New York State Department of Environmental Conservation

MEMORANDUM

TO: Michael J. O'Toole, Director, Division of Environmental Remediation
FROM: Richard Koelling, Director, Bureau of Construction Services, Division of Environmental Remediation
SUBJECT: **Accurate Die Castings, Site No. 7-34-052, Onondaga County Explanation of Significant Differences**

DATE: **September 28, 1998**

Attached for your review and signature is an Explanation of Significant Differences (ESD) for the above-referenced site. The ESD describes the construction of a groundwater collection trench which is in addition to the existing groundwater collection pump and treat system. The need for additional groundwater measures was determined based on results of the long term monitoring program for the site.

In addition, the PRP for the site, ITT Commercial Finance Corporation, requested the Department to prepare the ESD to assist in their cost recovery efforts. The NYSDOH has reviewed and accepted the ESD.

We recommend you sign the ESD.

If you have any questions, please contact me or George Harris at 7-9285.

Attachment
cc: C. Branagh, RHWRE-Region 7

EXPLANATION OF SIGNIFICANT DIFFERENCES

ACCURATE DIE CASTINGS SITE

Fayetteville / Onondaga County / Registry No. 7-34-052 / October 1998

Prepared by the New York State Department of Environmental Conservation
Division of Environmental Remediation

1.0 INTRODUCTION

The purpose of this notice is to describe the progress of the cleanup at the Accurate Die Casting Site and to inform you of a change in the site remedy. The Accurate Die Casting Site is located in the Village of Fayetteville, New York. In December 1994, the New York State Department of Environmental Conservation (NYSDEC) signed a Record of Decision (ROD) which selected a remedy to clean up the Site. In October 1997, the NYSDEC amended the ROD. One of the changes specified in the amended ROD was continuation of a long-term groundwater monitoring program to evaluate the effectiveness of the soil remedial action for a portion of the site that was the location of a historical oil spill. At this location soil was found to be contaminated with polychlorinated biphenols (PCB), volatile organic chemicals (VOC) and polyaromatic hydrocarbons (PAH). This part of the site is identified as Area 1 in the ROD and is also known as the PCB/VOC/PAH area. The amended ROD further stated that a decision on the remediation of the groundwater under the PCB/VOC/PAH area would be based on additional data collected during the monitoring program. The responsible party identified for the site, ITT Commercial Finance Corporation, hired O'Brein & Gere to performed the recent investigations in the PCB/VOC/PAH area. The results of the monitoring program indicated that groundwater contaminated with VOCs poses an unacceptable threat to the environment. It has been determined that additional remediation efforts are required to address the groundwater contamination and prevent the discharge of contaminated groundwater into Bishop Brook. The purpose of this Explanation of Significant Differences (ESD) is to describe the groundwater remedy.

The proposed change to the remedy is the construction of a groundwater collection trench in the PCB/VOC/PAH area. The trench will be about 300 feet in length and contain a collection sump from which the contaminated groundwater will be pumped. The collected water will be treated via the existing carbon adsorption treatment system and discharged to Bishop Brook. Therefore, the remedy set forth in the ROD for treatment of contaminated groundwater remains unchanged. The discharge will be monitored in accordance with the State Pollution Discharge Elimination System (SPDES) criteria developed for the site.

This Explanation of Significant Differences (ESD) will become part of the Administrative Record for this site. The information here is a summary of what can be found in greater detail in documents that have been placed in the following repositories:

Village of Fayetteville
Town Hall
425 East Genesee Street
Fayetteville, New York 13066
Contact: Martin Lynch
(315)637-9864

NYSDEC Regional Office
615 Erie Boulevard
Syracuse, New York 13204
Contact: Charles Branagh
(315) 426-7551

Although this is not a request for comments, interested persons are invited to contact the Department's Project Manager for this site to obtain more information or have questions answered.

2.0 SITE DESCRIPTION AND ORIGINAL REMEDY

2.1 Site History, Contamination, and Selected Remedy

The Accurate Die Casting Site is located on a 32-acre parcel at 547 East Genesee Street in the Village of Fayetteville. The site includes a main building, an associated parking lot and wooded and grassy areas. The site is generally flat with the southern half sloping gently, then drops abruptly to Bishop Brook. Site groundwater flows north to Bishop Brook. The site was a die casting facility since the mid-1950's until 1988.

In mid-1987, the NYSDEC responded to a report of oil contamination in the northwest area of the site. During the site cleanup, about 120 tons of oil contaminated soil was removed. An investigation conducted following the spill discovered more soil and groundwater contamination, including PCBs, VOC's and PAHs. In January 1990, the site was included in the Registry of Inactive Hazardous Waste Sites as a Class 2 site, indicating that the site posses a significant threat to the environment or human health and that remedial actions were required.

