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Dept. of Environmental Conservation  
Region 7 Binghamton Sub. Office

April 1, 1993

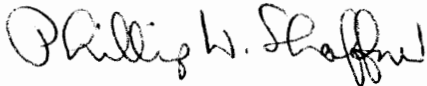
Mr. Scott Rodabaugh  
New York State DEC  
RD 1 Route 11  
Kirkwood, NY 13795

Dear Scott:

Buck Engineering has been retained by the Town of Vestal to perform soil excavation and analytical work at the former Monarch Chemical Site on Prentice Road in the Town of Vestal. A work plan for the soil excavation and sampling at this site has been prepared and is enclosed. After you have had an opportunity to review the plan, we anticipate that the concerned parties may wish to meet briefly at the site prior to the start of excavation activity to ensure that all concerned have a clear understanding of the work to be performed.

Please contact me to further discuss this situation.

Sincerely,



Phillip W. Shaffner  
Project Manager

cc: Mr. Donald Bulman  
Town of Vestal

SOIL EXCAVATION  
AND SAMPLING AT  
THE FORMER MONARCH CHEMICAL SITE  
PRENTICE ROAD  
VESTAL, NEW YORK

MARCH 1993

PREPARED FOR:

MR. DONALD BULMAN  
DIRECTOR OF ENGINEERING SERVICES  
TOWN OF VESTAL  
605 VESTAL PARKWAY WEST  
VESTAL, NEW YORK 13850

AND

THE NEW YORK STATE DEPARTMENT  
OF ENVIRONMENTAL CONSERVATION

PREPARED BY:

BUCK ENGINEERING  
PO BOX 5150  
3145 ROUTE 11 SOUTH  
CORTLAND, NEW YORK 13045  
607-753-3403

WORK PLAN FOR SOIL EXCAVATION  
FORMER MONARCH CHEMICAL SITE - MAR 1993

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**WORK PLAN FOR SOIL EXCAVATION  
FORMER MONARCH CHEMICAL SITE - MAR 1993**

**INTRODUCTION**

Buck Engineering and a local contractor have been retained by the Town of Vestal to excavate four to six test pits located at the former Monarch Chemical site on Prentice Road in the Town of Vestal to obtain soil samples for laboratory analysis. The purpose of this work plan is to define the activities that are to take place related to the soil excavation and sampling activities.

**SITE ADDRESS**

Prentice Road, Vestal, New York.

The site is located on the west side of Prentice Road, approximately 1/2 mile north of the junction of Prentice Road and Old Vestal Road.

**PROJECT SCHEDULE**

The on-site work is scheduled to take place as soon as the frost is out of the ground at the site, probably in early April 1993.

**PRE-EXCAVATION PREPARATION**

Buck Engineering:

1. Prepare a site specific Health and Safety Plan for use by Buck Engineering (BE) and Buck Environmental Laboratories (BEL) personnel.
2. Coordinate the excavation schedule with the Town of Vestal Engineering Department, the NYSDEC, and the excavation contractor.
3. Provide all BE and BEL employees expected to work at the site with approved respirators equipped with granular activated carbon canisters.

Excavation Contractor:

1. Provide all contractor employees expected to work at the site with approved respirators equipped with granular activated carbon canisters.

**WORK PLAN FOR SOIL EXCAVATION  
FORMER MONARCH CHEMICAL SITE - MAR 1993**

Pre-Excavation Preparation (Con't.)

2. Obtain ultraviolet (UV) resistant plastic sheeting of minimum 6 mil thickness for use in staging excavated soil at the work site.

**EXCAVATION ACTIVITY**

1. Using a tracked excavator at locations designated jointly by the Engineer and a NYSDEC representative, excavate the soil at four (4) to six (6) locations at the former Monarch Chemical site to a depth of 12 to 14 ft.  
Note: The final depth of the excavations will depend upon conditions found at the site.
2. Continuously monitor the excavation activity using an HNu photoionization detector. Background readings will be obtained prior to the start of excavation.
3. Remove any soil that is encountered that has HNu meter readings greater than 5 ppm. Stage contaminated soil on UV resistant plastic sheeting. At the conclusion of excavation activities, cover the contaminated soil pile with UV resistant plastic sheeting and ballast the covering sheet to ensure it remains in place.
4. Obtain composite soil samples from the bottom of each excavation for laboratory analysis by EPA Method 8010 and Total Organic Carbon.
5. Backfill the excavations with spoil removed from the excavations. In the event it is required, provide clean backfill material to completely close the excavations. Backfill material will be compacted with the excavator bucket to minimize surface settling.

**SITE MONITORING**

Representatives of Buck Engineering will provide an HNu meter and an explosimeter for use in monitoring the ambient conditions at the site. In addition, the HNu meter will be used on a regular schedule (i.e., every 15 to 20 minutes) to monitor the ambient air at the down-wind property line. In the event that HNu meter readings above background levels are obtained at the down-wind property line, excavation activities will be stopped until engineering controls or other methods can be implemented to eliminate the escape of fugitive emissions from the property. In the event that excavation activities are stopped, the excavation and

**WORK PLAN FOR SOIL EXCAVATION  
FORMER MONARCH CHEMICAL SITE - MAR 1993**

Site Monitoring (Con't.)

contaminated soil pile (in any) are to be immediately covered with plastic sheeting.

**HEALTH AND SAFETY**

A site specific Health and Safety Plan will be developed by Buck Engineering prior to the start of excavation activity.

# BUCK ENGINEERING

CONSULTING ENVIRONMENTAL ENGINEERS

3845 ROUTE 11 SOUTH,  
CORTLAND, N.Y. 13045

P.O. BOX 5150  
607-753-3403

JOB TOWN OF VESTAL - MONARCH CHEMICAL SITE

SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_

CALCULATED BY \_\_\_\_\_ DATE \_\_\_\_\_

CHECKED BY PNS DATE 3/2/93

SCALE NOT TO SCALE

