Douglas E Drouare, CPG
USEPA, Region 7
11201 Renner Boulevard
Lenexa, Kansas 66219

August 20, 2015

RE: Leaking Underground Storage Tank
Sac & Fox Truck Stop
1346 US Hwy 75
Powhattan, Kansas 66527

Dear Mr. Drouare,

Here is a timeline of events and actions taken regarding the ruptured fuel tank at Sac and Fox Truck Stop. Attachment number 1 is a diagram of the Truck Stop and where tanks set on the property for reference.

- July 20, 2015 Phone call from staff stating tank alarm was going off at approximately 9:30 p.m. Amanda responded by having them ck fuel levels and the North tank was below alarm level and needed fuel to siphon from the South tank. A few minutes later staff calls back and says alarm is still going off, Amanda then has them check water levels. At this time we now have a vehicle in the parking lot that will not stay running. Immediately all pumps are shut off at approximately 9:35p.m. Any car fueling with midgrade fuel during that 5 minute period would not run. Police, fire, emergency management and all other personnel needed responded. Parking lot was evacuated for everyones safety until we could assess the situation. We knew water was coming from somewhere but had no idea where from. Spent lots of time trying to determine water source. Our tank monitoring print out showed no water in the fuel at the beginning of the day.

- July 22, 2015 Robert Trump with Adler Tank Rentals, brought a Frac tank and pumped approximately 19,000 gallons of fuel and water into the Frac tank. At this time we could tell tank was ruptured and the probe was stuck in the ground from the pressure and that ground water was the responsible water source. At this time fuel needs to separate from water for 2-3 days to determine how much fuel was recovered. Then samples need to be sent for testing.

- July 24, 2015 Robert Trump with Adler returns to take samples of fuel and water for testing. We also determine that on July 20, 2015 Midgrade tank totals were 5,882.00 gallons, we sold 2185.11 gallons of midgrade fuel and that 2357.00 gallons of midgrade fuel was in the Frac tank, leaving 1339.89 gallons of midgrade fuel unaccounted for. Water and fuel samples are taken to Pace Analytical.

- July 27, 2015 Results of fuel and water samples come back from Pace Analytical.

- Fuel can be recovered but need to determine who will recover fuel from Frac tank and how to properly handle the contaminated water. Activated carbon vs. reclaim facility.

- July 27, 2015 Tankology Inc. comes to scope tanks and determine possible cause and damage. See attached diagram labeled 2. North midgrade tank is ruptured and south midgrade has a crack on top where vent pipe had been run over recently. South and north tanks are manifolded. Appears water pressure from excessive ground water caused pea gravel to erode, allowing tank to rupture.

- August 6, 2015 Estimates come from Robert Trump with Adler to determine procedure of disposing of contaminated water.

- August 11, 2015 Tribal Council approved to have midgrade fuel recovered from Frac tank by HAAG oil and to have contaminated water hauled to a reclaim facility.

- August 18, 2015 2000 gallons of fuel is recovered from Frac tank and blended with 1250 gallons of premium fuel to make fuel the correct octane level.

- August 19, 2015 Adler hauls contaminated water to reclaiming facility. Also delivers a 300 gallon bladder for the ongoing process of reclaiming fuel from ruptured tank. Waiting on estimate to purchase a diaphragm pump and a compressor.

- At this time we know that there is still fuel in the ground because we have stuck the tank. Our thought is that it is in overfill tanks and that we will recover most of the missing fuel

- Ongoing, will now start to pump bi-weekly out of ground to recover any fuel missing. Will store in bladder, let fuel separate from water and keep track of all product recovered each time. This procedure could take up to 12 months or until we can no longer recover any more fuel. After a period of time when there is no more recovery of product we will need to have soil tested.

- At this time we are possibly considering properly abandoning the North ruptured tank.

