



March 10, 2011

Ms. Karen Simmons  
Contracting Division  
USACE - Huntington District  
502 8<sup>th</sup> Street  
Huntington, West Virginia 25701

**SUBJECT:** *Contract Number W91237-10-C-0001 Modification P00001  
Letter of Addendum to the Final Quality Control Plan, Long-Term  
Monitoring/Maintenance Services for Groundwater Monitoring Wells, Plum  
Brook Ordnance Works, Sandusky, Ohio*

Dear Ms. Simmons:

This addendum is submitted in response to the subject contract and modification for the Groundwater Monitoring Well Long-Term Maintenance effort Quality Control Plan (QCP). TMG Services, Inc. (TMG) is currently providing services under the contract awarded December 11, 2009. TMG understands USACE is exercising Option Year 1 (OY1) as outlined in the award issued December 11, 2009 and the Period of Performance for OY1 is from April 1, 2011 to March 31, 2012.

### **Introduction**

The purpose of this addendum to the Final Quality Control Plan, Long-Term Monitoring /Maintenance Services for Groundwater Monitoring Wells, Plum Brook Ordnance Works, Sandusky, Ohio is to address personnel changes and present activities outlined within the scope of work issued under Contract Number W91237-10-C-0001, Modification Number P00001. The original QCP for the Groundwater Monitoring Well Long-Term Maintenance will be followed in its entirety. The applicability of this addendum extends to all employees, subcontractors, and visitors.

### **Background - Groundwater Monitoring Well Measurements and Long-Term Monitoring**

The former Plum Brook Ordnance Works (PBOW) is located four (4) miles south of Sandusky, Ohio, near Lake Erie. Nitroaromatic explosives produced at the site included TNT, DNT, and pentolite; other products produced at the ordnance works included nitric and sulfuric acid. The plant operated for four years from 1941 to 1944, and was decontaminated by the end of 1945. Possession of the property was transferred to the Ordnance Department in 1946, then to the War Assets Department, and finally to the GSA in 1949. NASA acquired the property in 1963 and presently maintains and utilizes 6453.5 of the original 9009 acres.

USACE is currently conducting studies of the environmental impact of suspected hazardous water sites at properties previously owned by the DOD. At PBOW, approximately 140

Environmental Remediation and Consulting  
Waste Management  
Construction Management  
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## TMG Services, Inc

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groundwater monitoring wells have been installed as part of past and on-going investigations. USACE requires the groundwater elevations be measured and the wells maintained. TMG Services, Inc. is contracted to provide the LTM efforts and includes the well maintenance as needed and collecting groundwater elevations and mowing on a quarterly schedule.

### **Project Tasks – Long-Term Monitoring/Maintenance Services for Groundwater Monitoring Wells**

TMG Services, Inc. (TMG) will provide all labor, materials, supplies, and supervision necessary to support the PBOW Long-Term Monitoring Efforts. The activities outlined in the Scope of Work include the following tasks:

- Mowing, weed eating and clearing the area around each of the wells. Mowing activities are conducted during the months of May, June/July, August, and November.
- Maintenance of the wells includes painting, replacing label, replacing locks.
- Groundwater Measurements are conducted in May, August, November, and February.
- Preparation of the Well Condition Report following the final quarterly measurement effort.

### **Project Personnel**

The TMG personnel listed below will be on-site during the long-term monitoring and mowing at PBOW. A point-of-contact for Barnes Nursery is provided. Barnes Nursery provides subcontractor support with several staff trained and available to support the effort. All individuals assigned to this effort are 40-Hour HAZWOPER certified with current 8-Hour refresher training.

Name	Title	Contact Information
Helen Owens	Project Manager	<a href="mailto:HOwens@TMGServicesUSA.com">HOwens@TMGServicesUSA.com</a> 216.857.5526 937.478.2322
Dan Cashbaugh	Site Superintendent	<a href="mailto:DCashbaugh@TMGServicesUSA.com">DCashbaugh@TMGServicesUSA.com</a> 216.404.8109
James Russell	Quality Control Officer	<a href="mailto:JRussell@TMGServicesUSA.com">JRussell@TMGServicesUSA.com</a> 216.857.1112
Jarret Barnes	Barnes Nursery, subcontractor	<a href="mailto:JSBarnes@BarnesNursery.com">JSBarnes@BarnesNursery.com</a> 419.656.3652

**ATTACHMENT A**  
**QUALITY CONTROL DOCUMENTATION**

**Quality Control Certification**

**Letter of Addendum**

**Final Quality Control Plan  
Long-Term Monitoring / Maintenance Services for Groundwater  
Monitoring Wells  
Plum Brook Ordnance Works  
Sandusky, Ohio**

**Contract No. W91237-10-C-0001  
Modification P00001**

<u>Assignment</u>	<u>Name</u>	<u>Signature</u>	<u>Date</u>
<u>Senior Review</u>	Kimberlie Bumgardner		3-14-11
<u>Peer Review</u>	Richard Armstrong		3-14-11

**TMG Response to USACE Review Comments**

**PBOW RAB/LTM Support  
Contract No. W91237-10-C-0001  
Mod 1 (Option Year 1 Award)**

**Comment 1:** Since there were individual work plans prepared for RAB and LTM efforts, there shall be an addendum for each of those specific work plans (i.e., QCP for RAB and a QCP and a SSHP for LTM efforts) so that each can reference the specific project efforts/changes. This shall also aid in keeping the plans separate for the Administrative Record requirements for RAB and LTM projects.

Response: The addendum is separated as required and the separate documents are submitted as separate addenda.

**Comment 2:** The SSHP addendum shall show the appropriate HAZWOPER refresher certifications.

Response: HAZWOPER 8-hour refresher for TMG Services employees will be provided upon completion of the refresher training. The 40-hour HAZWOPER and current 8-hour refresher certifications for Barnes Nursery are included as an attachment to the letter of addendum to the Accident Prevention Plan / Site Safety and Health Plan.



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### References

Final Quality Control Plan – Long-Term Monitoring / Maintenance Services for  
Groundwater Monitoring Wells – Plum Brook Ordnance Works, Sandusky, Ohio. TMG  
Services, Inc., June 2010.

Should you have any questions regarding this addendum, please contact me at 304.722.6015  
(office) or 304.545.4481.

Sincerely,  
TMG Services, Inc.

A handwritten signature in blue ink, appearing to read "Rodney Bumgardner".

Rodney Bumgardner  
Vice-President

Environmental Remediation and Consulting  
Waste Management  
Construction Management  
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