TCEQ Analysis of TCEQ Collected Surface Water Quality Sampling Data Collected on April 11, 2019 (Final Lab Results)

The Texas Commission on Environmental Quality (TCEQ) received final surface water quality data for 139 constituents at sixteen (16) different sites. One sample was collected at each site on April 11, 2019 by the TCEQ. The constituents consist of organics and oil and grease in water. The sampling sites were the following:

- GB @ Sylvan Beach
- GB @ GPS 063
- HSC @ CM 120
- HSC @ Morgans Point
- GB Texas City Dike
- GB Redfish Island
- GB Smith Point
- East Bay
- GB Seabrook CM2
- GB Bolivar
- Onshore Sampling Site 1
- Onshore Sampling Site 2
- Onshore Sampling Site 3
- Onshore Sampling Site 4
- Onshore Sampling Site 5
- Onshore Sampling Site 6

This assessment is based on final results received from the laboratory. As additional water quality sampling is completed, the data will be assessed, and results made available.

The TCEQ used the Texas Water Quality Standards and the Texas Risk Reduction Program as references for determining the known health protective concentration levels (PCLs) in surface water. PCLs are very conservative and below levels where we would expect any health impacts. The TCEQ is using these PCLs to evaluate impacts to aquatic life and human health. No public drinking water system draws its source water from the Houston Ship Channel. This methodology was also used for previously reviewed data from samples collected by ITC and will be used to review samples from the TCEQ.

Table 1: Assessment of Final Laboratory Results

	GB @ Sylvan Beach	GB @ GPS 063	HSC @ CM 120	HSC @ Morgans Point	GB Texas City Dike	GB Redfish Island	GB Smith Point	East Bay
Number of Constituents	139	139	139	139	139	139	139	139
Number of constituents analyzed but not detected (not detected above the method detection limit or quantitation limit)	139	139	139	139	139	139	139	139
Number of constituents detected above the method detection limit or quantitation limit	0	0	0	0	0	0	0	0
Number of constituents detected but below their known PCLs	0	0	0	0	0	0	0	0
Number of constituents that exceeded their known PCLs	0	0	0	0	0	0	0	0
Number of constituents that are still pending further TCEQ evaluation	0	0	0	0	0	0	0	0

Table 1 continued: Assessment of Final Laboratory Results

	GB Seabrook CM2	GB Bolivar	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
Number of Constituents	139	139	139	139	139	139	139	139
Number of constituents analyzed but not detected (not detected above the method detection limit or quantitation limit)	139	139	139	139	139	139	139	139
Number of constituents detected above the method detection limit or quantitation limit	0	0	0	0	0	0	0	0
Number of constituents detected but below their known PCLs	0	0	0	0	0	0	0	0
Number of constituents that exceeded their known PCLs	0	0	0	0	0	0	0	0
Number of constituents that are still pending further TCEQ evaluation	0	0	0	0	0	0	0	0