

## SE TX General Industry Serious Incident Reports (SIRs) FY 2019\*

In Fiscal Year (FY) 2019 there were about 510 Serious Incident Reports (SIRs) reported to the Houston OSHA offices covering SE TX versus 512 the previous year. SIRs incidents include cases of hospitalization, amputation, and loss of an eye. Of the 510 reports, 389 were in general industry and 121 were in construction. Let's work together to send every worker home safe at the end of the day.



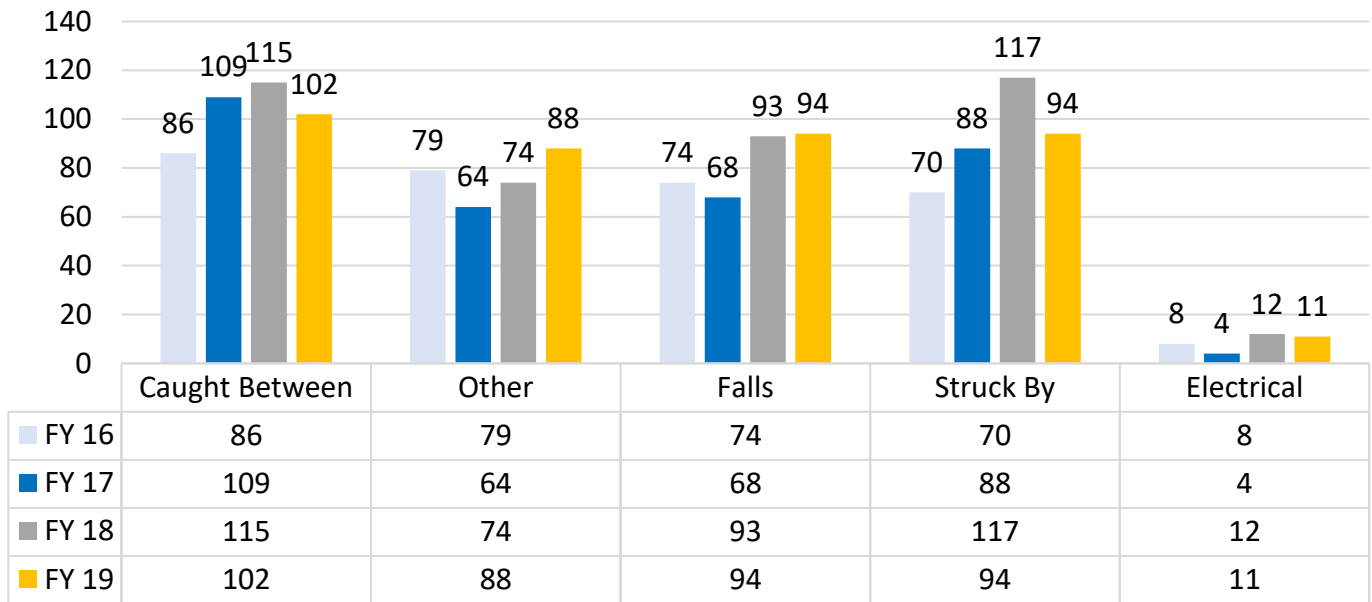
Of the 389 General Industry SIRs, 330 were hospitalizations and 86 were amputations. 27 of the amputations required hospitalization so they are technically counted twice.  $330 + 86 - 27 = 389$

### FY 19 SE TX General Industry SIR Reports by NAICS Code

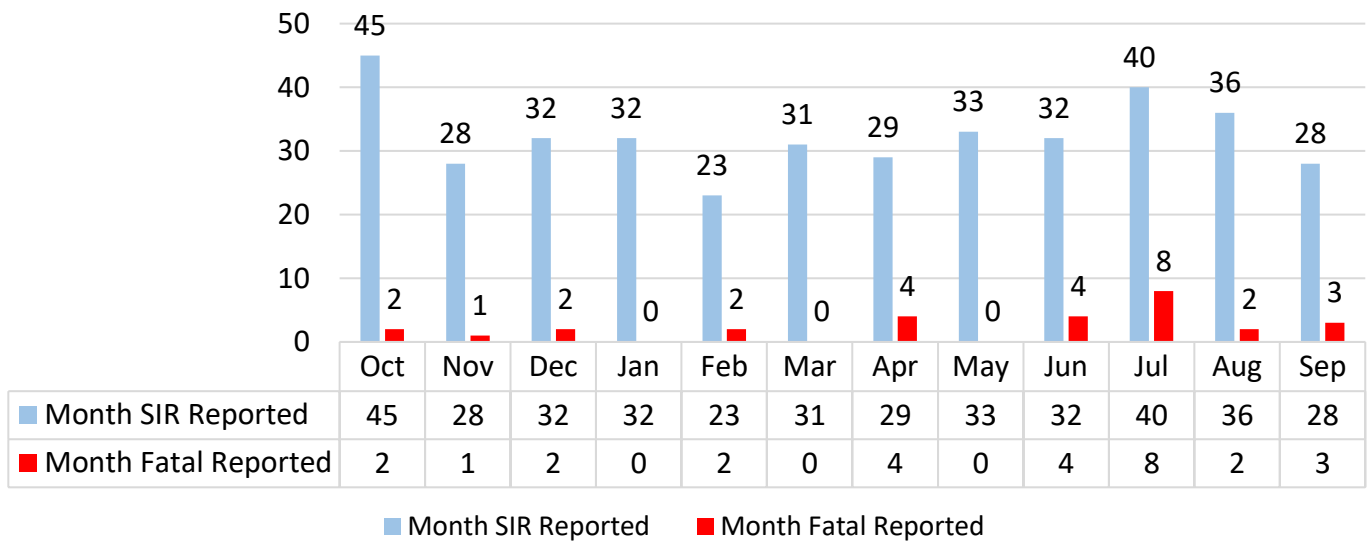
NAICS	Industry	FY 18 SIRs	FY 19 SIRs
488	Support Activities for Transportation	23	25
332	Fabricated Metal Product Manufacturing	39	25
561	Administrative and Support Services	18	19
333	Machinery Manufacturing	20	19
213	Support Activities for Mining	18	19
325	Chemical Manufacturing	22	16
445	Food and Beverage Stores	9	15
326	Plastics and Rubber Products Manufacturing	8	15
423	Merchant Wholesalers, Durable Goods	19	14
622	Hospitals	17	12
562	Waste Management and Remediation Services	10	12
484	Truck Transportation	8	12
424	Merchant Wholesalers, Nondurable Goods	15	11
327	Nonmetallic Mineral Product Manufacturing	5	11
321	Wood Product Manufacturing	6	11
311	Food Manufacturing	8	11
331	Primary Metal Manufacturing	11	9
221	Utilities	6	9
541	Professional, Scientific, and Technical Services	8	8
493	Warehousing and Storage	10	8
452	General Merchandise Stores	5	8
339	Miscellaneous Manufacturing	7	8
811	Repair and Maintenance	10	7
517	Telecommunications	4	6
491	Postal Service	9	6
324	Petroleum and Coal Products Manufacturing	5	6
722	Food Services and Drinking Places	9	5
532	Rental and Leasing Services	1	5
336	Transportation Equipment Manufacturing	1	5
621	Ambulatory Health Care Services	1	4
444	Building Material and Garden Equipment and Supplies Dealers	4	4
492	Couriers and Messengers	5	3
451	Sporting Goods, Hobby, Musical Instrument, and Book Stores	1	3
441	Motor Vehicle and Parts Dealers	10	3

322	Paper Manufacturing	5	3
812	Personal and Laundry Services	0	2
623	Nursing and Residential Care Facilities	1	2
483	Water Transportation	2	2
481	Air Transportation	0	2
453	Miscellaneous Store Retailers	6	2
448	Clothing and Clothing Accessories Stores	4	2
334	Computer and Electronic Product Manufacturing	1	2
924	Administration of Environmental Quality Programs	1	1
922	Justice, Public Order, and Safety Activities	0	1
721	Accommodation	0	1
713	Amusement, Gambling, and Recreation Industries	1	1
711	Performing Arts, Spectator Sports, and Related Industries	0	1
624	Social Assistance	0	1
531	Real Estate	5	1
523	Securities, Commodity Contracts, and Fin Investments and Activities	0	1
522	Credit Intermediation and Related Activities	0	1
482	Rail Transportation	2	1
454	Nonstore Retailers	0	1
447	Gasoline Stations	1	1
443	Electronics and Appliance Stores	1	1
335	Electrical Equipment, Appliance, and Component Manufacturing	5	1
312	Beverage and Tobacco Product Manufacturing	2	1
211	Oil and Gas Extraction	0	1
115	Support Activities for Agriculture and Forestry	1	1
111	Crop Production	1	1
813	Religious, Grantmaking, Civic, Professional, and Similar Organizations	2	0
712	Museums, Historical Sites, and Similar Institutions	1	0
611	Educational Services	1	0
524	Insurance Carriers and Related Activities	2	0
512	Motion Picture and Sound Recording Industries	1	0
511	Publishing Industries (except Internet)	1	0
486	Pipeline Transportation	1	0
442	Furniture and Home Furnishings Stores	4	0
337	Furniture and Related Product Manufacturing	3	0
313	Textile Mills	1	0
611	Educational Services	1	0
541	Professional, Scientific, and Technical Services	2	0
<b>TOTAL</b>		<b>411</b>	<b>389</b>

