



# **Hulcher Services Inc. Environmental Summary**

# Environmental Services Overview

**Hulcher Services provides a broad range of environmental offerings as part of its total package of services for the railroads.**

Hulcher's professional equipment operators and laborers are located at 38 strategically located divisions around the U.S., Canada and Mexico, with technical oversight from dedicated environmental professionals stationed at three locations and our corporate office. Hulcher can perform a variety of environmental services, including:

- Site Remediation / Construction
- Demolition
- Tank Pulls
- Drainage
- Pond Closure
- Installation of Containment Systems
- Spill Clean-up
- Waste Excavation



## Equipped for success

Hulcher maintains an inventory of more than 250 pieces of heavy equipment at their 38 divisions. Our fleet includes traditional heavy equipment like sidebooms, cranes, excavators, dump trucks, dozers and track / wheel loaders, and more specialized hardware including the Panel Boss®, pile driver, undercutter, Air Spade®, grapple truck and vacuum truck.



At select divisions we also maintain specialized equipment like emergency response trailers, mobile command centers, food vans (mobile dining facilities) - even our own jet for delivering backup and replacement crews in emergency situations.

## Railroad expertise sets us apart

Many companies offer environmental services, but few are qualified to work in a railroad environment. Hulcher's equipment operators are some of the best trained and most experienced railroad professionals in the industry. They have received training in railroad applications, are current in safety and security certification requirements for all Class 1 railroads, and have spent years perfecting their craft in maintenance-of-way environments. Our environmental professionals have decades of environmental AND railroad experience and are experts you can trust to deliver quality leadership on your projects.



# Project Summaries

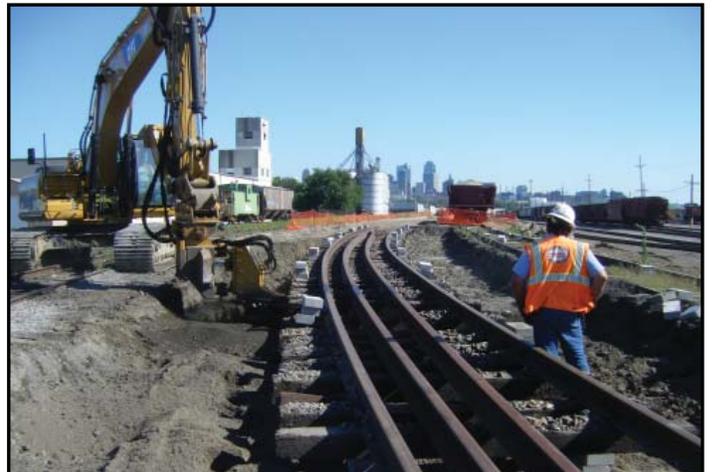
## Pond Closure

A company required remediation of a closed pond at a chemical manufacturing facility in Mississippi. Hulcher was selected to perform this work as part of a competitive bidding process. Hulcher stabilized the pond bottoms, placed and regarded site fill material, placed sand and clay to designed elevations, constructed and installed a treatment amendment delivery system, reconstructed a drainage sewer and outfall, and placed topsoil and seeding.



## Arsenic Contamination at a Rail Yard

Arsenic contamination was discovered at a rail yard. Hulcher was selected as the contractor following a competitive bidding process. We removed, stockpiled, transferred and disposed 20,000 tons of contaminated soil and sub ballast. Part of the project involved performing chemical stabilization, and we also assisted the railroad in removing and replacing large stretches of track. Hulcher's railroad experience was invaluable for this project - the contamination was in an active part of the yard and we were able to maintain the crucial track serviceability during soil removal via undercutting. Hulcher also secured a local source for new sub ballast during this project. By using a local source and not bringing the ballast in from another location, the railroad saved over \$100,000 and improved project performance by having a more efficient, reliable supply of materials.



## Oil Station / Sand Tower Demolition

Hulcher was chosen to demolish the railroad's sand tower and adjacent oil filling station. The tower was brought to the ground, dismantled and removed for recycling. We managed the permitting, handling and disposal of asbestos in the station. The asbestos-laden materials were disposed of in compliance with all regulatory requirements. Part of the filling station demolition involved removal of a 3,000 gallon storage tank, emptying 800 gallons of oil from the tank, then hauling the oil to another facility for reuse. After all materials were removed from the site, it was cleaned and regraded. Hulcher demoed the structures in three days, and through resourceful salvaging we minimized disposal costs and the amount of materials sent to the landfill.



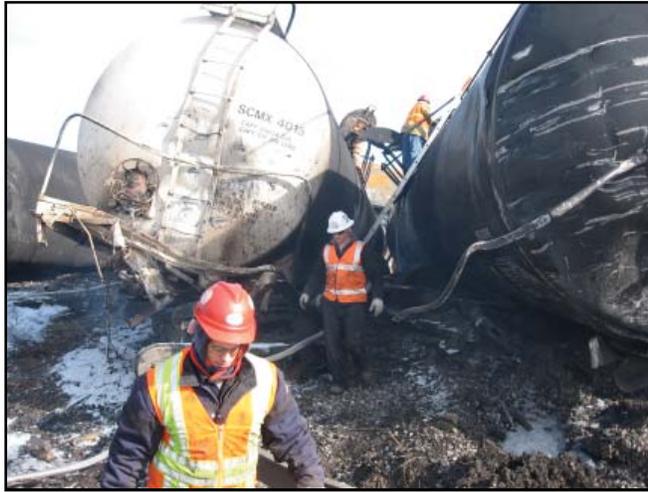
## Rehabilitating Containment System for Bulk Storage Diesel ASTs

