

Atlantic Richfield Company

Paul G. Johnson
Operations Project Manager

Remediation Management
150 W Warrenville Road
MC 200 1E
Naperville, IL 60563
Phone: (630) 420-5992
Mobile: (630) 731-4463
Fax: (630) 420-3738
E-Mail: paul.johnson4@bp.com

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Jessica LaClair
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7016

RE: Former Building 52 Slab Epoxy Maintenance
Former Anaconda Plant (a.k.a. Harbor at Hastings Site) Site No. 3-60-022
1 River Street
Hastings-On-Hudson, New York

Dear Ms. LaClair:

The purpose of this letter is to provide a summary of the scope, methods, and materials for the epoxy maintenance work to be completed on the Former Building 52 concrete slab at the referenced site.

Background

As part of the Building 52 decommissioning and demolition activities completed in 2017, select areas of the Former Building 52 concrete slab were covered with two layers of epoxy per the approved *Building 52 Demolition and Transportation and Disposal Self-Implementing Clean-Up Plan* (Jacobs, March 2017). The areas covered with epoxy are shown in Figure 1 and include expansion joints and six areas of the pad where previous sampling indicated that the PCB concentrations were greater than 50 milligrams per kilogram (mg/Kg). Epoxy application was completed by the demolition subcontractor (Envirocon) under the direction of the prime demolition contractor (Jacobs) and in consultation with the epoxy supplier (LeiserTech Consulting) in October 2017.

Based on observations made during site inspections and other onsite work, LeiserTech Consulting completed a follow-up inspection of the epoxy areas in April 2018.

Inspection Results

The findings of the April 2018 inspection by LeiserTech Consulting are summarized below.

Expansion joints: Although cracks are apparent at many of the expansion joints, they do not require maintenance. During epoxy application, the perimeter of the joints and the interior surface of the expansion joint cracks were fully coated with epoxy per the approved scope of work. LeiserTech Consulting indicated that the

epoxy in and around these joints is fully cured and bonded and that the epoxy is performing as specified.

Areas A, B, C, D, and F: Epoxy outgassing has occurred and caused small bubbles to form on the epoxy surface. Some of these outgassing bubbles have broken and the concrete is visible; these will be patched as described below.

Area B: Area B has some "shadowing" where the first, red epoxy coat is showing through the second, medium-grey epoxy coat. This is indicative of the second coat being applied too thinly, below the minimum application spread of 16 mil thickness.

Area E: There is an approximately 10-foot by 10-foot area at the north end of Area D which is still tacky and not fully cured. This is likely due to an incorrect ratio of resin to hardener when the epoxy was applied.

Maintenance Work Scope

Specific epoxied areas will receive maintenance as follows:

Expansion Joints: No maintenance is required.

Areas A, B, C, D, and F: Affected off-gassed areas will be swept clean and wiped with a solvent (acetone and / or xylene). The solvent will be allowed to wick off leaving a clean, dry, de-glossed surface. Dur-A-Glaze Cove resin will be mixed at a 2:1 ratio with Dur-A-Glaze #4 fast hardener, and 1 to 2 ounces of Superstick bond agent will be added per mixed gallon. This will create a knife-grade patch that will be packed into the small, open voids.

Area B: The shadowing area within Area B will be swept clean and wiped with a solvent (acetone and / or xylene). The solvent will be allowed to wick off leaving a clean, dry, de-glossed surface. Dur-A-Gard medium grey 100 percent solids epoxy resin and hardener will be mixed at a 2:1 ratio, and 1 to 2 ounces of Superstick bond agent will be added per mixed gallon. This mixture will be applied at a minimum spread rate of 100 square feet per gallon to a minimum thickness of 16 mils.

Area E: The uncured portion of Area E will be swept clean and wiped with a solvent (acetone and / or xylene). The solvent will be allowed to wick off leaving a clean, dry, de-glossed surface. Dur-A-Gard medium grey 100 percent solids epoxy resin and hardener will be mixed at a 2:1 ratio, and 1 to 2 ounces of Superstick bond agent will be added per mixed gallon. This mixture will be applied at a minimum spread rate of 100 square feet per gallon to a minimum thickness of 16 mils.

Materials

The approximate volume of materials to be used in this application are as follows. Safety data sheets for these materials will be available onsite and will be reviewed prior to application:

- Dur-A-Glaze Cove resin and hardener mix (Dur-A-Flex, Inc.): 3 gallons
- Dur-A-Gard Epoxy resin and hardener mix (Dur-A-Flex, Inc.): 3 gallons
- Superstick Bond Agent (Dur-A-Flex, Inc.): 20 ounces
- Solvent: 2 quarts



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The solvent is expected to provide a good working surface for the other products, therefore sanding is not expected to be necessary. If sanding is required, a hand-held palm sander will be used which will generate minimal dust; if needed, water will be applied during sanding to manage dust. Any resulting residue will be collected in a wet/dry vacuum as work proceeds.

Equipment

Equipment to complete this scope of work will include:

- Work Truck
- Hand-held drill with mixing adapter
- Buckets
- Epoxy Applicators

Waste Management

Waste will be contained and disposed properly. LeiserTech Consulting will be responsible for non-hazardous waste management. No hazardous waste is expected to be generated; however, if hazardous waste is generated, Sovereign Consulting Inc. (Sovereign) will assist in the management of that waste.

Schedule

This work is expected to be completed in one day by LeiserTech Consulting. Use of the above products will be limited to between 9:00 AM and 3:00 PM, as practical. Health and safety oversight will be provided by Jacobs, Envirocon, or Sovereign.

Based on the the assessment that sanding will not be required and thereby no dust will be generated, the lack of intrusive work, and the short-term nature of the work (1 day), air monitoring is not planned for this scope of work.

If you have any questions or comments on this process, please feel free to contact me at 630-420-5992.

Sincerely,



Paul G. Johnson
Operations Project Manager

Enclosure: Figure 1

cc: Maureen Schuck, New York State Department of Health

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Francis Frobel, Hastings-On-Hudson
Mark Chertok, Hastings-On-Hudson
Karl Coplan, Pace/Riverkeeper
Martha Gopal, Sovereign Consulting Inc.
File

ecc: Jacquelyn Nealon, New York State Department of Health
Kevin Farrar, New York State Department of Environmental Conservation
Benjamin Conlon, Esq. New York State Department of Environmental Conservation,
Office of General Counsel
Jim Lucari, BP
Michael Daneker, Arnold & Porter