### FY 19 SE TX General Industry SIRs by Focus Four



### FY 19 SE TX Month of General Industry SIRs vs. Fatal Reports



### FY 19 SE TX Area General Industry SIRs by Event vs. FY 18

SIR by Event	FY 18	FY 19
Caught between stationary and moving equipment or objects	56	52
Fall on same level	43	37
Entangled in running equipment or machinery	35	30
Struck by falling object or equipment	33	29
Exposure to heat – environmental	26	25
Struck by blade/knife/sharp object	25	19
Caught between moving objects or equipment	18	18
Struck by powered vehicle	11	17
Fall lower level ladder	18	15
Fall lower level nonmoving vehicle	7	14

Fall lower level structure or equipment	7	12
Struck by moving object or equipment	9	11
Fall lower level stairs	9	9
Burns chemical	4	9
Body movement	7	9
Burns hot liquids	7	7
Other/unknown	2	6
Insects, snakes, animals	4	5
Fire	0	5
Electrical burns	2	5
Assault by other person	5	5
Struck by	3	4
Infection	0	4
Struck by rolling object or equipment	5	3
Struck by flying object	12	3
Fall from and struck by same vehicle	0	3
Exposure to harmful substances	5	3
Caught between	0	3
Burns	3	3
Arc flash	4	3
Struck by tool	7	2
Struck by shifting load or equipment	1	2
Struck by collapsing structure, equipment, or material	2	2
Fire vapors, gases, or liquids	6	2
Fall lower level moving vehicle	3	2
Explosion of pressure vessel, piping, or tire	0	2
Electric shock	6	2
Struck by swinging load or equipment	4	1
Injection	2	1
Fall through surface	0	1
Fall lower level scaffolding	0	1
Fall lower level	1	1
Exposure to cold	0	1
Electric shock lightning	0	1
Struck by falling trees	3	0
Pressure wave	2	0
Laceration	1	0
Fall lower level roof	2	0
Fall lower level pit/hole	1	0
Fall lower level elevator shaft	1	0
Fall lower level building	1	0
Explosion of vapors, gases, or liquids	1	0
Explosion	1	0
Caught between stationary equipment or objects	1	0
Caught between stationary and falling equipment or objects	5	0
<b>TOTAL</b>	<b>411</b>	<b>389</b>

## FY 19 SE TX General Industry SIR Narratives by NAICS

### 111 - Crop Production

Electrical burns

- Employee was repairing a light bulb on a light pole and received an electrical shock. He and three other electricians removed the electrical wire connectors. They tested the wires with voltmeters. The voltmeter indicated that three of the four wires were hot. The three other electricians stepped away once they realized the wires were hot. The injured employee continued to work on the wires and was shocked and received two electrical burns on the right middle finger the size of nickels and one burn on the right index finger the size of a dime.

### 115 - Support Activities for Agriculture and Forestry

Caught between stationary and moving equipment or objects

- Employee was trying to remove a 30-36" sampling tube from soil extruder (hydraulic ram). During the process of extraction, his fingers got caught in between the extruder and the tube resulting in partial amputation of left index and middle finger.

### 211 - Oil and Gas Extraction

Fall on same level

- Employee slipped on water on the restroom floor and hit the right side of her head on the countertop near the sink suffering a contusion on the right side of her head.

### 213 - Support Activities for Mining

Burns hot liquids

- A process operator was taking a sample of heated resin and some of the resin got on his face giving him 1st and 2nd burns to the face area.

Caught between

- Employee was assembling equipment using an assembly machine and his hand was caught in the middle fracturing his left index finger.

Caught between stationary and moving equipment or objects

- Technicians were servicing a tool and attempting to remove the pivot pins while the tool was in the horizontal position. One employee was kneeling facing the tool while the other was moving the grab handle in an attempt to remove the pivot pins. The first pivot pin was removed and while attempting to remove the second pivot pin the worker rotated the handle from the unlock position to the lock position. When the other worker rotated the grab handle downward the pivot pin came out. This allowed the grab handle to rotate past its normal stop/lock position and caught the tip of the workers right middle finger between the grab handle and a weldment severing the tip.
- Employee working on piping products using a flanging and finishing machine. The jaws of the machine closed on the employee's left hand and the pipe he was working on causing a dislocated/fractured left middle finger and fractured left index finger.
- Employee was setting up a flange machine during training when the machine shifted pinching his right hand between the machine and flange causing fractures and lacerations to his right hand.

Entangled in running equipment or machinery

- Employee on an offshore utility vessel was assisting with the retrieval of a core box (device that goes to bottom to scoop sediment). His fingers were caught in a 24 volt wench resulting in partial amputation of his left ring finger.

#### Exposure to heat – environmental

- Employee was working outside in the rail car cleaning area and reported having muscle cramps. Heat exhaustion.

#### Fall lower level nonmoving vehicle

- Employee lost his balance and fell from a flatbed trailer while refilling a tote tank fracturing his right wrist.

#### Fall lower level structure or equipment

- Three employees were detaching an elevated walkway from a tank facility. After cutting the walkway so that it could be removed, two of the employees walked onto the detached walkway. It could not support their weight and it gave way and fell approximately 15'. One employee suffered a compound fractured of the right femur and the other suffered a crushed heel.
- Employee was fitting/welding on a structural type weldment while standing on a ladder approximately 3' to 4' off the ground. He stepped off the ladder, onto the weldment, and his weight caused the weldment to become unbalanced and fall to the ground. The fall resulted in a fractured shoulder and broken ankle.
- An employee were working with another employee on top of a large oil storage tank at a field site, performing dismantling of piping and attachments to the tank. They removed a piece of 4' vent piping and disconnected their fall protection harness and lanyard from an anchorage in order to reach the tank top edge to throw the pipe to the ground. While throwing the pipe from the tank top, the pipe caught the harness of one of the employees, causing him to fall from the top of the 15' tank to the ground. He suffered a broken right wrist and pelvis.

#### Fall on same level

- An employee at the refinery was assisting a coworker with lining up a flange prior to bolt up when he lost his footing and fell down fracturing his femur.

#### Fire vapors, gases, or liquids

- Employee was using an oxygen acetylene torch when the flame went out. He used the torch controls to turn off the oxygen supply to the torch and the flame return to the head of the torch. The torch's hose separated causing a large flame that burned the employee and caused second-degree burns to both arms and abdomen.

#### Infection

- Employee stacking and banding zinc metal blocks and got a metal sliver in right thumb which became infected.

#### Other/unknown

- Employee working at shale site had his finger amputated.

#### Struck by collapsing structure, equipment, or material

- Employer was installing stairs onto a rig platform when the stairs became disconnected from the rig platform and the forklift being used to support them. He fell 6' from the rig platform and was struck by the stair platform fracturing four ribs.

#### Struck by falling object or equipment

- A crew was working on a a drilling rig when the traveling block hit the crown causing the travel block and parts of the damaged rig to fall to the rig floor. One employee was struck by the falling debris and had his left foot amputated and the other jumped from the rig floor to escape the falling materials and fell to the ground below fracturing his neck, left arm, and two ribs.

### Struck by falling object or equipment

- Employees were moving a pipeline inspection tool barrel. One employee was pulling on the rigging in order to allow the forklift to move the barrel through the open door. As the barrel was coming through the door, the rigging slipped off the fork and the barrel landed on the employee's foot. Two of his left toes adjacent to his big toe were amputated over the weekend.

### Struck by rolling object or equipment

- An employee was working inside a confined space vacuuming catalyst. As he was breaking up the catalyst, a piece rolled down from the pile and struck his leg fracturing his femur.

## 221 – Utilities

### Arc flash

- Employee was hospitalized after arc flash burn. Employees were de-energizing a pad transformer and when the elbow was removed from the transformer and arc flash occurred and one employee received 3rd degree burns on face, hands, belly and the other non-hospitalized employee had 2nd degree burns.

### Caught between stationary and moving equipment or objects

- Employee was unhooking a trailer when the unchocked trailer started to roll. He placed a hammer in front of the wheels to try and stop it and his finger was pinched between the trailer and the hammer amputating the tip of the right index finger.

### Electrical burns

- An employee was climbing an electric pole to make a line connection. When he reached for the electrical line he received electrical burns to the palm of his hand from contacting an energized electrical distribution single phase circuit. The electric line was not de-energized or grounded prior to work.

