

Tank and Petroleum Use Mishaps

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<http://groups.yahoo.com/group/DangerousGoods/>

USA. N.Y, CAYUGA CO, AURELIUS

SEPTEMBER 22 2011.

COMPANY TAKES OVER GAS SPILL CLEANUP

Nate Robson

The state Department of Environmental Conservation said Wednesday that it does not appear a ruptured fuel line that spewed thousands of gallons of gasoline into an Aurelius crop field Tuesday will have a significant environmental impact.

Diane Carlton, a spokeswoman for the DEC, said on Wednesday that the biggest environmental concern is well water contamination in the immediate area of the spill, but added that officials do not believe any gasoline made it into the water table or any protected streams.

Officials estimate that approximately 3,360 gallons of fuel spilled, and that approximately 1,000 gallons of standing field water were contaminated. Close to 2,750 gallons of gasoline were cleaned up by 5 p.m. Wednesday.

"Yes, it was a large spill. That's the bad news," Carlton said. "The good news is it looks like we were able to contain it before it made it into any protected water."

The cleanup includes sucking up all the fuel and contaminated water in addition to removing the contaminated top soil, Carlton said. The owner of the pipeline, Buckeye Partners L.P., has hired two companies to conduct the cleanup.

The county Health Department issued a press release Wednesday saying that six drinking wells near the spill have been identified as having the greatest risk of contamination. Samples from the wells will be collected and tested for at least the next seven days.

Depending on the results of those tests, health officials will determine if the testing area needs to be expanded.

Until results are obtained, health officials recommend that residents in the area of the spill who are concerned about their well water use bottled water for any household needs. If well water has a sheen, odor or taste of gasoline, residents are advised not to use the water.

Emergency officials said an underground fuel line was severed by a farmer Tuesday who was installing drainage pipe in a field near the Turnpike Road and Townsend Road intersection. It took officials close to 45 minute to close off the pipe.

Buckeye officials believe that up to 80 barrels of fuel spilled when the 10-inch pipe was hit at approximately 10:26 a.m. Each barrel holds 42 gallons of fuel.

The line was temporarily repaired at 11:45 p.m. Tuesday, and Buckeye Partners is working on a permanent fixture. The line was also already shut down after it was hit, and the pipeline is expected to remain off-line until at least Friday.

On Tuesday, Brian Dahl, the director of the county's Emergency Management Office, said that Buckeye may have mislabeled the digging area for the farmer, Tod Dumont, who was leasing the field.

On Wednesday, Buckeye officials said the area was properly marked, and that those markings are clearly visible at the dig site. Officials added that the markings for the dig site expired in accordance with the state's Dig Safely New York program.

Officials said a call was made with Dig Safely New York on July 28 and the gas line was marked shortly

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thereafter. Those markings are good for 10 days and after that, a new call should have been made to Dig Safely New York.

Dahl was not available for comment Wednesday.

The DEC will handle the investigation to determine if the spill was accidental or if anyone is at fault, but officials said it's too early to discuss if anyone will be cited.

Tuesday's spill forced the temporary evacuation of almost 70 homes, but residents were allowed to return later that evening.

Lt. Michael Wellauer, of the Cayuga County Sheriff's Office, said Turnpike Road between Townsend and Beach roads remains closed as contractors continue cleanup efforts. The road is expected to remain closed at least until Thursday afternoon, and Buckeye Partners is installing a parking area along the road for their equipment.

http://auburnpub.com/news/local/article_86a540b2-e4c9-11e0-8439-001cc4c03286.html?mode=story#ixzz1dhnuFVHI

USA, KS, WICHITA

SEPTEMBER 27 2011.

FEDS SUE COFFEYVILLE REFINERY OVER 2007 OIL SPILL

Roxana Hegeman

The Justice Department has sued the Coffeyville refinery for more than \$4.18 million in civil penalties and clean-up costs stemming from a 2007 oil spill into floodwaters of the Verdigris River, plus additional, unspecified fines for other environmental violations.

A civil complaint filed Friday in U.S. District Court also seeks a court order forcing Coffeyville Resources Refining & Marketing to comply with numerous environmental regulations designed to prevent additional spills or damage.

