Honeywell
Health, Safety, Environment, & Product Safety
6100 Philadelphia Pike
Claymont, DE 19703

September 26, 2019

Charles Post
Project Manager
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Floor 11
Albany, NY 12233-1706

Subject: Tar Vault IRM Work Plan Addendum
610 Smith Street Site – NYSDEC BCP Site # C224215
Barrett Manufacturing Site – NYSDEC Site # 224197

Dear Mr. Post,

Per discussions with Parsons on August 15, 2019, please find attached the IRM Work Plan Addendum to conduct a limited water pump-down test at the tar vault at 628 Smith Street in Brooklyn, NY. This Work Plan Addendum is submitted pursuant to Order on Consent and Administrative Settlement, Index No. 2-20160111- 14, executed by NYSDEC and Honeywell International Inc., and Brownfields Cleanup Agreement No. C224215, executed by NYSDEC and 610 Smith Street LLC.

If you have any questions regarding the information provided herein, please contact me at 302-791-6738.

Regards,

Steve Coladonato
Honeywell

cc: Andrew Gugielmi, Esq., NYSDEC Office of General Counsel (letter only)
Krista Anders, NYS Department of Health
Jeremy Karpatkin, Esq., Arnold & Porter LLP
John-Patrick Curran, Esq., Sive, Paget & Riesel P.C.
George Pfeiffer, Honeywell
James O'Loughlin, Parsons
Paul Feshbach-Meriney, Parsons
Craig Butler, PE, Parsons

FORMER BARRETT MANUFACTURING SITE
NYSDEC SITE C224215
WORK PLAN ADDENDUM
TAR VAULT LIMITED WATER PUMP DOWN INVESTIGATION – 610 SMITH ST

This work plan addendum is for conducting a limited water pump down test at the tar vault located at 628 Smith Street in Brooklyn, New York.

Scope

The project scope will consist of the following tasks:

1. Prior to the pump-down test, perform monitoring of water levels using transducers / data loggers (e.g., Schlumberger Micro Diver) in the tar vault at Hatch 5 and in a nearby shallow monitoring well PMW04 on Smith Street. Additionally, deploy a Baro Diver to record changes in barometric pressure.

2. Submit the application and obtain a New York City Department of Environmental Protection (NYC DEP) Water Quality Control Application (WQCA) permit for discharging into the City Publicly Owned Treatment Work (POTW) sewer that runs along Smith Street in front of the building (see attached Figure 2). Based on analytical results from the vault water samples, the water meets the NYC DEP WQCA discharge requirements;

3. Conduct an internal TV inspection of the building discharge pipe and POTW sewer system along Smith Street, to verify that there are no obstructions and confirm the hydraulic capacity of the lines;

4. Mobilize equipment and install a T-Y sewer connection to accommodate the discharge of the water from the vault. Install submersible pumps at Hatch 3 inside the building and proceed to draw down the vault water layer by 3 feet (approximately 337,000 gallons). It is anticipated that the active pumping will be conducted over 3 separate 8-hour shifts on consecutive days. Record the water discharge rates during pumping and record the water level in the vault for the duration of the pump test. The water level in the vault will be recorded through Hatch 5 using a transducer / data logger (e.g., Schlumberger Micro Diver); a Baro Diver will also be deployed to record changes in barometric pressure. In addition, the groundwater level in shallow monitoring well PMW04 outside the vault along Smith Street will be recorded using a transducer / data logger during the pump test. These transducer / data loggers will be set to collect data for the full 3-day duration of the test (active pumping and non-pumping times).

5. Observe and photograph the tar vault interior conditions in the dewatered space, paying particular attention to evidence of water intrusion via groundwater infiltration and/or piping connections;