### Exposure to heat – environmental

- Employee was working on a job site hand digging to access a natural gas line to repair a leak when he reported feeling ill. He was admitted to the hospital for heat stress/exhaustion.
- Employees was tying rebar prior to a concrete pour. He finished work and when he got home he was having cramps. He was picked up from his house by the ambulance at 5 AM and released at 10:30 AM. While at the drug store he felt sick, fainted, and 911 was called and was sent to the hospital where he was again hospitalized for dehydration.

### Fall lower level nonmoving vehicle

- Employee was working with a crew to install a new pole. He was coming down from a derrick digger truck boom seat when he lost his balance on a step and fell to the ground and suffered fractures of both heels, tail bone, right ankle and a toe on his right foot and an abrasion on his head.

### Fall lower level structure or equipment

- Employee was working an order to install a temporary bypass cable when he dropped a wrench which fell into the pedestal he was working. While reaching to retrieve the wrench he fell and fractured his left arm either from the fall or when his coworker pulled him off the pedestal and fell again.

### Struck by collapsing structure, equipment, or material

- Two employees were going to install a new building service line on an existing power pole. One of the employees climbed the pole and was injured when the pole broke at its base and fell on top of the employee causing three broken ribs and a partially collapsed lung.

### Struck by flying object

- Employee was using a hammer to remove a sprocket when a piece broke off the sprocket and embedded into his left knee requiring surgical removal.

### 311 - Food Manufacturing

#### Caught between stationary and moving equipment or objects

- An employee was checking production monitors and noticed that the monitors indicated that there was no salt in the pellet bin. Since there was salt in the hopper, it meant there was a clog in the pellet press chute. He confirmed that the pellet press chute was clogged with salt. He opened a hatch on the press chute to unclog it with an air hose attached to a 3' wand. While cleaning out the salt with the air hose, the wand got pulled into the press by the rollers. He let go of the air hose handle and the wand was forced upward by the rollers catching his hand in between the air hose handle and the frame on the latch door amputating the tip of the right index finger and fracturing it.

#### Entangled in running equipment or machinery

- Employee placed his hand on the conveyor while waiting on the product to come down the conveyor and his hand was pinched in between the conveyor and the guide strip amputating the left thumb.
- Employee was doing maintenance on a machine and had two finger tips amputated between a belt and pulley when someone turned the machine on.

#### Fall lower level ladder

- Employee had been assigned to perform a heater inspection and would use a ladder to access the roof of an interior building office. He was found on the ground with a head concussion. Suspected fall from the ladder.

#### Fall lower level nonmoving vehicle

- Employee was helping unload bone meal from a truck in the receiving area while standing on the cat walk. There was a jam so he removed the chains and stepped over them. He placed one foot on the cat walk and the other on the truck and lost his balance and fell down on the side of the truck approximately 10' and received a fracture of his left leg. The catwalk has guardrails with a small area that has chains. Employees are not supposed to cross the chained area and should use provided tools to work from the cat walk.

#### Fall lower level stairs

- Employee was walking across a cross walk with a deboning knife in his hand and while stepping down lost his balance and punctured his chest and lung.

#### Fall lower level structure or equipment

- Employee was disposing of trash in an open top bin. As he was dumping the super sac of trash using a forklift he either climbed the dumpster or the forklift for an unknown reason and slipped and fractured his skull.

#### Fall on same level

- The employee was working on a production line and stepped back and tripped over the edge of a pallet that was sitting on the floor. He fell to the ground and fractured his right hip.
- Employee was walking and slipped on some wet concrete. He fell and hit the back of his head.

#### Struck by blade/knife/sharp object

- Employee was operating a wing segmenting machine. The employee bent down to pick up some product and used his hand on the table to push himself up. He somehow got left middle and ring finger partially amputated by the segmenter blade.



Struck by falling object or equipment

- Employee was removing bolts from a palletizer to repair it when a piece of metal slipped and pinned his finger amputating part of the right ring finger.

### **312 – Beverage and Tobacco Product Manufacturing**

Exposure to heat – environmental

- Delivery driver had completed his route of delivering beverages and was feeling ill. He was sent to an occupation health clinic and sent to the hospital and admitted for heat exhaustion.

### **321 - Wood Product Manufacturing**

Caught between moving objects or equipment

- The employee touched an unguarded chain on an automatic nailing machine and the chain pulled his finger into the sprocket cutting off the tip of the left middle finger.
- Employee was attempting to realign a conveyor chain at the unscrambler. He went back to grab a board off the conveyor when another employer started the machine. His arm was pinched between the chain and the unscrambler wall fracturing his left ulna, radius, and hand and a laceration between his left thumb and forefinger.

Caught between stationary and moving equipment or objects

- Employees were using an overhead crane to move logs. One employee was controlling the crane with a remote control and at some point another employee put his right hand on top of the hoist block. When the block was raised his right index finger was caught between the block and a pipe partially amputating it.

Entangled in running equipment or machinery

- Employee was trying to clear a piece of trash from a roller on a pallet sorting machine and actuated the roller control. The piece of plastic trash wrapped around the top part of the employee's left ring finger, pinching it off just below the nail bed when the roller moved.

Exposure to heat – environmental

- Employee working outside at a saw mill sorting boards on the green chain line when he started feeling ill. He got worse so another employee transported him to the emergency room where he was admitted for a heat related illness.

Struck by blade/knife/sharp object

- Employee sawing wood attempted to unjam the saw when his hand touched the rotating blade. Employee had locked out the saw but did not let the blade stop spinning before opening the guard gate. Laceration to left hand and amputation of the little finger.
- Employee was operating a beam saw, cutting cabinet parts, when the clamp of the saw came down and amputated the tips of his left ring and middle finger.
- The employee was working on the head-rig saw in a sawmill. He reached for a scrap piece of wood and came into contact with the saw blade amputating his left ring and middle fingers.

Struck by falling object or equipment

- A crane operator had placed a steel beam into the staging area with an overhead crane and was removing the lifting chain. The beam was 29.5' long and weighed 956 pounds. While removing the lifting chain the beam fell forward striking the crane operator on his left leg fracturing it.

### Struck by moving object or equipment

- Employee was troubleshooting a strapper machine. The maintenance technician asked the machine operator to place the machine in the service mode 'on'. The operator placed the machine in service mode 'off' and when the maintenance technician entered the machine to troubleshoot he triggered the service eye causing the machine to cycle. His foot was stuck by the machine piercing his safety boot and amputating the right pinky toe.
- Employee was in the process of trying to remove a board that was stuck vertically in the mill stacker reject bin. As he was trying to remove the board, it moved towards him instead of away from him, and it hit his hand causing an amputation.

### **322 - Paper Manufacturing**

#### Burns chemical

- Employee squeegeeing residue out of containers. Her arm got inside the container containing a caustic and she suffered chemical burn to both arms and legs.

#### Fall on same level

- Employee was loading boxes into a case packing machine and lost their footing and slipped. His thumb came in contact with the machine and his right thumb was partial de-gloved.

#### Struck by blade/knife/sharp object

- An employee operating a guillotine paper cutter. She had one hand on the controls while she straightened the 24" X 36" newspaper sheets being cut. She activated the machine amputating the top portion of her left middle finger.

### **324 - Petroleum and Coal Products Manufacturing**

#### Burns chemical

- Employee was removing a vent plug on a pressure transmitter. The transmitter was isolated; however, there was still a small amount of pressure in the instrument. Chemicals sprayed out and he turned sideways and the left side of his face was sprayed with hydrofluoric acid and propane.
- An employee sustained burns to the right arm and torso after coming into contact with process fluid.
- An operator was sprayed with hot condensate while clearing a steam hose that was connected to a level bridge causing steam burns to the thigh area and groin area.

#### Electrical burns

- Employee was working in a MCC panel attempting to flip a breaker when he received a burn to right hand.

#### Fire vapors, gases, or liquids

- An employee was preparing to load asphalt into a truck. He was about to line up the hose into the opening of the truck when the asphalt in the tanker flashed causing 2nd degree burns to his face and arms.

#### Struck by powered vehicle

- Employee operating a broom machine on the shoulder of the highway being repaired when a dump truck swerved onto the shoulder of the workzone and struck the broom truck he was operating causing a broken arm, dislocated elbow, broken leg, fractured pelvis, multiple broken ribs, punctured lung, fractured vertebrae, and decompression.

### **325 - Chemical Manufacturing**

#### Body movement

- Employee was pulling down an elevator door and strained himself getting a hernia.

## Burns chemical

- Employee was off loading a truck with process fluid and came in contact with the process fluid receiving 2nd degree burns to face, neck, and shoulder.
- Operator stepped over a pump, put his arm out to brace himself, and came in contact with a valve that opened and sprayed sulfuric acid on him. He was wearing all required PPE for the task, but the acid did contact his skin on face and neck causing chemical burns.