Company spokesman Steve Eames said Monday that the company is aware of the lawsuit but hasn't yet seen it.

"We are working diligently to clean up any remaining issues," Eames said, declining further comment.

About 2,145 barrels of oil leaked from the refinery into the river during flooding in July 2007, according to the complaint. The government is seeking up to \$1,100 in civil penalties for each barrel spilled, a figure amounting to nearly \$2.36 million.

Most of the spill involved crude oil that overflowed an above-ground storage tank. But some diesel oil leaked from another storage tank that was moved off its foundation by floodwaters. The refinery's sewer system also flooded, discharging some oily water, according to the complaint.

Along with the civil penalties for each barrel spilled, the government is seeking reimbursement for \$1.82 million spent to clean up the spill.

The Environmental Protection Agency conducted flyovers of the flooded area to determine the extent of contamination, deployed containment booms and absorbent pads and sent in boats with portable skimmers and vacuum trucks, the lawsuit says. More than 100 EPA clean-up technicians were sent to the spill, and the agency hired others to monitor drinking water intakes along the river.

The Justice Department also claims Coffeyville Resources violated various sections of the Clean Air Act, the Clean Water Act and the Oil Pollution Act before and after the spill. Among other things, it says the company didn't have a so-called risk management program, didn't meet requirements for hazard assessments and violated prevention program requirements. It also says the company didn't have written procedures for an emergency shutdown or investigated incidents that could have resulted in catastrophic spills.

If the court agrees, it could impose fines ranging from \$27,500 to \$37,500 per violation. That would be on top of penalties, if any, assessed for the 2007 spill.

It isn't clear in the government's lawsuit which of the numerous environmental statutes cited in the complaint it believes the company is still violating.

The lawsuit simply asks the court to order the company to take appropriate measures to correct past violations, prevent future violations and mitigate the effects of its violations.

<http://www.chron.com/news/article/Feds-sue-Coffeyville-refinery-over-2007-oil-spill-2189464.php>

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USA, IA, BETTENDORF

SEPTEMBER 27 2011.

BETTENDORF COMPANY PAYS \$50K FOR OIL LEAK

Lynda Waddington

Sivyer Steel Corporation of Bettendorf has agreed to pay a \$54,786 penalty and clean up residual used oil that may have leaked from its storage tanks as part of settlement with the U.S. Environmental Protection Agency.

According to an administrative consent agreement filed by the EPA in Kansas City, Kan., an inspection at Sivyer Steel in March 2010 found several violations of the federal Resource Conservation and Recovery Act, which regulates the storage, treatment, transportation and disposal of hazardous waste. Inspectors cited the company, which produces and finishes steel castings, for operating without proper permits and failures to comply with hazardous waste generator, used oil and universal waste requirements.

As part of the settlement, the company must act within 30 days to demonstrate that its used oil containers and universal waste lamp containers are properly maintain and labeled, and show that all areas of its facility contaminated by leaks of used oil have been cleaned up. Sivyer Steel must also notify the EPA of the existence of any additional area at its facility that may be contaminated by leaked used oil, and take appropriate action to address them.

Last summer the company struck an agreement with the Iowa Department of Natural Resources to remove over a four-year period a large pile of used foundry sand at its facility along the Mississippi River. The sand is used in molds to make castings, being contaminated in the process, and was in violation of state regulations that prohibited more than a six-month supply to be stored. In moving the sand to other property, the company also agreed to create a 5-foot buffer of uncontaminated dirt between the sand and groundwater.

<http://iowaindependent.com/61474/bettendorf-company-pays-50k-for-oil-leak>

SCOTLAND, ORKNEY

SEPTEMBER 30 2011.

DISTILLERY FINED FOR LEAKING 4000 LITRES OF DIESEL INTO CANAL

SEPA OFFICERS TRACED THE OIL BACK TO A TRIBUTARY OF CANAL AND HIGHLAND PARK DISTILLERY IN ORKNEY

A distillery company has been fined £15,000 after nearly 4000 litres of diesel leaked into a canal.