A railroad identified a need for rehabilitation of the containment system for two one-million gallon bulk storage diesel ASTs. Hulcher's crews regraded the site to remove the old system and prepare the area. The entire dike area was then lined with an engineered bentonite liner system, which provides a natural, effective barrier to prevent spills or run-off from seeping into the surrounding soil. As part of the project, Hulcher rebuilt the sump headwall system to move outflow to the industrial wastewater system for pre-treatment, and installed new discharge lines. Hulcher completed this project on schedule and within budget as part of a total package of support services we provide to the railroad on a daily basis.



## HAZMAT Derailment

A railroad suffered a multi-car hazmat derailment. A mass evacuation of the area was ordered as a result of a major fire and various hazardous materials, including methoethyl ketone, butadiene, malaic anhydride, lube oil and other products. Hulcher assisted in the initial emergency response with trained responders and a full complement of heavy equipment. We worked with the railroad to complete the safe burning of compromised product. We recovered miscellaneous product from a nearby creek, performed solidification of recovered product, remediated the entire site and performed site restoration. Hulcher provided a turnkey solution for this significant derailment, performing all the necessary tasks to manage and resolve the situation, including restoring residents' yards and caring for local livestock to help the people who had been evacuated.



## Multiple Building Demolition

The railroad needed a contractor for the demolition of several buildings, including an 80' tall wood grain elevator along one of their leased properties. Hulcher demolished the buildings and managed the universal waste for this \$100K project, delivering the work on time and within budget as part of the total package of services we provide to the railroad every day.



## Industrial Remediation

A five-acre property had previously been used as a salvage yard where battery and metal recycling took place. The site was contaminated with lead and other pollutants, such as chromium, mercury, cadmium, arsenic and copper. We deployed excavators, cement trucks, haul trucks and a dozer, wheel loader, water truck and dump truck for this ten-week project. Crews removed the top layer of soil, piling it into rows of 50-cubic-yard piles. The piles were then tested for contaminants. We injected and mixed cement and water into contaminated piles to neutralize and encapsulate the lead. The piles were tested again to ensure the soil met the state's standards before crews loaded the dirt into haul trucks for transport to the landfill. Ultimately we remediated and removed 13,500 tons of dirt from this job site.



## Above-ground Storage Tank Removal

A railroad's environmental group wanted three diesel and lube oil above-ground storage tanks (ASTs) at their storage yard to be removed. While the 63,000 gallon ASTs were no longer in use, they were still connected to fueling stations and remained a risk for leaking. We performed the work in three phases. First, they vented the tanks and cut access holes. Two workers who were trained in Confined Space Operations cleaned the tank interiors with a pressure washer to remove residual oil and sludge, which was collected by a liquid vacuum truck. Workers also removed overhead piping from the fueling stations. For the second phase, we deployed two sidebooms to lift the tanks and place them on trucks, which transported them (and the overhead piping) to scrap yards. To complete the project, we deployed a track hoe, cement breaker and back hoe to demo the retaining wall. They loaded the debris onto trucks for delivery to a cement recycling plant.



## Contaminated Soil

Previous maintenance undercutting by the railroad had removed contaminated soil along a stretch of track spanning several miles. Hulcher was awarded this project through a competitive bidding process. The project involved stockpiling, testing, transporting and disposing of several thousand tons of contaminated soil along with chemical stabilization in some spots. Our extensive experience with the railroads allowed us to work around the train schedule effectively by coordinating with railroad personnel. We were able to manage the track time available to us so we could finish the project quickly and effectively, thus reducing potential costs related to delay.

## Concrete Headwall Reconstruction

A railroad discovered that historical diesel was leaking into a box culvert system. The run-off was leaking through cracks and joints and getting into the waterway. After a competitive bid process Hulcher was selected for the project, and we deployed a skid steer and track hoe along with an environmental professional and support crew. The crew constructed a new concrete headwall for the culvert. They repaired and sealed cracks and joints, and engineered a lining system to the box culvert to improve the system's long-term resistance to leakage. To capture the diesel that had formerly been going into the waterway, we built a leachate collection system into the headwall, to collect run-off and pump it into the industrial wastewater system for pretreatment.

## UST Farm Remediation

The railroad discovered a farm of six 3,000-gallon underground storage tanks (USTs) on its property. Hulcher deployed a vacuum truck and excavator to remove the UST farm. The vacuum truck extracted the water and sand from the USTs. The crew then rinsed out the tanks and collected that water with the vacuum truck as well. This process was repeated several times to ensure the tanks were cleaned of all residual materials. With the USTs cleaned, the excavator demolished the concrete around the tanks and removed them from the ground. The excavator then placed fill dirt into the holes left by the tanks to make the area usable by the railroad. All collected water, solids, absorbent mats and PPE materials, concrete and the tanks themselves were turned over to licensed waste hauling contractors for proper disposal.



Analysis, containment, treatment, transport, and disposal of material are each conducted in full compliance with relevant federal and applicable state laws/regulations (licensing, permitting, procedural and operational protocol) which sometimes requires the participation of fellow contractors engaged by the customer and/or Hulcher subcontractors.