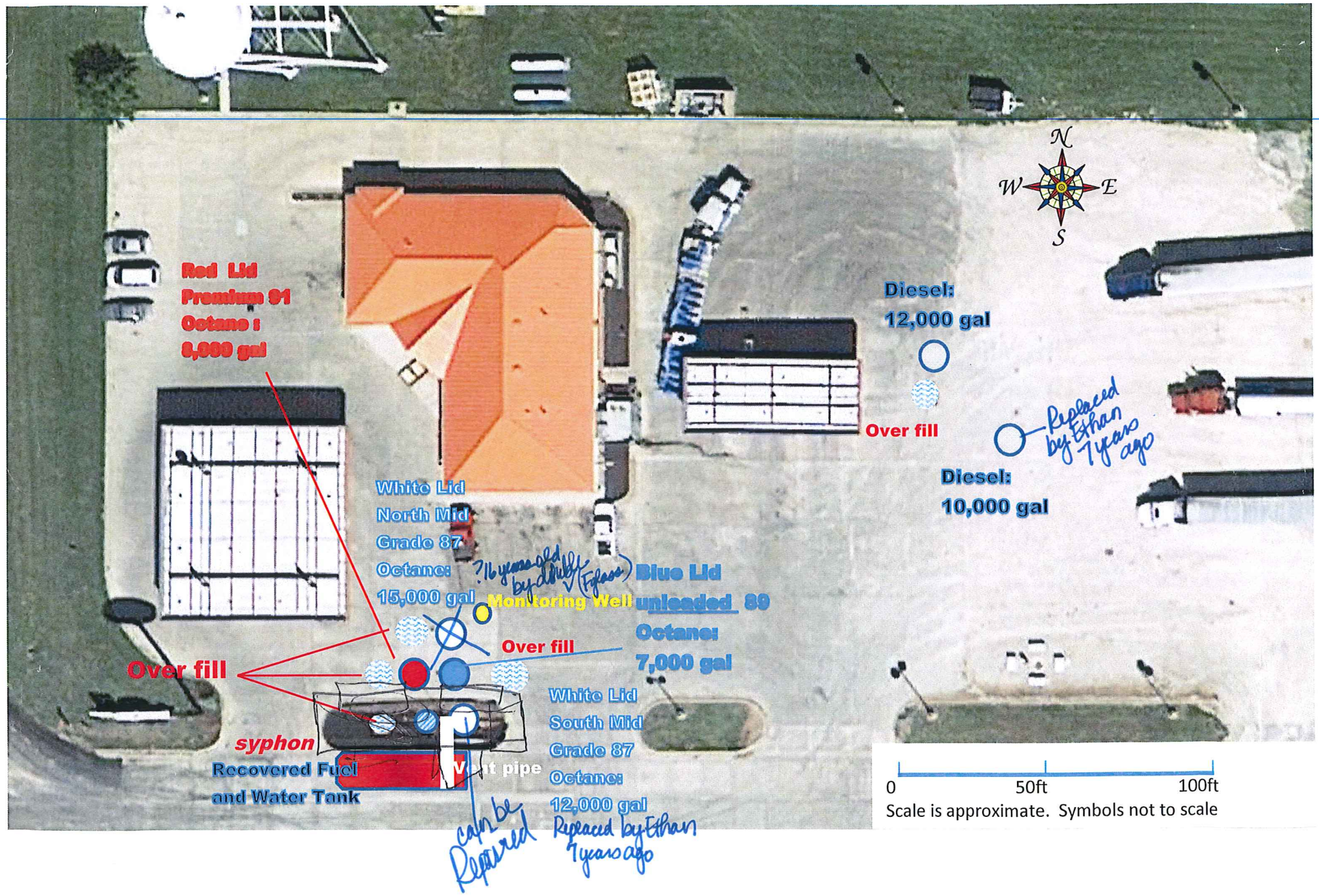
Sincerely,

Theresa Armbruster

Theresa Armbruster
Sac and Fox Truck Stop Manager

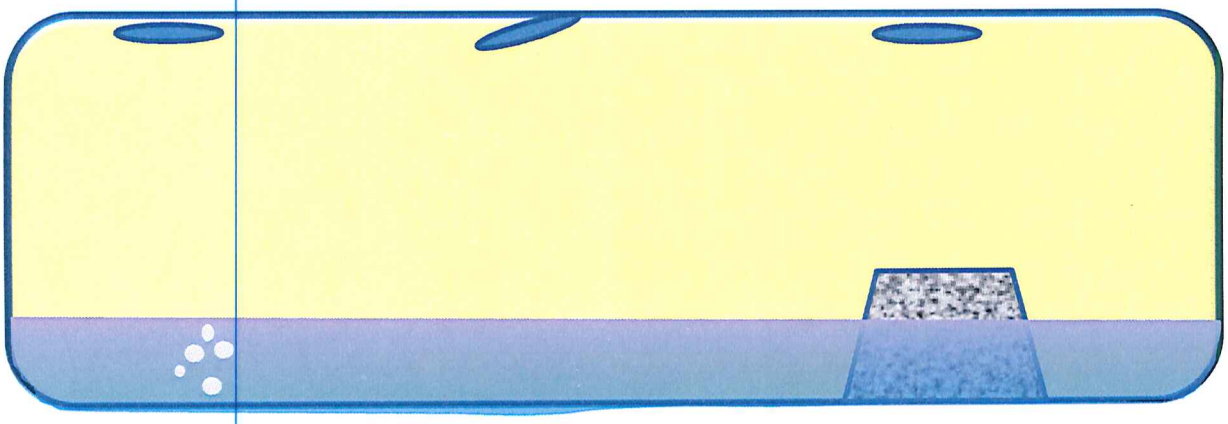
#1

The diagram below shows the location of tank failure at the Sac and Fox Truck Stop, 1375 US HWY 75. An estimated 1400 gallons of 87 octane gasoline (10%) ethanol remains unrecovered from the underground storage tank. 2 inches of gasoline remain suspended on approximately 60" of water in the monitoring well. It is assumed this relationship exists within the confines of the original tank enclosure. The water table is estimated to be 24-36 inches below the surface currently.



2

White Lid North- Mid Grade 87 Octane



A simple diagram showing the pea gravel pile from the tank rupture and the separated riser in the tank. Bubbles and ripples were also noted at the west end.