## Burns hot liquids

- A process technician was doing his routine rounds checking on equipment when hot condensate leaked on him from a steam drum causing 1st and 2nd degree burns to his back and shoulder.

## Caught between stationary and moving equipment or objects

- Employee was about to enter the control room and was listening to the radio while trying to hold the door with his right hand to prevent it from slamming. The door closed and pinched his middle finger against the door jam.

## Entangled in running equipment or machinery

- Employee was conducting routine cleaning using a long hoe to scrape and collect excess ammonium sulfate from a moving conveyor line. At some point during the process she positioned herself closer to the fast moving conveyor line and was caught in it. Other employees cut her loose. She received injuries to her neck, chest and sternum.

## Exposure to heat – environmental

- The employee was overseeing a pipeline project and suffered dehydration.
- An employee started feeling nauseous and fatigued while walking throughout the unit checking valves and preparing the unit for start-up. Heat related injury.

## Fall lower level ladder

- Employee was climbing down a ladder on the side of a tank truck when he lost his footing and fell to the ground approximately 7' fracturing both ankles.
- The employee changed out a gasket on top of the reactor. He was descending about 20' on a fixed ladder from the top of the reactor when at about 5' he slipped and fell off the ladder. He suffered a fractured L4 and a compressed disc.

## Fall lower level moving vehicle

- Electric pallet jack operator was injured when he fell from the jack after using the plugging feature to change direction of the electric pallet jack from reverse to forward.

## Fall lower level structure or equipment

- An employee was standing on a wooden railing 1-2' high trying to hang a clock when he slipped and fell forward striking the ground and fracturing his hip.
- Employee was checking equipment and fell 18' from a grating cover to the ground below fracturing his hip.

## Fire

- Employee cashed a petty check for the employer and was driving back to the employer's facility. He had put the loose change in his pocket where he also had a back-up battery for a vapor pen. The battery reacted with the change causing his pants to catch on fire burning his leg and hands.

### Struck by falling object or equipment

- Employee was attempting to use portable concrete mixer along with two other employees. The lid of the cement mixer came off and hit him on the top of the head giving him a laceration just behind hairline.
- Employees were moving a 500-600 pound shaker that was approximately 6' tall and 4' in diameter. As they were loading it in the bed of a truck, the shaker fell over struck the temporary employee in the left knee causing muscle damage to the knee.

### 326 - Plastics and Rubber Products Manufacturing

#### Caught between moving objects or equipment

- Employee reached over a guard to clear an accumulation of rejected bags with his gloved right hand. The gloved right pinky finger came in contact with the moving rejection feeder, amputating the tip of the finger.
- The employee was operating a roller press cutting felt paper. His left hand slipped and was caught between the upper roller and the cutting die resulting in an amputation at the left wrist.

#### Caught between stationary and moving equipment or objects

- Employee was operating a blow mold machine when a piece of plastic became jammed between the chain guard and the conveyor belt bed. He noticed a piece of plastic was stuck on conveyor belt of the machine and leak detector. She reached into the machine to remove it with her left hand and her left ring finger got stuck. She pulled it back amputating the left ring finger.
- Employee went to re-position the mandrel by hand when the puller operator unexpectedly engaged the machine's lever causing the tooling to press against the puller plate where he had placed his hand causing a laceration to the tip and nail of his ring finger.
- Employee was repairing the speed sensor alignment on a plastic grinder out feed blower. For an unknown reason a pipe wrench on the blower shaft spun around and caught his hand between the wrench and blower housing resulting in lacerations to his hand and a crushing type injury to his middle finger.

#### Entangled in running equipment or machinery

- Two employees were doing maintenance work on a dust collector unit. One employee had locked out the machine while the work was being performed but then unlocked it to test it to ensure the machine was working correctly. The other employee was next to an unguarded belt and pulley and attempted to slow down the belt after the power was turned off to the machine. While attempting to slow down the unguarded belt with his finger it was caught between the unguarded belt and pulley amputating his right index finger just below the nail bed.
- Employee was being trained to use the manual lathe when her hand was caught and pulled into the wrap causing her to flip over the lathe injuring her arm.
- Employee was sanding an elastomer covered pipe using an abrasive belt. His right hand and arm got caught by the rotating lathe and pulled it into the lathe fracturing his arm.
- Employee was in the process of changing the plastic film on the machine when her **glove** which she was not supposed to be wearing was caught in the film crushing her right wrist.
- The employee was operating a foam fixture machine missing a guard placing lids in the working area and his right index and middle finger were crushed.
- Employee was trying to clear a jam of bunched up plastic from a moving roller and the plastic grabbed his hand and pulled it into the roller causing a partial evulsion of the employee's fingertip.

#### Fall on same level

- Employee was walking near a dryer at the warehouse when he slipped and tripped on plastic on the floor and fractured his right arm.

- An employee was reaching for a cardboard box to begin assembling it when he lost his footing and fell back onto a mold that was stationed behind him receiving lacerations to his back side.

#### Fire

- Employee was investigating smoke coming from a 55 gallon drum of resin. These resins are on heated rack and are used during the production process. The resins tend to exotherm and release heat and smoke which is considered normal. When this happens the drums are taken outside to cool. The employee was walking away from the resin drum after investigating the smoke. PPE used is gloves only since the resin can be a skin irritant. The barrel ignited, and there was a ball of fire and he suffered burns to the right side of his face, back, arm, and knee area.

#### Other/unknown

- Employee was working at the pipe yard as a forklift operator. At the end of the day he observed a pimple on his left finger. He made a report to his supervisor and was given over the counter medications and sent home. Returning to work the redness was still there and he was sent to the medical clinic and given a tetanus shot and prescription medication, restrictions, and sent home. He later went to the emergency room emergency room because the swelling was throbbing and they drained it and he was sent home. It continued to worsen and the clinic referred him to a hand specialist immediately to perform hand surgery.

### **327 - Nonmetallic Mineral Product Manufacturing**

#### Caught between

- A maintenance employee was in the process of removing a conveyor belt. He performed lock out/tag out and removed the guard from the V belts and pulley on the side of the head pulley. He began to manually move the V belts over the pulley and his left pinky and ring finger got caught in between the V belt and pulley and amputated the tip of the left pinky finger.

#### Caught between stationary and moving equipment or objects

- Employees was performing tip out, which is the process of removing finished product from the curing areas. They tried to move a concrete box and one employee caught his left ankle between two concrete boxes fracturing it.
- Two employees were removing a motor from an overhead bracket and turned to lower it to the floor. As they were lowering it, one employee had his left middle finger caught in between the motor and a 12" shoot that was next to the employee resulting in the finger being crushed and an amputation of the left little/pinky finger tip.
- An employee was flipping a concrete slab tread side up in preparation for shipping. As he was flipping the concrete slab, the load shifted and started to swing. He attempt to stop the load from striking an adjacent object and his hand was caught between the slab and the object causing a hand laceration.

#### Exposure to heat – environmental

- Employee was performing the role of relief operator. His shift started at 7 AM and he had taken three separate half hour breaks before he began feeling weak and dizzy. He reported his symptoms to his manager at 6pm. He was moved to an air conditioned office and was given electrolyte popsicles, water, and cold compresses. He declined medical treatment stating that his symptoms were subsiding. He left for home at 8 PM and at 9 PM he began experiencing cramping and discomfort and went to the emergency room and was subsequently admitted for dehydration and acute kidney failure. Temperatures in the work area are around 105 to 110 F.

#### Fall lower level nonmoving vehicle

- Employee was getting off of the truck after washing it down and fell landing on his knee injuring it.
- Driver was performing a pre-trip inspection and fell from the trucks step and struck ground breaking his right leg.

#### Struck by

- Employee was a cement mixer driver. Upon entering the facility he had difficulty seeing the facility entrance due to the elevated lights and veered off into a ditch resulting in brain swelling and medication for possible seizures.

#### Struck by falling object or equipment

- A concrete structure became stuck inside a concrete form so a maintenance worker was called in to remove the tilt doors to enable the concrete structure to be removed from the form. As he was removing a pin from the form tilt door, the door fell and landed on his leg causing his right knee to be dislocated.
- Employee was lifting a cover for a hole using a crane. A cheater bar that was still inside the cover fell off and struck him in the face causing a laceration.
- Employee was rigging concrete on a flatbed when the chain broke on the mi-jack releasing the I-beam which struck knocking him to the flatbed and he then fell to the ground fracturing his shoulder, back and knees.

