

## **8/12/16 GAS FIRE AT 4415 E. VETERANS MEMORIAL BLVD**

### **Situation Summary**

One privately owned vehicle (POV) was reported as crashing into a fuel tanker while it was refueling the gas tanks at Mickey's convenience store. This resulted in one death (the driver of the POV) and the reported discharge of ~2300 gallons of diesel fuel from the tanker, ~50 gallons of diesel fuel from the City of Killeen Fire Truck that caught on fire, and ~6,300 gallons of gasoline from the tanker. We believe that most of that discharge was burned and the rest went into Little Nolan Creek. Little Nolan Creek is approximately 0.3 miles from the crash site. Approximately 500 meters (0.31) miles of Little Nolan Creek were impacted by the tanker spill and fire fighting foam. The initial spill was contained, remediated, and the creek and soil restored.

### **08/12/2016**

0521 Director of Environmental Service (Kristina Ramirez) received activation call from the Fire Chief (Kenneth Hawthorne). Incident was reported as a fire and discharge into Little Nolan Creek due to a gas tanker exploding at the gas station on the northwest corner of VMB and Twin Creek.

0523 Public Works Incident Commander (Joe Stuart) received activation call from the Director.

0525 Public Works Incident Commander (IC-PW) notified Manager of Mowing and Drainage Services (Jeffrey Reynolds).

0530 IC-PW and Manager arrived at spill site.

0532 IC-PW and Manager inspected creek area for signs of contaminants.

0537 Manager notified Supervisor (Chris Noll) to activate Response Team 3 (ES Staff).

0600 Director arrived at spill site.

0610 ES staff searched downstream for contaminants.

0618 Director contacted City's contractor (CG Environmental) for response assistance.

0625 Director contacted Executive Director of Public Works (Scott Osburn) and notified him of actions taken, need for contract that may go over \$50K, and assignment of incident command for Public Works.

0642 Remainder of Response Team 3 and equipment arrived at spill site.

0700 CG Environmental staff arrived at spill site.

0712 Grones Environmental arrived downstream of spill site. Grones was notified that they were not acting under direction of the City of Killeen.

0720 ES staff constructs downstream earthen berm to contain fuel.

0733 Director coordinates with Bell County Emergency Response regarding environmental response contractors.

0747 Director contacted Executive Director of Public Works (Scott Osburn) and updated him on status and increased anticipated expenses.

0751 Bell County Emergency Response confirmed notification given to Grones. CG Environmental agreed to subcontract with Grones until CG Environmental's equipment arrived on site.

0805 ES Staff completed downstream earthen berm.

0826 Director reported spill to EPA hotline.

0910 Director is contacted by EPA (Brandi Todd) regarding clarification of spill.

0949 Director reported spill to Texas Parks & Wildlife hotline.

0954 Director reported spill to TCEQ Waco regional office.

0954 Structure (Gas Station) deemed unstable and demolition required by Killeen Fire Department (KFD). KFD requested assistance from IC-PW for demolition. KFD requested assistance from Traffic & Streets Crews to evaluate traffic signal and remove cable and debris laying across destroyed fire truck.

1041 TCEQ Waco regional office contacted Director for clarifications.

1045 Additional ES staff / equipment arrive on site for structure demolition.

1054 Solid Waste contacted to relocate dumpster from spill site.

1126 Texas Parks & Wildlife (Travis Tidwell) contacted Director for clarifications.

1130 Solid Waste relocated dumpster from spill site.

1143 EPA notified Director that two of their contractors would be inspecting the site.

1331 ES – Drainage Engineering staff arrived on site to take DO readings.

1332 EPA contractor (David Crowe) notified staff that they were on site. Waited for TCEQ to arrive before beginning inspection of affected area.

1334 Director contacted Director of Transportation (David Olson) requesting traffic barrels for a lane drop once the roadway was reopened.

1340 TCEQ arrived on site. Inspection of entire affected area by regulatory entities with Director & Manger.

1404 TPW arrived on site. Conducted inspection on his own and then met up with the rest of the regulatory entities, the Director, and Manager. TPW (Travis Tidwell) notified Director that due to the anticipated rain that evening, he would be conducting a dead fish survey.

1430 Dump trucks arrive on site with sand for transport of compromised air tanks.

1441 David Olson reported to the Director that they were reaching out to contractors in order to secure enough traffic control devices for the lane drop. Street Division's on call team (Taitague & Arroyo) called out to set up traffic control devices.

1514 ES staff began demolition of structure per KFD due to structural integrity.

1538 Valuables from structure removed by ES Staff and retrieved by property owner (ATM & Safe).

1603 Director contacted the Director of Water & Sewer Utilities (Steve Kana) and the Director of Water & Sewer Services (Robert White) regarding a manhole within the affected area that would need its collar repaired and to locate the sewer lines in the area where the contaminated soil was being removed.

