or money.
2. Please include a discussion of the abandonment procedures for the temporary field screening wells and submit replacement pages including this discussion for the work plan, on or before December 15, 2016.
3. The proposal to perform a pilot study for source area remediation while completing the delineation of the groundwater plumes is approved. Please submit a work plan for a pilot study, to my attention, on or before January 15, 2017.
4. The assessment report including the field screening data and a proposal for the permanent well installations should be submitted, to my attention, on or before January 15, 2017. The Department understands that this work is based on UTAS obtaining off-site access and an extension for this submission may be necessary.

Attached is your copy of the Temporary Monitoring Well Installation Approval. The original has been sent to your consultant, Mr. Walter Gerald, P.G., of AECOM per the referenced workplan. Please feel free to contact me at (803)898-0722 or at [walkeras@dhec.sc.gov](mailto:walkeras@dhec.sc.gov) with any questions or comments. Please reference File #51778 on all future correspondence.

Sincerely,



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

CC: Mr. R. Gary Stewart, BLWM  
Mr. Russell Berry, Director, Low Country EQC Region  
Mr. Bill Penn, United Technologies Corporation, EH&S Remediation Group, 9 Farm  
Springs Road, - MS101, Farmington CT 06032  
Mr. Walter Gerald, P.G., AECOM, 10 Patewood Drive, Bldg. VI, Suite 500, Greenville, SC,  
29615  
File #51778



Healthy People Healthy Communities

## Monitoring Well Installation Approval

**Approval is hereby granted to:**

(on behalf of):

Facility:

Site Identification:

County:

AECOM

United Technologies Corporation Aerospace Systems (UTAS)

Delavan Spray Technologies Site

#51778

Bamberg

This approval is for up to 20 temporary wells. These wells are to be installed per the correspondence from Walter Gerald, P.G., AECOM, dated September 13, 2016. These 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. 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.
5. 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).
6. If any of the information provided to the Department changes, **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:** October 31, 2016

**Approval #:** MW-10879

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