### **331 - Primary Metal Manufacturing**

#### Caught between stationary and moving equipment or objects

- Employee was changing out a hydraulic cylinder and pinched his finger between the cylinder and base during alignment resulting in a partial fingertip amputation.
- Employee was positioning a piece of steel in the band saw for cut lab samples. He was closing the pneumatically powered clamp mechanism to hold the sample for cutting. The clamp is operated using a knob or dial that you turn left and right to open and close the clamp. He got his right thumb tip caught in the clamp partially amputating the tissue under the nail of the thumb.

#### Entangled in running equipment or machinery

- Employee was polishing a pipe with sandpaper by hand instead of with the tool that the employer had provided. He had misplaced his tool and did not ask for another one. He applied pressure on the pipe with his hand and his right index finger became lodged in a hole in the pipe breaking it and it had to be surgically removed.

#### Exposure to harmful substances

- The employee was operating a wire drawing machine in the wire drawing area of the facility and started feeling ill. He went to the hospital and was admitted for a carbon monoxide exposure.

#### Struck by

- A crane operator was trying to hook a 6' tall steel cover sheet when he hit his left ring finger tip in the corner of the cover sheets fracturing the tip of his ring finger.
- Employee was hospitalized with left forearm and knee fractures after being hit by a snag backed rail.

#### Struck by falling object or equipment

- An employee was assisting with setting up a crane jib when it fell about 7' and hit the his left ankle causing serious lacerations and bone damage to the left ankle and lacerations to the left middle and ring finger (no bone loss).
- Employee was helping to attempt to secure a header in a chain in a 1-in-4 hooks when the part became unhooked. He tried to fix the unsecured load while it was still suspended instead of lowering it and fixing it on the ground. The header became unhooked and fell on his big right toe dislocating it and lacerating the other toes.

#### Struck by moving object or equipment

- Employee was in the process of transferring liquid steel into a buildup area and as he was disconnecting a compressed natural gas hose it struck him in the face causing a laceration to the jaw and cheek bone area and a potential fracture.

## 332 - Fabricated Metal Product Manufacturing

### Burns

- Employee was monitoring a dipping operation through an observation window on the closed kettle door. He was wearing the specialized protective equipment that protects against zinc splatter. However, the pant legs of his kettle suit were tucked into his boots which should be on the outside of the boots. Zinc splatter from the dipping operation occurred and entered the top of his boot causing a 3rd degree burn to his left heel.

### Burns hot liquids

- Employee was operating a galvanized kettle machine and as he was adjusting the chain link, his right arm slipped and made contact with scalding hot water resulting in 2nd degree burns.

### Caught between moving objects or equipment

- An employee had his hand between a lifting chain and the load to be lifted by a crane. When the chains tightened during the lift his thumb was caught in the chain resulting in a partial amputation and hospitalization to reattach the thumb.
- Employee was lining up a seam between two pieces of metal so that an operator could activate an automatic end welder that acts in conjunction with a mobile vice. When the operator turned on the welder, however the inspecting employee was not clear of the pinch point and his ribs and hip were fractured.
- The employee was trying to put a cable back onto the pulley of a furnace door. As he was trying to put the cable back on the pulley his **gloved** left index finger caught in between the cable and the groove of the pulley. The cable tighten and he tried to pull his gloved hand out and the cable amputated his left index finger at the knuckle.

### Caught between stationary and moving equipment or objects

- Employee was resting his hand on a pipe and his hand was caught between the pipe and the stop when the pipe moved crushing his right hand and wrist.
- Employee was manually rolling pipe on pipe rack when his right thumb got caught between the pipe and the bottom of the rack partially amputating skin and bone fracture on top of his right thumb.
- Employee attempted to unjam a pipe on a conveyor and placed hand in between the pipe and conveyor and when he dislodged the pipe the conveyor actuated and his right ring, pinky, and middle finger were amputated.
- Employee was centering product on a roller bed and crushed his left index finger between the roller bed and the rail lift amputating the tip.
- Employee was using a crane to separate two pieces of 700 lb. metal. He placed his hand near the meeting of the two heavy objects and his left hand was caught in between, amputating the tip of his left 3rd and 4th fingers.

### Entangled in running equipment or machinery

- The operator was cleaning a film buildup off of a set of equipment leveler rolls. The leveler roll area is guarded with hinged guarding equipped with low voltage joy plug disconnects. The guarding was moved into the open position and the leveler rolls were opened to approximately 3". The operator used a tool to clean the film from the leveler rolls. Once completed, he selected the jog mode on the operator console to turn the leveler rolls for inspection to see if all of the film was removed. During the process of jogging the rolls forward, his hand was pulled into the leveler rolls causing a laceration to the palm at the base of the thumb of his right hand.
- Employee was working on a threading machine, where the shavings were balling up. He used a no-touch tool to remove the shavings. The threader head was still spinning, when part of the shavings got caught and pulled his hand into the disc guard of the machine displacing his right pinky finger and partially amputating the tip.
- Employee was using a grinder when the rope of his sweater was caught in the grinder which pulled up the string cutting his neck.

- An air winch cable was not spooling correctly so the technician unspooled it a couple of feet to try to get the cable to spool correctly. He may have accidentally hit the lever with his knee which caused the winch to start up catching his hand between the cable and drum of the winch and pulling his arm into the winch drum crushing and lacerating his right hand and arm and breaking his ribs.
- Employee was working on a machine that crushes brass shells in the main warehouse. A part was congested and he stuck his arm below the conveyor belt to remove it and the belt caught his shirt and pulled his arm in. He yanked a wire out of the main motor. Another employee came by and cut the conveyor belt to release his arm. He suffered a fractured right arm.

#### Exposure to heat – environmental

- Employee returning from her afternoon break started feeling dizzy, nauseous and shortness of breath and was admitted to the hospital. Suspected heat related illness.

#### Fall lower level stairs

- Employee twisted ankle going down stairs. He sat down to rest and passed out, fell off the chair, and hit his head on ground suffering a head injury.

#### Fall on same level

- Employee was using a pry bar to separate metal coils to create a gap so a chain could be inserted to lift and load the metal coils onto the flatbed trailer for shipment. During the process, the pry bar slipped and he fell backwards fracturing his left foot.

#### Struck by blade/knife/sharp object

- Employee operating a circular saw cutting a piece of wood and amputated his left thumb.
- Struck by falling object or equipment
- An employee was trying to flip a carbon steel metal plate with an overhead crane that was approximately 400 pounds, 2" thick, and 36" diameter. The metal plate fell from the overhead crane and fell on his right foot breaking bones in his foot.
- Employee was preparing an 831 lb shaft for grit blasting when the saw horse legs kicked up and the shaft began to fall. He tried to catch it and his abdomen was crushed by the shaft.
- Employee was working on a scaffold setting up a 30" pipe for pre-heat. The pipe was tack welded where the set up was taking place. Workers on the other end of the pipe removed the pipe fitting dogs. Fifteen minutes later the tack welds at the set up area failed. The employee's lanyard was between the pipe and the scaffold deck and when the tack weld fail this caused the pipe to fall pinching the employee's left knee up against the pipe and cracking his left fibia/knee.

#### Struck by flying object

- An employee was conducting abrasive blasting on a 2" wide support for a garden chair when he dropped the hose, blasting the back of his right leg behind the calf.

#### Struck by moving object or equipment

- Employee was operating a manual lathe machine to remove teflon from a 5" coated steel pipe. He forgot to secure the pipe and removed the strap from the tool and turned on the machine fracturing his left hand.

#### Struck by powered vehicle

- Two employees were rigging up a conveyor to be able to slide it out and lift it up with a forklift. One employee was on the opposite side of the conveyor and the other employee was operating the forklift. They did not see the forks or realize where the forks were and the tines on the forklift hit his lower left leg fracturing it.



### 333 - Machinery Manufacturing

#### Assault by other person

- A contractor employee was working as a welder/structural fitter. He was welding when a disgruntled employee stabbed him multiple times on the back, face and top shoulder.

#### Body movement

- An employee was working on an air handler that was moving on a conveyor system when he felt sudden discomfort. He was admitted to the hospital for a hernia.

#### Caught between moving objects or equipment

- Employee was using a crane to move a 6,000 lb part into another piece of equipment. As he move the part onto the equipment it did not fully fit inside and he had to make adjustments. He loosened the nylon straps on the lifting bail ring and as he made adjustments he place his hands between the nylon lifting straps and the lifting bail ring. The part suddenly dropped in to the other piece of equipment and in doing so the nylon straps tightened on the lifting bail ring crushing his fingers.

#### Caught between stationary and moving equipment or objects

- Employee was loading angle iron into a machine for cutting and pinched his finger between the angle iron and the machine clamp amputating the tip of the left middle finger.
- Employee was directing a fork truck operator on the placement of a 12' x 8' container onto a flatbed trailer. He was pointing to the place on the trailer that the container need to be to secure it for transport. He moved his hand and felt a tug on his right index finger and observed the tip of his right index finger was missing and called for help.
- An employee was attempting to remove a piece of cardboard from a conveyor that was still energized and his left hand was pinched between the bars and the cross member injuring a finger on his left hand.

