



Incident Tracking

Incident Profile

Incident Title:	Pressure Vessel Explodes, Kills Truck Driver		
Incident (Accident) Identifier:	200824415		
Report Date:	12/07/2009		
Report ID (OSHA):	521400		
Incident Description:	<p>At approximately 2:36 pm on December 7, 2009, an explosion occurred when producing AT and Optical Crystals in high pressure autoclaves/vessels. The high pressure vessels were manufactured by Engineered Pressure Systems, Inc. Employees were required to load and unload the high pressure vessels with propriety substances. Once the vessels were loaded, the employees monitored the process and performed other duties. During the operation, vessel Number 2 exploded and released high temperature caustic solvent that created a large plume. The pressure blast destroyed the facility and emitted debris onto adjacent properties. A truck driver on an adjacent highway was struck by the flying building material and was killed instantly. The truck driver was not an employee of NDK Crystals. Employees working at the NDK facility received minor injuries such as lacerations and contusions. Employees at the plant were provided some training on the process, but were not provided adequate training on hazard communication and PPE. All employees at the facility spoke English. Employees were provided with some PPE, but only for the loading and unloading process. The preliminary findings were that the explosion was related to stress fractures and corrosion cracking.</p>		
INCIDENT CATEGORY:			
INCIDENT CAUSE:			
Inspection Number:	312731425	OSHA Close Date:	12/07/2009
OSHA Open Date:	12/07/2009		
Number of Days Open:	0		
Where did the incident occur?	NDK CRYSTALS		
Incident Jurisdiction (State-Zip):	IL BELVIDERE		
Fatalities:	0	Injuries:	1
Keywords (OSHA):	CORROSION, PRESSURE VESSEL, EXPLOSION, UNTRAINED		



Incident Tracking

Incident Profile

Incident Title:	One Employee Is Killed In Boiler Explosion, Another Is Injured		
Incident (Accident) Identifier:	201925021		
Report Date:	12/04/2009		
Report ID (OSHA):	0626700		
Incident Description:	At approximately 8:45 p.m. on December 4, 2009, Employee #1, #2, and other coworkers were restarting the B28 boiler in the Steam Unit, when the boiler catastrophically failed. The boiler explosion threw Employee #1 under the structure of the B27 boiler, causing him to sustain fatal blunt force trauma. A coworker and Employee #2 suffered unspecified injuries. Employee #2 was transported to a medical center, where he received treatment and was hospitalized.		
INCIDENT CATEGORY:			
INCIDENT CAUSE:			
Inspection Number:	312920226	OSHA Close Date:	04/13/2011
OSHA Open Date:	12/04/2009		
Number of Days Open:	495		
Where did the incident occur?	Valero Refinery		
Incident Jurisdiction (State-Zip):	TX 77590		
Fatalities:	1	Injuries:	1
Keywords (OSHA):	boiler, explosion		



Incident Tracking

Incident Profile

Incident Title:	Employee Is Injured after Struck by Shattered Guard		
Incident (Accident) Identifier:	202080271		
Report Date:	10/29/2009		
Report ID (OSHA):	453730		
Incident Description:	<p>On October 29, 2009, Employee #1 was performing pressures tests on 30-pound fire extinguisher bodies, using a test machine run in automatic mode. Employee #1 loaded four bodies/cylinders into the machine and started the test cycle by activating the two-hand control. The machine submerged the fire extinguishers into a water bath, and the bodies were to be pressurized to approximately 640 psi. As Employee #1 was observing for water bubbles, which indicated that the body did not pass the pressure test, one fire extinguisher body ruptured. The 0.375-inch-thick Lexan cover/guard, used as an observation port, blew apart. Piece(s) of the cover/guard and/or air pressure struck Employee #1 in the face and head. Employee #1 sustained multiple facial fractures and was hospitalized.</p>		
INCIDENT CATEGORY:	Pressure Vessel-related		
INCIDENT CAUSE:	Failure of Equipment		
Inspection Number:	313977613		
OSHA Open Date:	10/29/2009	OSHA Close Date:	04/05/2010
Number of Days Open:	158		
Where did the incident occur?	BUCKEYE FIRE EQUIPMENT COMPANY		
Incident Jurisdiction (State-Zip):	NC 28086		
Fatalities:	0	Injuries:	1
Keywords (OSHA):	STRUCK BY, FRACTURE, FACE, FLYING OBJECT, HIGH PRESSURE, FIRE EXTINGUISHER, RUPTURE, GUARD, AIR PRESSURE		