1628 Structure demolition completed.

1700 Director received update from TPW (Travis Tidwell) regarding findings of his dead fish survey.

1713 Director updated City Attorney (Kathy Davis).

1729 Killeen Police Department (KPD) & KFD take over use of backhoe and dump truck to dispose of compromised air tanks.

1735 Traffic Employee (Carl Mafnus) was called out by David Olson to supply stop signs.

1736 Director updated EPA (Brandi Todd) as requested.

1757 ES staff moves to secondary staging area for air tank removal by McLennan County bomb squad.

1818 TPW (Travis Tidwell) notified Director that he estimated 1,000 dead fish in the affected area.

2024 CG leaves site and is scheduled to return the next day.

2103 Director called KFD Chief for situation update.

2130 Bomb squad loaded compromised air tanks into ES dump truck.

2150 ES staff loads remaining sand over compromised air tanks for transport to KPD firing range for detonation.

2205 ES Staff leaves secondary staging area. Response Team 1 was scheduled to return to the site at 9am the following day to meet with the EPA and CG Environmental.

2209 Traffic Employee (Carl Mafnus) was called out by David Olson to supply additional stop signs.

2220 Director leaves secondary staging area and turns site over to David Olson. David remained on site with Streets staff to install traffic control once the remaining containers were handled and the fire truck towed from the scene.

### **08/13/2016**

CG (Contractor) - Replaced booms. Replaced berm that had failed. Continued to remove contaminants and dead fish from the creek. Removal of contaminated soil complete. No contaminants or dead fish left the containment area despite the rain last night. Removal of diesel from dry utility manholes completed. Washed road at Twin Creek north crossing of VMB. During that time Twin Creek from VMB to Water Street was closed from ~2pm to ~4pm. The ROW area in front of the night club was cleaned and two of the driveways reopened.

Traffic employee (Carl Mafnus) and Street Division's on call team (Taitague & Arroyo) called out to set up traffic control devices and to assist with resetting lane drops. The lane drop was left in place until the new traffic control set up at the intersection can be re-evaluated. KPD originally instructed staff to place barricades on private property side of the row since the nightclub will be opening tonight. Barricades from streets were placed as instructed, however when cleaning was completed they were moved to the east side of the parking lot to surround the containers of contaminated material.

ES staff inspected creek then conducted normal storm response throughout the city. Nothing significant from the rain event to report. Staff met with EPA on site from ~10am to ~1pm. ES Staff left work at ~230pm. EPA confirmed conditions and responses are acceptable. Director remained on site until traffic control was reset and work within the row was completed.

### **08/14/2016**

CG Environmental - Pressure washed contaminated embankment and rocks. Visible contaminants on water surface recovered. Based on pressure washing results, CG left booms in place overnight as a precautionary measure and will skim the surface once more tomorrow. All dead fish were picked up and disposed of. Testing conducted. Road barricades will be removed in the morning. Site is visibly better and appears to be back to upstream baseline conditions.

Director communicated via phone and photos with EPA and CG today.

### **08/15/2016**

CG Environmental - Visually checked the booms and conducted a site assessment. They will inspect the site day to day pending test results and final decontamination of embankment and rocks. They will not be in the creek due to safety concerns as a result of the heavy rain. They did place additional booms as a precautionary measure. They have taken profile samples of the collected waste in order to get it approved & hauled off-site. That process will be on-going for the next couple of weeks. They have to take additional confirmation samples & run them in the lab to ensure the contaminated area has been excavated to proper standards. The turn-around time for the analytical results is normally 7-10 days.

They will be concentrating their efforts over the next few days to ensure the creek is taken care of and move forward from there.

### **08/24/16**

CG Environmental - Removed the booms from the watercourse and the creek appears to be back to its preexisting state. Analytical confirmation samples were taken on 08/23/16 for water and soil. Once the results are within regulatory requirements, they will schedule a day to backfill the areas where soil was removed. This will include removal of any remaining earthen berms.

We are still waiting on the liquid and soil profiles. Once those are received CG will be able to remove the storage containers off site and properly dispose of the material.

CG will be back on site to clean out the telephone manholes again. Since these manholes are not water tight they have been accumulating water as a result of recent rains. Since these manholes were originally contaminated, CG has been testing the water in the manholes. The levels are still relatively high, so CG will have to pump the contaminated water out again. In order to do this they will have to block off the northern intersection of Twin Creek and VMB. CG will coordinate with Transportation and our Police Department prior to shutting down the road next week. The closure will be similar to that which was done on Saturday 08/13/16 for approximately 2 hours.

### **09/23/16**

CG Environmental was on site this past week. They back filled the excavated area along VMB on the west side of the creek with topsoil and seed. The test results came in good, so the liquid waste containers were also removed this week from the site and disposed of properly.

### **09/29/16**

ES staff inspected the site and the grass appears to be taking well. Staff continues to work with CG on final reports and invoicing.