#### Entangled in running equipment or machinery

- Employee was polishing a part using sand paper strips on a rotating polishing machine. While polishing a part his **gloved** hand was drawn into the machine when the glove was caught by the sand paper being used amputating the right index finger to second knuckle.
- Employee machining a part on a vertical lathe and was discovered inside the lathe with broken teeth, lacerations, and rib injuries.
- The employee, a foreman, saw an employee using a power drill and the drill bit was wobbling. He was attempting some adjustment with his **gloved** hand on the chuck, when the drill turned on, and his finger was caught in the rotating chuck causing an evulsion to the tip of his right middle finger requiring reconstructive surgery.
- Employee rethreading a nut on a housing of a motor using a drill. His **gloved** of hand was pulled into the drill bit as it was moving partially amputating the top of the left index finger.

#### Exposure to heat – environmental

- Employee was out on a service call when he started having symptoms of heat stress such as leg cramps. He called the ambulance and he was taken to the hospital.

#### Fall lower level ladder

- Employee was climbing a ladder to access the air handling unit and fell from the ladder fracturing his tibia and fibula.

#### Fall on same level

- Employee was walking from his workstation when he tripped on a sling and fell. He tried to break his fall with his arm and sustained a broken right wrist.

## Fire

- An employee was MIG welding on the frame of a forklift when his left arm caught fire and he received 1st and 2nd degree burns to his left arm.

## Injection

- Employee was taking a hydraulic cylinder off of a forklift. The cylinder was still under pressure and the when the cylinder was removed it de-gloved his left pinky finger and cut the left ring finger which was amputated by the doctors due to the injury of the tissue with the hydraulic fluid.

## Other/unknown

- Employee had ring fingers on both hands amputated.

## Struck by falling object or equipment

- Employee was operating an offset roll machine when a part rotated and fell from the machine, striking the employee and breaking his femur.
- Forklift operator stopped driving and decided to move 1320 lb. metal coils manually from the storage area to the forks of his forklift. While he was maneuvering a steel coil it fell on him causing lacerations, bruises, and possible fractures of the leg.
- The employee was going to hook a sling to a crane and was standing on top some equipment which sat on a skid about 18" off the ground He was helping to test a top drive unit and the unit was in vertical position. He touched a bail - parts of sling was wrapped around - and the bail failed to track. The bail brushed against his shin and then landed on his right foot. He pulled out the foot and fell backward about 5' to 7' from the bail bruising his metatarsal and tarsal on his right foot and stitches on the left arm.

## **334 - Computer and Electronic Product Manufacturing**

### Caught between stationary and moving equipment or objects

- An employee was cleaning his work area when his finger got smashed in a pneumatic vice press causing a laceration on his right index finger.

### Electrical burns

- Employee was testing an electrical drive panel using a fluke AC meter. The panel converts AC voltage to DC. His hand contacted an energized DC conductor burning his hand.

## **335 - Electrical Equipment, Appliance, and Component Manufacturing**

### Struck by powered vehicle

- Employee tripped or fell on flat ground and got his left leg run over by the telescoping forklift.

## **336 - Transportation Equipment Manufacturing**

### Caught between stationary and moving equipment or objects

- The employee was fabricating metal parts on a brake press and caught his hand in the press brake amputating his left index finger and crushing three other fingers.
- Employee was manufacturing a metal part and went to a brake press to flatten it. He was not trained on the brake press. When he cycled the machine, the part pinched his finger between the ram causing a laceration to his right thumb fingertip.

#### Fall lower level ladder

- An employee was descending a fixed ladder on a machine while carrying a small bag of chips in his hand. The employee was maintaining 3-points of contact until he was about half way down the ladder. He took an extra step without moving his hands to the next rung down which caused him to overextend his arms above his head. He then let go of the rung with both hands and attempted to grab the second rung down but was unable to and fell backwards off the ladder approximately 6'-7' to the surface below. Broken right ankle and fracture of left humerus.

#### Fall lower level structure or equipment

- Employee climbed on the mid rail of a paint lift (without wearing fall protection) to fix an air line with a pair of pliers. He fell out of the lift and struck a tank car below fracturing his pelvis.

#### Fire

- Employee was using a torch to cut a weld on an 18-wheeler when his coat caught on fire and he started running and the flames got bigger. He then started rolling and another employee got a jacket to put it out. Burns to chest and back.

### **339 - Miscellaneous Manufacturing**

#### Caught between moving objects or equipment

- A temporary employee was using a large bending machine to bend a piece of metal that was approximately 3/4" wide and 8' long. As he was guiding the material through the rollers on the machine his left little finger was caught and amputated. There was a similar incident on a small electric bending machine in the past and light guards had been installed but not on the large hydraulic bending machines yet.
- Employee was operating a machine when the tip of the **glove** caught the rollers causing an amputation to the tip of the left small finger.
- An employee was hand rolling a pipe and got their hand caught between two pipes partially amputating the tip of the right ring finger. There was a tool provided to move the pipe.
- Employee was air operating an actuator. A valve was in the open position and lying and sitting on a table/work bench. He went to move the valve to get a better look at the opening position of the ball valve and his hand slipped off the manual override. The valve went shut and his right index finger was cut off by the valve closing against the flange.

#### Electric shock

- Employee was in the process of changing out the fluorescent lamps inside a restaurant sign cabinet and came across an area that was not de-energized. He was shocked and fell approximately 6' inside the sign hitting the floor with his head. He was knocked unconscious and was not breathing.

#### Exposure to heat – environmental

- Employee was hospitalized after suffering a heat related illness.

#### Fall lower level nonmoving vehicle

- Employee was unloading a delivery truck when he lost his balance and fell from the back of the truck fracturing his pelvis.

#### Struck by blade/knife/sharp object

- An employee was using a handheld circular saw to trim a bathtub. The saw kicked back causing him to drop the saw onto his right foot resulting in a partial amputation of the right big toe.

## 423 - Merchant Wholesalers, Durable Goods

### Caught between

- Employee was in the process of moving a gate valve to a different pallet when his left middle finger was caught between the two hand wheels of the material mover amputating the tip of the left middle finger.

### Caught between moving objects or equipment

- An employee was loading pipe onto a truck using an overhead crane with chains being used as the lifting attachment. The chain slipped while he had his hand on the chain causing an amputation to the left ring finger up to the first knuckle.

### Exposure to cold

- An employee was working in the freezer storage section of the facility from 2 PM to 2 AM. Employee went home after his shift. The next morning, he called into work complaining about his right index finger feeling numb and he went to the hospital and was admitted for treatment of frostbite.

### Fall lower level nonmoving vehicle

- Employee was in back of truck and had picked up material and was backing up. He did not realize how close he was to the back of the truck and stepped off and fell out of the 4-5' bed landing on the back of his head receiving a severe concussion.

### Fall lower level scaffolding

- An employee was climbing over a scaffold handrail to access a pipe rack when he fell approximately 5' to a lower level landing on his right side fracturing ribs and his pneumothorax.

### Fall lower level structure or equipment

- Employee was loading an order of office chairs onto the second level of a semi-trailer truck which required other employees to pass the chairs up to him so he could roll them back across plywood flooring, which he was sitting on. At some point he attempted to stand up on the edge of the sheet of plywood which he had been sitting on, causing the plywood to shift and tilt vertically and he fell approximately 4-1/2' to the wooden floor of the trailer, landing on his back, head and neck.

### Fall on same level

- Employee was feeding a planer and lost his balance when his heel was caught on the table leg and he fell to the ground breaking his hip.
- Employee was bending a piece of 3/4" diameter round bar in a vice utilizing a 3" length of pipe over the bar for leverage. The pipe slipped off him to lose his footing and he fell to the ground compressing their left index finger between the length of pipe and their body.

### Struck by blade/knife/sharp object

- Employee was in the process of cutting a sample of ceramic tile. She placed her hand in the wrong place while cutting the tile and amputated her right pinky finger.

### Struck by falling object or equipment

- Employee was slowly transporting an electric motor via a lifting strap with a forklift while another employee was trying to keep the electric motor from swinging as the forklift passed under a door. The electric motor slipped out of the lifting strap and he tried to catch the falling electric motor severely cutting three fingers.

- Employee was removing finished spools to load new ones into a stranding machine. The spool he was removing still had a few wraps of wire left on it. As he lifted the spool, the end of the wire got hung up on the side of the cradle that supports the spool. He grabbed the wire to dislodge it, and it slipped striking him in the chest causing contusion/lacerations.
- Employee was putting pieces of steel on one side of the pallets and he turned around the pallets to put other pieces of steel on it when the steel pieces slipped and hit the employee's left foot breaking two toes.

#### Struck by moving object or equipment

- An employee was in process of unloading a truck when an unoccupied forklift rolled and struck him in the back injuring his back and pelvis.