Incident Tracking

Incident Profile

Incident Title:	Employee Is Injured When Struck By Flying Object		
Incident (Accident) Identifier:	200651701		
Report Date:	10/02/2009		
Report ID (OSHA):	0521100		
Incident Description:	At approximately 2:45 p.m. on October 2, 2009, Employee #1, a machine operator, was working with a boiler technician to replace a gas valve actuator on the boiler, a Hurst Boiler and Welding Co. Inc. Mfg., Serial Number S2500 15037, and Model Number B66549. The repair was completed and the boiler technician was on the control end while Employee #1 was on the other end of the boiler, looking through the sight glass. There was an internal boiler gas explosion and Employee #1 was hit by a manhole. He was hospitalized for treatment.		
INCIDENT CATEGORY:			
INCIDENT CAUSE:	Failure of Controls		
Inspection Number:	312553589		
OSHA Open Date:	10/02/2009	OSHA Close Date:	04/15/2010
Number of Days Open:	195		
Where did the incident occur?	Appleton Medical Center		
Incident Jurisdiction (State-Zip):	WI 54911		
Fatalities:	0	Injuries:	1
Keywords (OSHA):	machine operator, struck by, flying object, boiler, pressure vessel, explosion, head, concussion		



Incident Tracking

Incident Profile

Incident Title:	Compressed Gas Cylinder Ruptures, Amputates Worker's Legs		
Incident (Accident) Identifier:	200358174		
Report Date:	08/20/2009		
Report ID (OSHA):	453710		
Incident Description:	On August 20, 2009, a worker was filling a 60-cylinder manifold system of compressed oxygen. It was operating at 2,350 lbs of pressure. During filling a gas cylinder ruptured. At the time of the cylinder rupture, the worker was turning off the cylinder valves. EMS responded to the scene, and the worker was transported to Wayne Memorial Hospital and then airlifted to Pitt Memorial Hospital, where he was hospitalized. As a result of the severity of the worker's injury, medical personnel amputated both legs at the mid-thigh level.		
INCIDENT CATEGORY:			
INCIDENT CAUSE:			
Inspection Number:	313216988	OSHA Close Date:	02/25/2010
OSHA Open Date:	09/30/2009		
Number of Days Open:	148		
Where did the incident occur?	AIRGAS NATIONAL WELDERS INC.		
Incident Jurisdiction (State-Zip):	NC 27530		
Fatalities:	0	Injuries:	1
Keywords (OSHA):	STRUCK BY, FLYING OBJECT, CYLINDER, LEG, RUPTURE, AMPUTATED, COMPRESSED GAS, OXYGEN, HIGH PRESSURE, EXPLOSION		



Incident Tracking

Incident Profile

Incident Title:	Employee Dies After Chemical Inhalation		
Incident (Accident) Identifier:	202507166		
Report Date:	07/31/2009		
Report ID (OSHA):	0950663		
Incident Description:	<p>At approximately 9:15 a.m. on July 31, 2009, Employee #1, with TriCal, Inc. (an agricultural chemical mixing plant and chemical transfer facility), was filling a cylinder with 115 lbs of liquid chloropicrin and 245 lbs of liquid methyl bromide. He was adjacent to the cylinder in a ventilated booth. The only personal protective equipment he was wearing was safety glasses and boots. When the cylinder was pressurized to approximately 80 psi, it suddenly ruptured. He was splashed with the chemicals. Employee #1 was transported to Antelope Valley Hospital in Lancaster, CA, where he died at 11:30 p.m. that day from pulmonary edema caused by the inhalation of the chemicals. The cylinder was manufactured and hydrostatically tested to 480 psi in April of 2006 by Manchester Tank & Equipment Company. The ruptured cylinder was found to have severe internal corrosion but no external corrosion. The employer had used the cylinder for various mixtures, one of which contained a detergent and water.</p>		
INCIDENT CATEGORY:			
INCIDENT CAUSE:			
Inspection Number:	311074157	OSHA Close Date:	08/07/2009
OSHA Open Date:	08/07/2009		
Number of Days Open:	0		
Where did the incident occur?	Trical, Inc.		
Incident Jurisdiction (State-Zip):	CA 93501		
Fatalities:	1	Injuries:	0
Keywords (OSHA):	inhalation, respiratory, corrosion, chemical, chemical vapor, ppe, rupture, leak, cylinder, pressure release		