The Scottish Environment Protection Agency (Sepa) said it was contacted by a member of the public in October last year about a layer of oil visible on the surface of the Crantit Canal in Kirkwall, Orkney.

Sepa officers traced the oil back to a tributary of the canal and further investigation of the source led them to the Highland Park Distillery.

Analysis confirmed there was a match between the diesel taken from the water and a sample taken from the distillery.

Operators found a leak in the fuel delivery pipework between the fuel tank and the company's boiler house, Sepa said.

In August, Highland Distillers Limited admitted failing to comply with the conditions of its water use licence at Kirkwall Sheriff Court.

The company was fined £15,000 on Wednesday by Sheriff Graeme Napier after admitting three charges of contravening the licence, which ultimately led to the pollution of the canal between September 1 and October 28, 2010.

Erica Harrap, Sepa's reporting officer, said: "Diesel can have a severe polluting effect if it enters the water environment. The oil forms a film over the water, resulting in low levels of oxygen which can lead to the death of fish and invertebrates.

"A Sepa survey of the Crantit Canal confirmed that the ecology of the watercourse had been affected.

"Due to the length of the watercourse affected, the extent of the ecological damage and the visible pollution, the release of diesel fuel oil into the Crantit Canal was categorised as a major environmental incident."

A spokesman for Highland Distillers said: "As soon as the source of the leak was identified the company notified Sepa, took immediate steps to clean up the effects of the leak and repaired the malfunctioning pipe.

"We are pleased that there is no lasting damage to the environment as a result of the leak.

"New processes have also been put in place to reduce the chance of this type of incident recurring."

He added: "Highland Distillers has a record of no prior convictions or enforcement actions by Sepa. We would like to reassure local residents of our strengthened commitment to the environment on Orkney."

<http://news.stv.tv/scotland/north/272536-distillery-fined-for-leaking-4000-litres-of-diesel-into-canal/>

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USA, IN, GOSHEN

OCTOBER 4 2011.

INDIANA INVESTIGATING AMMONIA LEAK THAT INJURED 4 TANK EXPLODES DURING WELDING

The state is investigating an explosion at a northern Indiana fertilizer distribution plant that injured four people, including two who were in critical condition Tuesday at a Fort Wayne hospital, and caused an ammonia leak.

Indiana Occupational Safety and Health Administration investigators were at T & T Fertilizer southwest of Goshen on Tuesday, IOSHA spokeswoman Chetrice Mosley said. Authorities say four workers of T & T Fertilizer and Southwest Welding in Goshen were injured when a tank exploded during welding Monday.

St. Joseph Hospital spokeswoman Shelly Lybarger says 24-year-old Adrian Martin and 16-year-old Anthony Rodes were in critical condition Tuesday. A person answering the telephone at Southwest Welding identified them as employees.

The conditions of the other two workers were not available because their names had not been released. There was no answer at T & T Fertilizer on Tuesday.

Authorities said the explosion caused about 2,000 gallons of ammonia to leak from the tank. Rob Elstro, a spokesman for the Indiana Department of Environmental Management, said most of the leaked ammonia was contained by a concrete pad and wall that surrounds the tank where the leak occurred. He said some ammonia spilled over the side onto surrounding gravel. That gravel was scraped up and put on another concrete slab and was being cleaned Tuesday, he said.

The runoff from that was put into T & T application trucks and being applied to nearby farmland "to help with some local farmers," Elstro said.

A review of OSHA records showed that neither T & T Fertilizer nor Southwest Welding had any safety violations over the past five years. Neither had notified IOSHA about the accident within eight hours of the accident as required by law, Mosley said. IOSHA was notified of the accident by IDEM, she said. She said the potential fine for failing to report an accident depends on the findings of the investigation.

http://news.officialwire.com/main.php?action=posted_news&rid=63106

USA, MO, TROY

OCTOBER 6 2011.

GAS TANK EXPLOSION IN TROY, MO., INJURES WORKER

A Lenexa, Kan., man was severely burned by a vapor explosion in an underground gasoline tank at 8:11 a.m. Tuesday, firefighters said.