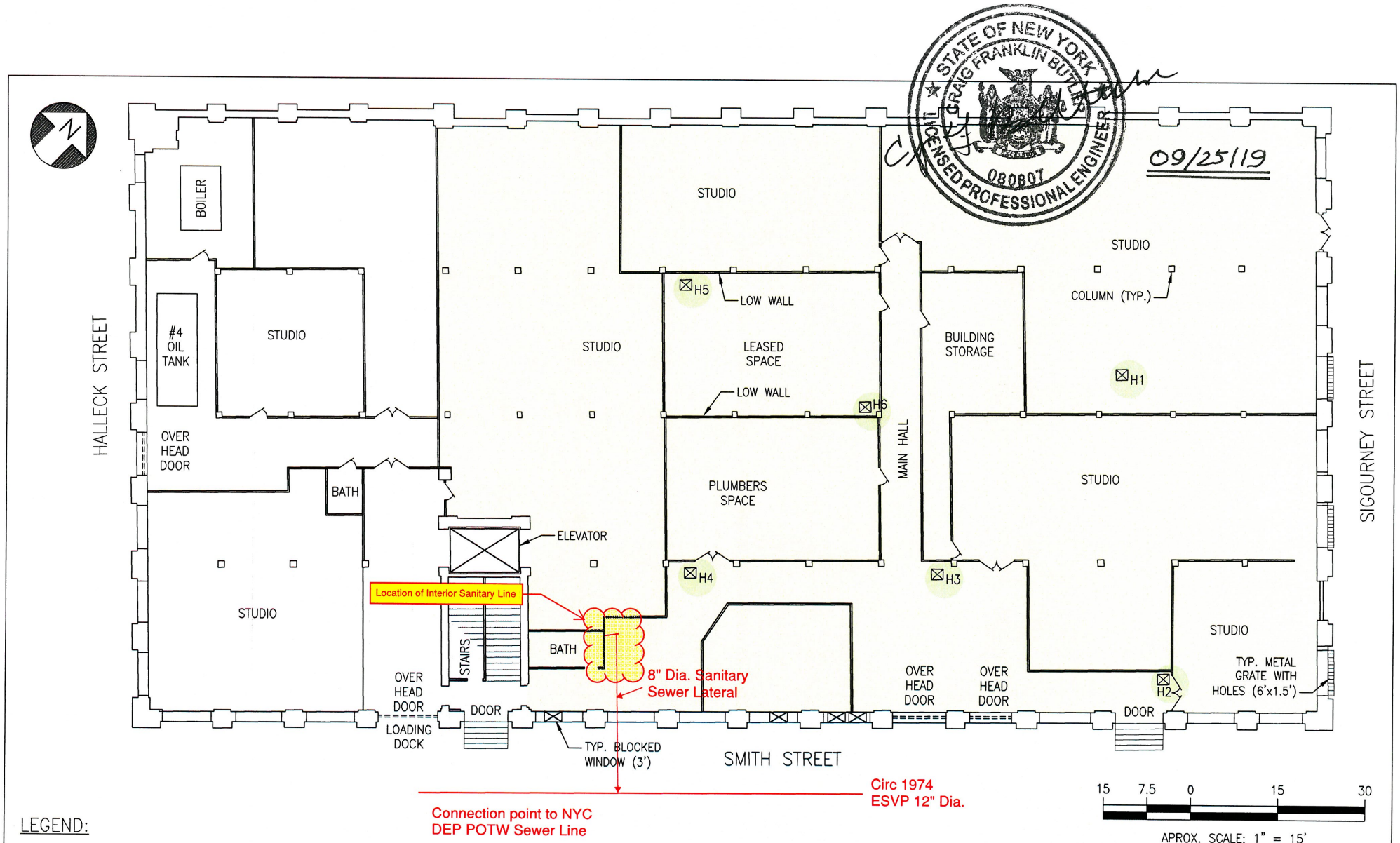
6. At the conclusion of the pump test, remove all equipment and demobilize from the site.

Report

A letter summary report will be prepared describing field activities and presenting results and observations.

Schedule

Items 1 and 2 have been initiated. It is anticipated that the pump test will be performed in September or October 2019, following approval of this Work Plan by NYSDEC.



LEGEND:

- H2 EXISTING HATCH
- TYPICAL BLOCKED WINDOW (3')
- TYPICAL METAL GRATE WITH HOLES (6'x1.5')
- APPROXIMATE EXTENT OF VAULT BELOW FIRST FLOOR

NOTE:

BUILDING LAYOUT AND INTERIOR COLUMNS WERE TAKEN FROM A 1946 ARCHITECTURAL "FIRST FLOOR PLAN" BY JUDSON E. SCHNALL & MAXFIELD BLAUFEAX ARCHITECTS. MEASUREMENTS OF INTERIOR WALLS AND OTHER FEATURES MADE USING ENGINEERS TAPE ON APRIL 19, 2017.

NO.	DESCRIPTION	DATE	DRAWN	CHK'D	APPV'D
B	REVISED	02/20/18	RR	PFM	–
A	ISSUED FOR COMMENT	05/03/17	RR	PFM	–

PARSONS
ENVIRONMENT & INFRASTRUCTURE
100 HIGH ST, 4TH FL
BOSTON, MA 02110
(617) 946-9400

DRAWING TITLE: Honeywell
1ST FLOOR PLAN FOR 628 SMITH STREET BUILDING

DRAWN BY	CHECKED BY
RR	PFM
DATE	APPROVED BY
05-03-17	PFM

DRAWING NO.: FIGURE 2
SCALE: 1" = 15'
JOB: 450881-01102

FILE NAME: P:\PIT\PROJECTS\HONEYWELL\SMITH STREET – BROOKLYN NY\CAD\AUTOCAD\TAR WELL IRM\FIGURE 2.DWG
PLOT DATE: 7/24/2018 7:52 AM PLOTTED BY: RABUFFETTI, RICH

ENGINEER'S CERTIFICATION

CERTIFICATION OF COMPLETION

I, Craig F. Butler, certify that I am currently a New York State registered Professional Engineer (P.E.) and that this Interim Remedial Measure (IRM) Work Plan Addendum; Tar Vault Limited Water Pump Down Investigation, was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the New York State Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10).

09/26/19

Craig F. Butler, P.E.
New York, No. 080807

Date

PARSONS