Incident Tracking

Incident Profile

Incident Title:	Employee Is Injured When Autoclave Door Blows Off		
Incident (Accident) Identifier:	202489696		
Report Date:	06/19/2009		
Report ID (OSHA):	950621		
Incident Description:	<p>At 1:30 p.m. on June 19, 2009, Employee #1 was walking through a room where medical testing equipment was manufactured. An autoclave door (5 ft square) blew off, striking a wall approximately 12 ft away. Employee #1 was struck by glass and burned by steam. He was hospitalized at U.C Davis Medical center for lacerations and first-degree chest and face burns. Employee #1 was taking a short-cut through this area at the time of the incident. The autoclave had been under 30 psi pressure, resulting in the equivalent of approximately 72 tons of pressure on the door. After the incident, the employer implemented new maintenance procedures and installed different door hardware.</p>		
INCIDENT CATEGORY:			
INCIDENT CAUSE:			
Inspection Number:	313228579		
OSHA Open Date:	07/22/2009	OSHA Close Date:	01/21/2010
Number of Days Open:	183		
Where did the incident occur?	SIEMENS HEALTHCARE DIAGNOSTICS		
Incident Jurisdiction (State-Zip):	CA 95691		
Fatalities:	0	Injuries:	1
Keywords (OSHA):	DOOR, EXPLOSION, STEAM, PRESSURE RELEASE, BURN, LACERATION, FACE, CHEST		



Incident Tracking

Incident Profile

Incident Title:	Three Employees Killed and Fifteen Injured in Explosion		
Incident (Accident) Identifier:	200357853		
Report Date:	06/09/2009		
Report ID (OSHA):	453710		
Incident Description:	At approximately 11:22 a.m. on June 9, 2009, an explosion occurred as contractors were trying to light the pilot light of the newly installed direct contact water heater within vacuum pump in Room Number 2. The water heater was powered by natural gas. The explosion resulted in the collapse of the packaging department building structure. Three employees were killed along with 15 employees injured. The injured employees were hospitalized for burns, amputation, fractures and smoke inhalation.		
INCIDENT CATEGORY:	Pressure Vessel-related		
INCIDENT CAUSE:	Operator Error; Failure of Controls; Violation of Safety Procedures		
Inspection Number:	313215089, 313216343, 313217408		
OSHA Open Date:	06/10/2009	OSHA Close Date:	02/08/2010
Number of Days Open:	243		
Where did the incident occur?	CONAGRA FOODS INC.		
Incident Jurisdiction (State-Zip):	NC 27529		
Fatalities:	3	Injuries:	15
Keywords (OSHA):	EXPLOSION, BURN, FRACTURE, SMOKE INHALATION, LUNG, AMPUTATED, HAND, HEAD, WRIST, STRUCK BY		



Incident Tracking

Incident Profile

Incident Title:	Employee Dies When Cylinder Explodes		
Incident (Accident) Identifier:	201312006		
Report Date:	05/13/2009		
Report ID (OSHA):	0213400		
Incident Description:	On May 13, 2009, a compressed gas cylinder exploded, killing Employee #1. No additional information was provided in the narrative.		
INCIDENT CATEGORY:			
INCIDENT CAUSE:			
Inspection Number:	311919849	OSHA Close Date:	02/18/2010
OSHA Open Date:	05/13/2009		
Number of Days Open:	281		
Where did the incident occur?	J.W. Goodliffe & Son, Inc. DbA/Cyberweld		
Incident Jurisdiction (State-Zip):	NJ 07036		
Fatalities:	1	Injuries:	0
Keywords (OSHA):	cylinder, compressed air, gas, explosion		



Incident Tracking

Incident Profile

Incident Title:	Two Employees Are Killed When Hot Water Tank Explodes		
Incident (Accident) Identifier:	202549853		
Report Date:	03/20/2009		
Report ID (OSHA):	950631		
Incident Description:	<p>At 11:30 p.m. on March 19, 2009, employees from the third shift had just come in to work. Their employer is a manufacturer of plastic conveyor parts. One employee pointed out to the on-shift supervisor (Employee #1) that there was a pool of water near an 80-gallon water heater (Whirlpool Model Number EE3Z80HD055V, Serial Number 0745105567) that was being used to supply heating water to the production process. Minutes after this exchange, the water heater tank exploded. Both Employee #1 and Employee #2, the second-shift supervisor, suffered blunt force injuries in the explosion and were instantly killed. The hot water tank broke through the roof, about 30 feet above the floor, and returned through the roof and fell into the workplace about 25 feet from its original location. A third employee was injured by flying shrapnel and was treated and released at a local hospital.</p>		
INCIDENT CATEGORY:			
INCIDENT CAUSE:			
Inspection Number:	310297064	OSHA Close Date:	03/20/2009
OSHA Open Date:	03/20/2009		
Number of Days Open:	0		
Where did the incident occur?	SOLUS INDUSTRIAL INNOVATIONS LLC		
Incident Jurisdiction (State-Zip):	CA 92688		
Fatalities:	2	Injuries:	0
Keywords (OSHA):	EXPLOSION, HOT WATER TANK, CONTUSION, PLASTIC MFG, LACERATION		