The explosion came from a 6,000-gallon tank at Hilltop Phillips 66, 201 South Lincoln Drive in Troy, as Mark Freeman was preparing to enter it to perform service work, said Fire Marshal Barry Nuss, of the Lincoln County Fire Protection District.

Heat from a halogen work light that was lowered into the tank ignited gasoline vapors, Nuss said. He said the explosion was accidental.

He said Freeman sustained a head injury and severe burns to several areas of his body. He was taken by ambulance to Mercy Hospital St. Louis in Creve Coeur. A hospital spokeswoman said he was in satisfactory condition as of this afternoon.

http://www.stltoday.com/news/local/stcharles/article_77e049fc-ef71-11e0-82cf-001a4bcf6878.html#ixzz1dzoXzG9Q

NEW ZEALAND

OCTOBER 7 2011.

10 LARGEST OIL SPILLS IN HISTORY

Gulf War, 1991

Kuwait

240 to 336 million gallons

As Iraqi forces retreated from Kuwait during the first Gulf War, they opened the valves of oil wells and pipelines in a bid to slow the onslaught of American troops. The result was the largest oil spill history has seen. Some 240 million gallons of crude oil flowed into the Persian Gulf. The resulting oil slick spanned an area just larger than the size of the island of Hawaii.

However, the largest oil spill the world has seen exacted little permanent damage on coral ecosystems and local

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fisheries, according to a report by the Intergovernmental Oceanographic Commission at Unesco.

Deepwater Horizon 2010

Mexican Gulf

210 million gallons

The BP oil spill flowed for three months, becoming the largest accidental marine oil spill in the history of the petroleum industry. The spill stemmed from a sea-floor oil gusher that resulted from the April 20, 2010, explosion of Deepwater Horizon, which drilled on the BP-operated Macondo Prospect. The explosion killed 11 men working on the platform and injured 17 others.

On July 15, 2010, the leak was stopped by capping the gushing wellhead, after it had released about 4.9 million barrels of crude oil. An estimated 53,000 barrels per day escaped from the well just before it was capped.

The spill caused extensive damage to marine and wildlife habitats and to the Gulf's fishing and tourism industries. Skimmer ships, floating containment booms, anchored barriers, sand-filled barricades along shorelines, and dispersants were used in an attempt to protect hundreds of miles of beaches, wetlands, and estuaries from the spreading oil. Scientists also reported immense underwater plumes of dissolved oil not visible at the surface as well as an 80-square-mile "kill zone" surrounding the blown well.

Ixtoc 1 Oil Well, 1979

Bay of Campeche, Mexico

140 million gallons

In June 1979, an oil well in the Bay of Campeche collapsed after a pressure buildup sparked an accidental explosion. Over the next 10 months about 140 million gallons of crude spouted into the Gulf of Mexico from the damaged oil well. In order to slow down the flow of oil from the damaged well, mud and later steel, iron and lead balls were dropped down its shaft. The resulting slick measured 1100 square miles.

Atlantic Empress, 1979

Trinidad and Tobago, West Indies

88.3 million gallons

One stormy evening in July 1979, two full supertankers collided off the coast of Tobago in the Caribbean Sea, precipitating the largest ship-sourced oil spill in history. Crippled by the accident, both vessels began to leak their crude and caught fire. One of the tankers exploded 300 nautical miles offshore, killing 26 crew.

Luckily, only minor shore pollution was reported on nearby islands.

Fergana Valley, 1992

Uzbekistan

87.7 million gallons

Nearly 88 million gallons of oil spilled from an oil well in Fergana Valley, one of Uzbekistan's most active energy- and oil-refining areas. While the spill didn't get much press at the time, it is the largest inland spill ever reported. The ground absorbed this spill, leaving nothing for cleaning crews to tackle.

Nowruz Oil Field, 1983

Persian Gulf

80 million gallons

During the Iran-Iraq War, an oil tanker crashed into the Nowruz Field Platform in the Persian Gulf and knocked it askew, damaging the well underneath. The oil well then leaked about 1500 barrels a day, but because it was in the center of a war zone, seven months went by before it was fixed.