#### Struck by shifting load or equipment

- Employee was adjusting the chuck jaws of a vertical mill and placing a 24" flange into the chuck so that the material would fit. While removing the sling strap the flange slipped and caught the tip of the right first finger at the base of the nail bed between the material and chuck jaw resulting in an amputation of the tip of her finger.

### **424 - Merchant Wholesalers, Nondurable Goods**

#### Burns chemical

- Employee tried to disconnect a rail car loading arm while the system was still pressurized and meta-para-cresole was splashed on him causing burns to face, back, arms and legs.
- Employee was mixing a 10% formic acid solution and lost handling of container, splashing herself and receiving mild chemical burns to hands/arms and respiratory distress.

#### Caught between moving objects or equipment

- Employee was fixing rollers on a conveyor that were not rolling when his right hand was caught in the pinch point area of a conveyor causing dislocated and lacerations in his right hand.

#### Caught between stationary and moving equipment or objects

- Employee was using a forklift to transport a mechanical part. During transport the part fell off the forklift and the operator looked sideways, not paying attention to where he was heading, and struck a support pole of the warehouse canopy. His left foot was sticking out of the equipment and got crushed between the forklift and the pole fracturing it.

#### Electric shock lightning

- Employee was helping to set up a tent for an event and was holding a metal pole. A nearby lightning strike caused a strong electrical current to hit the metal pole and the employee developed pain in his right arm.

#### Entangled in running equipment or machinery

- Employees were cleaning a mixing machine at the end of the shift. The operator rotated the blades as they cleaned. One employee stuck their arm in the mixer to remove a piece of meat and at that time the operator rotated the blades amputating the other employee's right hand.

#### Exposure to heat – environmental

- Employee was having shortness of breath and difficulty breathing while delivering beverages to various locations over a period of two days. He went to the hospital and was diagnosed with extreme dehydration.

#### Fall lower level nonmoving vehicle

- Employee was using a product picking machine without wearing a harness. While on the machines platform at a height of about 10' he fell causing blunt force trauma injuries to the body.

#### Fall lower level structure or equipment

- Two employees were attempting to raise the elevation of a working turn table. One employee hooked up an overhead crane and was preparing to pull the pins that would release the turn table so it could be raised. The employee operating the crane applied too much upward pull on the turntable before the pins were released causing it break the concrete anchors and pull the turntable out of the ground. This caused the other employee to be flung from the turntable breaking his lower right leg.

#### Fall on same level

- Employee was pregnant and had gone outside to remove a political sign someone left on the building and she slipped while re-entering the building, falling on her stomach area.

#### Struck by powered vehicle

- Employee was in an aisle doing cycle counts with a scanner and was struck by a forklift fracturing his skull and jaw.

### **441 - Motor Vehicle and Parts Dealers**

#### Entangled in running equipment or machinery

- Employee was performing engine maintenance and felt something like a shock. He pulled his hand out and saw his index finger was badly cut and missing part of the finger. He wrapped it up, turned off the car and informed a manager and was transported to the hospital. They found the finger and transported it to the hospital but it could not be reattached. It is believed he contacted the in-running fan belt of the engine which partially amputated his right index finger.

#### Fall from and struck by same vehicle

- Employee was pulling a truck into the service bay and he exited the vehicle while the vehicle was still in reverse. He tried to get back in the truck and hit the brake, but instead he hit the accelerator and fell out of the vehicle running himself over and fracturing his right foot.

#### Fall lower level ladder

- Employee was using an industrial ladder and was 3' up attempting to put a tire on a shelving rack when he fell off and injured his hip.

### **443 - Electronics and Appliance Stores**

#### Exposure to heat – environmental

- Employee was working in and out of a customer's attic pulling fiber optic cable when his body began cramping, with muscle contractions. He went to the hospital and had severe dehydration, causing kidney failure.

### **444 - Building Material and Garden Equipment and Supplies Dealers**

#### Fall lower level nonmoving vehicle

- Employee was using an order picker in an aisle at a home improvement store when he fell approximately 8' and sustained a laceration on his forehead and a fractured right wrist.

#### Fall on same level

- An employee was near the copy machine behind a commercial desk when she tripped over an electrical cord, fell and hit her head on the ground suffering a subdural hematoma.

#### Infection

- Employee got a splinter while handling wood pallets during stocking of some delivered materials. Later it was brought to a manager's attention the employee's finger appeared infected. The employee refused medical treatment and signed a form stating so. The infection progressed, resulting in emergency care and in-patient hospitalization, followed by amputation of the left middle finger.

#### Struck by falling object or equipment

- A stack of approximately 20 pieces of plywood fell on an employee's left leg, scrapping the leg and landing on top of left ankle fracturing both bones of the lower left leg

### **445 - Food and Beverage Stores**

#### Assault by other person

- An employee was monitoring a 4" pump line being used to pump flood water away from a retention pond next to the facility. Two men drove up to the employee and robbed and stabbed him in the abdomen.

#### Caught between moving objects or equipment

- Employee was collapsing an empty wire display bin. The bin slipped from under her and the sections collapsed pinching the tip of her right middle finger near the first joint resulting in an amputation and open finger fracture.
- An employee was pushing two stock carts and lost control of them when a customer stepped in her path. The two carts collided pinching off the tip of one of her fingers.

#### Caught between stationary and moving equipment or objects

- Employee was operating a forklift moving from one location to another and attempted to enter an area. He tried beating the rolling doors for the area, when it caught the mast of the forklift. He suffered a compound fracture to the left leg when it was caught between the forklift and the platform.

#### Fall from and struck by same vehicle

- Employee was operating a powered pallet jack and tried to avoid a puddle and fell from the platform causing her right foot to get lodged underneath the pallet jack fracturing her right heel.

#### Fall lower level stairs

- Employee was walking down the stairs and inadvertently missed a step and fell fracturing their right hip.

#### Fall on same level

- Employee was pulling tills out of the safe and backed up catching her foot caught on the carpet, and fell backwards to the floor fracturing her hip.
- Employee was pulling a pallet of product in the walk in freezer when he slipped and fell fracturing his hip.
- Employee was shopping during break and tripped and fell breaking her left hip.
- A maintenance employee was retrieving baskets in the parking lot and tripped and fell over a parking concrete stop. He finished his work shift. The following day, his daughter reported he was hospitalized with broken ribs and a punctured lung resulting from the fall.

#### Struck by blade/knife/sharp object

- Employee was trying to cut a top round steak at 1/8" for a customer. While cutting the steak his hand slipped causing his left middle finger to come in contact with the saw blade partially amputating the tip.
- Employee was cutting a beef shank with a meat saw when a bone struck the blade flipping it. His right index finger was amputated.
- The employee was cutting meat with a saw machine when the bone slipped and he cut his left index finger.
- Employee was using a bandsaw to quickly cut prime top sirloin in the meat department and amputated the tip of his right pinky finger which was later reattached at the hospital.
- Employee was cutting meat with a saw and his right hand slipped against the blade partially amputating his fingers from the index to the pinky finger.

#### **447 - Gasoline Stations**

##### Electric shock

- Employee was working in a new underground cable conductors that were not energized. He was using a machine to conduct a test to determine if the cable was ready to be energized and while using the machine he received a 2400 DC volt shock resulting in blisters on his right leg and red marks in his chest.

#### **448 - Clothing and Clothing Accessories Stores**

##### Fall lower level ladder

- Employee was removing a store front sign using an 8' step ladder and while coming down he slipped and fell backwards, hitting the sidewalk with the back of his head.

##### Fall on same level

- An employee was walking carrying pants inside the store and tripped over another employee's foot and fell fracturing her left hip and elbow.

#### **451 - Sporting Goods, Hobby, Musical Instrument, and Book Stores**

##### Body movement

- Employee was selecting items for delivery to a store, when he lifted an item weighing approximately 5 pounds and felt pain.
- Employee was transporting boats from the loading dock to the shipping lane was hospitalized with a cervical spine injury after lifting a boat.

##### Struck by powered vehicle

- Employee was using a walkie-rider PIT when he stopped the machine and stepped off the platform. The machine continued to roll after he stepped off and pinned his foot between the PIT and a metal guard rail on the floor fracturing his ankle.

#### **452 - General Merchandise Stores**

##### Assault by other person

- A man attempted to exit the store carrying a power tool combination kit without paying. An employee approached him and grabbed the merchandise. The man quickly pulled a firearm and shot him in the abdomen.

##### Body movement

- A dock employee picked up a box of plastic shopping bags began to have a muscle spasms.



Caught between stationary and moving equipment or objects

- Employee was using a walkie stacker to pull down a pallet of bags from steel rack. She backed up against a beam and ran the walker stacker over her foot causing compound fractures on her big and little toes.

