



September 4, 2018

Mr. Gabriel Mussio
City of Houston
PO Box 1562
Houston, Texas 77251

Re: ACT Terra Firma Application Study
City of Houston – Northeast Service Center
5614 Neches St.
Houston, Texas 77026
Terracon Project Number: 92177967

Dear Mr. Mussio:

Terracon Consultants, Inc. (Terracon) is pleased to submit this summary letter to the City of Houston (Client) documenting the results of the total petroleum hydrocarbons (TPH) and benzene concentrations in Outfall 004 at the request of the Client.

1.0 PROJECT INFORMATION

Terracon personnel performed sampling to analyze TPH and benzene concentrations in an oil/water separator at the above referenced site to document concentrations before, during, and after adding the bioremediation product ACT Terra Firma.

The first sample was collected from the oil/water separator to establish baseline levels of TPH and benzene. After the first sample was collected, 10 lbs of Terra Firma was added to the oil/water separator. The second sample was collected 3 calendar days after the addition of the Terra Firma. After the second sample was collected, an additional 10 lbs of Terra Firma was added to the oil/water separator. The third, fourth, and fifth samples were collected 7, 15, and 28 calendar days, respectively, after the initial sampling.

Terracon Consultants, Inc. 11555 Clay Rd, Suite 100 Houston, Texas 77043
P [713] 329-2596 F [713] 690 2055 terracon.com

Environmental



Facilities



Geotechnical



Materials

2.0 RESULTS

The results from the five sampling events at Outfall 004 are detailed in the table below:

Sampling Event	Date Collected	TPH Concentration (ppm)	Benzene Concentration (ppm)
1 st	7/13/2018	298.0	<0.00250
2 nd	7/16/2018	34.9	<0.00050
3 rd	7/20/2018	11.0	<0.00050
4 th	7/28/2018	20.0	<0.00050
5 th	8/3/2018	<0.0935	<0.00050

Copies of the laboratory reports from the five sampling events are attached.

3.0 STANDARD OF CARE AND LIMITATIONS

Terracon's services were performed in a manner consistent with generally accepted practices of the professional services undertaken in similar studies in the same geographic area during the same period. Terracon makes no warranties, express or implied, regarding its services, findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the summary letters.

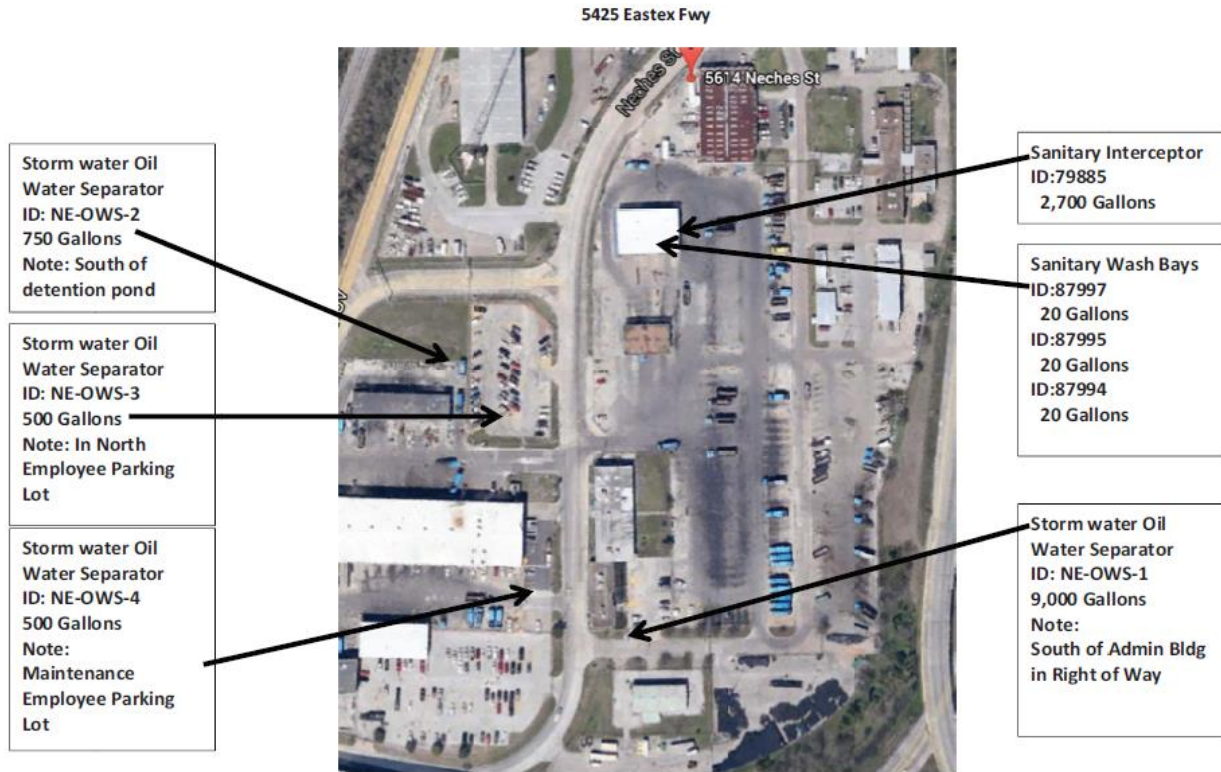
If you have any questions regarding this scope of work or we can provide additional services, please contact me at 832-783-8302.

Sincerely,

Terracon Consultants, Inc.

Matt Lundquist
Staff Scientist

Mat Knutson
Authorized Project Reviewer



Location:
Oil Water Separator #1, Northeast Service Center – OWS-1

Capacity of Oil Water Separator:
9000 Gallons