ABT Summer, 1991

Off the coast of Angola

80 million gallons

En route to Rotterdam, the fully loaded tanker ABT Summer experienced an explosion onboard and caught fire while it was 900 miles off the coast of Angola, leaking its payload into the ocean. Surrounded by a growing oil slick that spanned 80 square miles, the tanker burned for three days before sinking. The oil is thought to have been broken up by high seas at little environmental cost, thanks to the incident's offshore location.

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Castillo de Bellver, 1983

Off Saldanha Bay, South Africa

78.5 million gallons

The tanker caught fire about 70 miles northwest of Capetown, South Africa, on August 6, 1983. The blazing vessel was abandoned and drifted offshore until it eventually broke in half. The stern capsized and sank into the deep ocean. The vessel was carrying nearly 79 million gallons of crude at the time of the accident. About 1500 gannets that happened to be gathered on a nearby island, gearing up for their breeding season, were oiled, but the impact on local fish stocks was minimal.

Amoco Cadiz, 1978

Off Brittany, France

68.7 million gallons

The tanker ran aground off the coast of Brittany after its steering failed in a severe storm. Its entire cargo of 246,000 tons of light crude oil was dumped into the roiling waters of the English Channel, with the grim consequence of killing off more marine life than any other oil spill to date at the time. Cleanup efforts were foiled by strong winds and heavy seas and less than 3300 tons of dispersants were used.

Odyssey Oil Spill, 1988

700 nautical miles off the coast of Nova Scotia, Canada

43 million gallons

In November 1988 the Liberian tanker Odyssey, virtually full to the brim with North Sea crude oil, broke in two and sunk in the North Atlantic 700 miles off the coast of Nova Scotia.

<http://www.telegraph.co.uk/news/worldnews/australiaandthepacific/newzealand/8812598/10-largest-oil-spills-in-history.html>

USA, OK, DEL CITY

OCTOBER 7 2011.

OIL TANK BATTERY FIRE EXTINGUISHED

A TANK BATTERY CAUGHT FIRE THURSDAY MORNING BUT HAS BEEN PUT OUT. NO ONE WAS INJURED IN THE DEL CITY FIRE.

An oil tank battery caught fire Thursday morning but has been extinguished, a Del City fire spokesman said.

No injuries were reported, said fire Maj. Brandon Pursell.

Firefighters extinguished the blaze at NE 10 and Vickie Drive.

The tank was empty but previously had contained jet fuel, Pursell said. It had been empty since 2003. Workers were trying to demolish the tank when it caught fire. He did not have a damage estimate.

NE 10 between Sooner Road and Vickie was closed while firefighters put it out, Pursell said.

<http://newsok.com/oil-tank-battery-fire-extinguished/article/3610815#ixzz1dzpkhMGG>

USA, MN, MANKATO

OCTOBER 12 2011.

BAD GAS BLENDS CAUSED WEEKEND CONFUSION

Mark Fisichenich

An unknown number of Mankato-area drivers got more ethanol than they bargained for starting Friday and continuing through the weekend at many area convenience stores.

The Magellan Midstream Partners terminal on Highway 68 west of Mankato mistakenly added ethanol at too high a rate to its fuel blends delivered from around noon Friday until the problem was discovered and stations were notified Monday. All of the Kwik Trip stores in Mankato received the mixture with elevated levels of ethanol, but neither the convenience store chain nor Magellan would say how high the percentage of alcohol might have been in the compromised fuel.

"We have sent samples to a laboratory to determine the range of ethanol content," said Bruce Heine, a spokesman for Tulsa, Okla.-based Magellan. "We do not have results at this time."

One customer who bought gas over the weekend was told by a station employee Monday that the ethanol concentration may have been as high as 65 percent for some customers. Gasoline typically has 10 percent ethanol.

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Whatever the concentration of the ethanol in the gasoline delivered by Magellan, the concentration pumped into vehicles would vary based on how much fuel was already in an individual station's storage tanks when the bad blend was added.