In March 1994, the NYSDEC released the ROD for the site which required the following remedy:

- Excavation and off-site disposal of soil from the PCB/VOC/PAH area.
- Removal of contaminated sludge from an on-site septic tank.
- Installation of a groundwater pump and treat system.
- Remediation of TCE contaminated soil located in the northeast corner of the building.
- Initiation of a long-term monitoring program.

In October 1997, the NYSDEC amended the ROD which included the following:

- Increased quantities of soil requiring remediation would be treated on-site instead of being sent off-site for disposal. A portion of the contaminated soil which was excavated and not disposed off-site, was treated by mechanical volatilization. The treated soils meeting the remedial action objectives where placed and covered with clean fill in a Corrective Action Management Unit (CAMU) located in the northwest portion of the site as established by the ROD Amendment.
- Conduct additional monitoring and evaluation of the groundwater contamination. The need for additional remedial efforts to be determined at a future time.

3.0 CURRENT STATUS

The site is currently owned by ITT Commercial Finance Corporation and is used as office space and for the manufacture of boilers and pollution prevention equipment. Investigations funded by ITT and conducted by their consultant continue to show groundwater contaminated with VOCs above New York State Standards.

4.0 DESCRIPTION OF SIGNIFICANT DIFFERENCES

4.1 New Information

The present groundwater pump & treat system installed in accordance with the ROD consists of three recovery wells. The extracted groundwater is treated via carbon adsorption and discharged to Bishop Brook. Additional investigations of groundwater in the PCB/VOC/PAH area indicate that groundwater in this area is contaminated with VOCs. Additional mitigative measures are necessary to address the potential for off-site release of groundwater contamination and potentially impact Bishop Brook.

4.2 Comparison of Changes with Original Remedy

The amended ROD of October 1997 called for continued monitoring of site groundwater and an evaluation of the need for additional remedial measures. The data indicates that additional measures are necessary to capture the contaminated groundwater and prevent the release of contaminated groundwater to Bishop Brook.

The change to the remedy is the construction of a groundwater collection trench in the PCB/VOC/PAH soil area. The trench will be about 300 feet in length and contain a collection sump from which the contaminated groundwater will be pumped. Figure 1 shows the approximate location of the groundwater collection trench. The collected water will be treated by the existing carbon adsorption treatment system and discharged to Bishop Brook. The discharge will be monitored in accordance with the State Pollution Discharge Elimination System (SPDES) criteria developed for the site.

The inclusion of the PCB/VOC/PAH area to the existing groundwater collection system will enhance the present pump and treat system by collecting contaminated groundwater over a much large area. The enhancement will reduce the potential for releases of contaminated groundwater to the site boundary and protect the surface water quality of Bishop Brook.

5.0 SCHEDULE AND MORE INFORMATION

The PRP's consultant, O'Brien & Gere, has submitted detailed plans and specifications to the NYSDEC for review. NYSDEC comments have been forwarded to O'Brien & Gere and have been provided to prospective bidders as a contract addendum. A remedial contractor will be selected during September 1998 and it is anticipated that construction of the groundwater collection trench will begin soon thereafter in September. Construction of the system should take four to six weeks.

If you have questions or need additional information you may contact any of the following:

David A. Crosby, P.E.
Project Manger
NYSDEC
50 Wolf Road
Albany, New York 12233
(518) 457-9285
Toll Free Number:
1-800-342-9296

Charles Branagh, P.E.
Regional Hazardous Waste Engineer
NYSDEC
615 Erie Boulevard West
Syracuse, New York 13204
(315) 426-7400

Henriette M. Hamel, R.S.
Public Health Specialist II
NYS Department of Health
Syracuse Field Office
217 South Salina Street
Syracuse New York
(315) 426-7627

FIGURE 1

FORMER ACCURATE DIE CASTING SITE
FAYETTEVILLE, NEW YORK

SITE PLAN

FILE NO. 2488.731.019
DATE: SEPTEMBER 1998

O'BRIEN & GERE ENGINEERS II

Prepared by:

10/1/98
Date

David A. Crosby, P.E., Project Manager
Bureau of Construction Services
Division of Environmental Remediation

Reviewed by:

10/1/98
Date

George Harris, P.E., Section Chief
Bureau of Construction Services
Division of Environmental Remediation

Reviewed by:

10/1/98
Date

Edward Belmore, P.E., Bureau Director
Bureau of Western Remedial Action
Division of Environmental Remediation

Approved by:

10/2/98
Date

Michael J. O'Toole, Jr., Director
Division of Environmental Remediation