Incident Tracking

Incident Profile

Incident Title:	Employee Is Killed When Tire Ruptures		
Incident (Accident) Identifier:	200902344		
Report Date:	03/10/2009		
Report ID (OSHA):	418400		
Incident Description:	On March 10, 2009, Employee #1 was standing next to a 24 in. tire on a dirt pan. The tire ruptured during inflation and shrapnel struck the left side of his face and neck. Employee #1 sustained a fractured neck; he was killed.		
INCIDENT CATEGORY:	Pressure Vessel-related		
INCIDENT CAUSE:			
Inspection Number:	310992417		
OSHA Open Date:	03/10/2009	OSHA Close Date:	03/11/2009
Number of Days Open:	0		
Where did the incident occur?	SIKES BROTHERS	METER GA	1 12
Incident Jurisdiction (State-Zip):			
Fatalities:	1	Injuries:	0
Keywords (OSHA):	TIRE, RUPTURE, INFLATING, PRESSURE RELEASE, WHEEL, STRUCK BY, FACE, NECK, FRACTURE, VERTEBRA		



Incident Tracking

Incident Profile

Incident Title:	Employee Is Injured When Struck By Relief Disk		
Incident (Accident) Identifier:	201492444		
Report Date:	02/27/2009		
Report ID (OSHA):	950625		
Incident Description:	<p>At approximately 6:30 a.m. on February 27, 2009, Employee #1 was working at a farming facility that processes, packs, and ships fresh carrots and juice nationwide. Employee #1 was positioned about 40 feet away from a pressure relief discharge port that was connected to a 6-inch diameter pipe that branched off into the main plumbing. It was through this pressurized piping system that the facility's carrot wash water was recycled. The main plumbing system measured approximately 30 inches in diameter and operated at 30 psi. In addition, the 6-inch pipe housed an engineered disk that works as a safety-relief valve to rupture when 125 psi is reached in the system. As Employee #1 was working, the disk ruptured and struck him on the side of his face. Employee #1 was hospitalized, where he was treated for lacerations to his face.</p>		
INCIDENT CATEGORY:	Pressure Vessel-related		
INCIDENT CAUSE:	Violation of Safety Procedures		
Inspection Number:	312911506		
OSHA Open Date:	08/12/2009	OSHA Close Date:	08/24/2009
Number of Days Open:	12		
Where did the incident occur?	Esparza Enterprises		
Incident Jurisdiction (State-Zip):	CA 93307		
Fatalities:	0	Injuries:	1
Keywords (OSHA):	pressure piping, valve, laceration, struck by, face, water, flying object		



Incident Tracking

Incident Profile

Incident Title:	Employee Is Killed When Struck By Exploding Boiler		
Incident (Accident) Identifier:	311217293		
Report Date:	01/22/2009		
Report ID (OSHA):	0830100		
Incident Description:	On January 22, 2009, Employee #1, of Bp Construction, was thawing a frozen sewer line. The steamer (Boiler) exploded, and Employee #1 was struck and killed by the steamer.		
INCIDENT CATEGORY:			
INCIDENT CAUSE:			
Inspection Number:	311217293	OSHA Close Date:	07/06/2009
OSHA Open Date:	01/23/2009		
Number of Days Open:	164		
Where did the incident occur?	Bp Construction		
Incident Jurisdiction (State-Zip):	MT 59201		
Fatalities:	1	Injuries:	0
Keywords (OSHA):	struck by, sewer, boiler, explosion		



Incident Tracking

Incident Profile

Incident Title:	Company Owner Is Killed in Air Tank Explosion		
Incident (Accident) Identifier:	201492261		
Report Date:	01/16/2009		
Report ID (OSHA):	950625		
Incident Description:	On January 16, 2009, the owner of Conner's Manufacturing, Inc., was killed when an air tank exploded.		
INCIDENT CATEGORY:	Pressure Vessel-related		
INCIDENT CAUSE:	Failure of Equipment		
Inspection Number:	310829080		
OSHA Open Date:	01/17/2009	OSHA Close Date:	01/17/2009
Number of Days Open:	0		
Where did the incident occur?	Conner'S Mfg, Inc		
Incident Jurisdiction (State-Zip):	CA 93706		
Fatalities:	1	Injuries:	0
Keywords (OSHA):	explosion, compressed air, tank		