Kwik Trip and other affected stations suspended sale of fuel Monday after learning of the problem. But at least some storage tanks at every store had been pumped clean and new fuel pumped in by noon Tuesday, allowing sales to resume on some grades.

"We found out about that (Monday) and did the right thing as far as closing off our fuel lines and not delivering product," said Steven Wrobel, a spokesman for Kwik Trip.

The chain's five Mankato stores and its Owatonna stores were definitely affected, Wrobel said. Kwik Trips in St. Peter, New Ulm, Fairmont and Belle Plaine may also have received some of the improper blend.

Magellan didn't respond to requests from The Free Press for a comprehensive list of the stations that received the fuel, but the number appears to be large.

Other stations reportedly affected were SuperAmerica in Mankato and North Mankato, the Lor Ray Deli Mart and the hilltop Quick Mart on Madison Avenue.

Several chains said they didn't receive any of the inaccurately blended fuel, including Holiday Station Stores, Casey's and the Shell station on Poplar Street near downtown.

"No bad gas here, man," a Shell employee said.

But that doesn't mean the station was unaffected. With other stations unable to sell anything but E-85 and diesel — including the dominant chain in town — the remaining stations were flooded with customers.

"I was busy as heck," the Shell worker said.

Magellan has shut down the gasoline operation at its Mankato facility, formerly known as the Williams Pipeline, Heine said. Replacement gas is being delivered from facilities in Mason City, Iowa, and Minneapolis.

Heine had no details on how the higher levels of ethanol ended up in the fuel delivered over the weekend or on how many gallons were delivered.

"The cause of the incident is under investigation at this time," he said.

The temporary fuel shortage — and the need for Magellan to truck it from Mason City and Minneapolis — didn't drive up pump prices on Tuesday. With fuel to sell again, Kwik Trip, Quick Mart and others were selling at \$3.38 per gallon — about a 7-cent discount from prices immediately before the incident.

<http://mankatofreepress.com/latestnews/x744030659/Through-weekend-some-Mankato-area-drivers-received-bad-gas-blend>

INDIA, MANGALORE

OCTOBER 19 2011.

EXPLOSION AT MRPL SITE KILLS ONE.

A worker was killed and at least three others injured, one of them critically, when paint caught fire at a construction site of the Mangalore Refinery and Petrochemicals Ltd. (MRPL) on Tuesday morning.

A group of workers was applying paint to a huge over-ground crude oil tank as part of the third phase expansion of MRPL, according to M.R. Zhadke, site in-charge of Offshore Infrastructure Ltd., which is building three tankers for MRPL at the site. He told The Hindu that a spark from nearby "cutting work" led to the accident.

The site is within a radius of one km from the main refinery. The tank under construction is near the main entrance of MRPL in Bala village near here.

Mediapersons were not allowed to take a close look inside the tank, apparently made of metal, stating there is no safety clearance to do so.

The deceased has been identified as Munna Kumar from Bihar. One of the injured, Rahim of Bidar district has been admitted to A.J. Hospital with severe burn injuries. Doctors described his condition as serious.

<http://www.thehindu.com/news/cities/Mangalore/article2548802.ece>

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USA, OH, MORAINE

OCTOBER 21 2011.

NEARLY 3,000 GALLONS OF DIESEL SPILLS

An estimated 2,000 to 3,000 gallons of diesel fuel spilled and closed Arbor Boulevard between Springboro Pike and Carillon Boulevard.

The spill was reported to Moraine police and fire dispatch center after 9:30 a.m. Thursday.

The leak happened near Dayton Power & Light's Tait Station. DP&L said that a tanker truck over-pressurized while it was being filled with diesel from a storage tank.

Moraine Fire Division officials sought help from the Dayton Haz-Mat team and notified the Ohio EPA about the spill. A private contractor was dispatched to the scene to help with cleanup.

The spill happened near the Great Miami River, and Moraine Fire Chief Anthony Trick said, "We are concerned about that."

Officials took steps to prevent the diesel from making it to the water, Trick said.

<http://www.daytondailynews.com/news/dayton-news/nearly-3-000-gallons-of-diesel-spills-1271905.html>