Fall lower level ladder

- Employee climbed a ladder to pull down a boxed lawn mower and fell 4' from the ladder, striking the concrete and suffering head and brain injuries.

Fall on same level

- Employee was walking and tripped on a floor mat and fell fracture their right hip.

Struck by moving object or equipment

- Employee was taking a shopping cart out to the cart corral which is located on the sidewalk just outside the store entrance. A customer was in the process of parking and pressed the accelerator instead of the brakes and the car proceeded forward across the parking block, onto the sidewalk and struck the cart corral which then struck and pinned the employee fracturing his leg, ribs, and ankle.
- The employee was in the process of changing out a battery with another employee and as they were lifting the battery out of the forklift with the battery changer it hit the employee ankle and broke it.

Struck by powered vehicle

- A service technician was exiting a below-grade oil change bay when another technician pulled a vehicle in the bay, striking the exiting employee, and causing laceration and damage to his right ear.

#### **453 - Miscellaneous Store Retailers**

Caught between stationary and moving equipment or objects

- Employee was delivering pool supplies when the rope used to lift the roll up door on the back of the truck got stuck. He attempted to use the powered lift gate to get the rope out by operating the lift gate and inadvertently positioned his left index finger between the lift gate and the truck. The lift gate crushed the tip of his left index finger against the truck amputating the tip of his left index finger with an open fracture.

Fall lower level ladder

- Employee was pinning up items in the stock room and missed the last step of a step ladder while descending it causing a snap in her knee.

#### **454 - Nonstore Retailers**

Burns

- A trainee employee was connecting a propane hose to a cylinder tank and his hand hit the handle to open the valve by accident. The propane hose came a loose and the employee's jacket was soaked with the propane and he received propane burns on his left leg, left ankle, right wrist, and abdominal area.

#### **481 - Air Transportation**

Caught between stationary and moving equipment or objects

- Employee was doing a safety walk around a departing aircraft in preparation for departure. While doing the walk around he noticed that the forward wing slat was deployed and a piece of rubber stripping was protruding. He attempted to push the rubber back in with his hand. In doing so the slat retracted and trapped his right hand at the index and middle finger tips amputating the tip of the index finger to the nail cuticle.

Fall lower level nonmoving vehicle

- An employee was unloading a semi-trailer truck and as he was repositioning a pallet stepped on some moisture and slipped and fell 4'-5' off the truck onto the pavement fracturing his left leg.

#### **482 - Rail Transportation**

Fall from and struck by same vehicle

- Employee was attempting to board a rail car moving about 2 mph and fell down. His left foot was run over and the hospital amputated his leg to just below the knee.

#### **483 - Water Transportation**

Fall lower level structure or equipment

- Employee working to make an IBC connection for intermodal transport fell from the structure when he stepped on a previously damaged section breaking his right wrist and dislocating his right elbow.

Struck by tool

- Employee was repairing a steering column on a mobile crane and struck his finger while hitting a pin with a hammer amputating the right index fingertip.

#### **484 - Truck Transportation**

Body movement

- Truck driver noticed he had a little bit of a swollen leg and several days later went to the emergency room and admitted for a blood clot in the leg.

Caught between stationary and moving equipment or objects

- Employee was trying to hook up a dolly to a trailer when he slipped while the dolly was moving and his hand got caught between the dolly and the trailer crushing his left ring and middle fingers.
- Employee was performing a pre-trip inspection on his pallet jack when it suddenly began to move forward pinning his left leg between the pallet jack and a guard rail breaking his leg.

Entangled in running equipment or machinery

- An employee performing maintenance on a piece of machinery had his fingertips amputated when his hand was caught in a belt drive.

Explosion of pressure vessel, piping, or tire

- An employee was operating the controls to steer and level the trailer. A tire on the trailer made contact with curb and the tire exploded with a loud pop causing ringing in ear and reduced hearing the following day.

Fall lower level nonmoving vehicle

- Employee was unloading pipes from a truck when he tripped over a screw that was sticking up on the trailer. The screw normally holds the sub frame on the trailer duck. This screw had backed out and was sticking up. He fell about 3.5' off the trailer injuring his right hip.
- While attempting to disconnect trailer, the employee stepped up onto the trailer catwalk and slipped on a wet surface and fell to the ground fracturing his left hip and multiple ribs.
- An employee was removing a tarp from the flatbed when a bungee strap broke causing him to fall off the flatbed and breaking four ribs.

## Infection

- Driver stepped in a mud puddle in the yard and his second toe on his right foot became infected and was later medically amputated.

## Struck by blade/knife/sharp object

- Employee was doing repair to an RV using a flashlight and during the maintenance it fell inside the engine. He reached in to retrieve it while the engine was running and the rotating fan stuck his right hand amputating his pinky, ring finger, part of his middle finger.

## Struck by falling object or equipment

- Employee was unloading a furniture box at customer location and the box fell and hit his right ankle breaking it.

## Struck by rolling object or equipment

- Employee was helping unload pipe from a truck with a forklift. A pipe was lowered onto 4x4s and rolled forward off the tines, jumped the chock, and rolled over him breaking his right leg, cracking 3 ribs, and breaking his collar bone.

## 488 - Support Activities for Transportation

### Burns hot liquids

- The employee was cleaning a railcar that was previously carrying a phenol material. He noticed a valve in the railcar was clogged so he applied steam to the clog for 20 minutes to melt the material. Once complete, he opened the valve, which had built up pressure, forcing the phenol and steam out of the pipe and onto the employees face and neck causing 1st degree burns to his face and neck.

### Caught between moving objects or equipment

- Employee was in the process of hooking a safety latch to unload a windmill with a crane. The vessel he was working on moved a little bit which created tension on the hook. His left ring finger was caught in between the safety latch amputating the tip of the left ring finger and fracturing the bone.
- Employee under a wharf crane was in the process of resetting a water side twist lock while the crane operator was hoisting the spreader bar. The bar and containers shifted and crushed his fingers resulting in an amputation.

### Caught between stationary and moving equipment or objects

- Employee was working in the warehouse when another employee pushed a load forward using another forklift causing him to be trapped between the load and the forklift fracturing his right foot and dislocating a toe.
- Employee was cleaning the transfer system. He put his hand on a pipe and the sliding gate to the transfer system closed back to its original position, resulting in the employee suffering the amputation of all the fingers on his left hand from the knuckles and up.
- Worker was offloading a 55 gallon steel trash can drum into a larger 30 yard roll off trash container and was rolling the drum inside the container on edge. While he had his hand under the bottom of the barrel, getting ready to dump the trash contents of the drum, the barrel shifted quickly and pinched his right thumb between the container and the drum causing a deep laceration with tendon and nerve damage.
- Employee was positioning a steel plate to be welded to the bottom of a railroad car got his left index and middle fingers caught in between the steel plate and the railroad car causing a fracture.

### Entangled in running equipment or machinery

- Employee was offloading baggage from an airplane using a belt loader. He was wearing a **scarf** and the scarf became tangled in the belt loader belt and pulled him into the opening between the belt and the guard causing swelling and a small fracture to the throat.

#### Fall lower level ladder

- Worker was descending from a windmill fixture when he fell from the fixed ladder that is attached to the fixture. He fell 9' to the deck of the vessel breaking his leg.
- Maintenance employee was working from an A-frame ladder and fell breaking his right arm.

#### Fall lower level structure or equipment

- An employee was trying to dislodge a container lock on a vessel when he fell from a catwalk to the deck surface receiving a compound fracture to the lower right leg.

#### Fall on same level

- Employee was leaving the facility after her shift ended and was walking slowly with a cane and reached out to the desk for stability and collapsed on the floor possibly breaking her hip.

#### Other/unknown

- Employee suffered bleeding on the brain while loading bags of resin into containers at the loading docks when he struck his head through a small opening between the container and the loading dock door frame.
- Driver was in his truck under a crane when the operator landed on the reefer container that he was hauling. When the crane operator picked up the reefer the chassis was still locked on the rear and it picked up the chassis and the truck approximately 1' off the ground with driver inside. Hospitalized.

#### Struck by blade/knife/sharp object

- Employee was cutting lumber with chainsaw for blocking and bracing of cargo that was loaded into the ship's hold. The chainsaw made contact with his left foot lacerating and fracturing his left foot.

#### Struck by falling object or equipment

- The employee was installing a coupler in a rail car. While he was installing the coupler, the coupler got stuck to the forklift forks and as they were attempting to loosen the coupler, it unstuck and fell onto his right foot causing an open fracture to the big toe.
- Employee was using a driveline to make repairs to a truck when it slipped out of his hand and landed on his knee fracturing his femur.
- A lasher employee was removing a container lasher rod on a top tier rack about 20' above the ground level on a vessel while another lasher was working on the middle rack approximately 10' below him. The 8-10' and 1-1/2" diameter lasher rod popped out of the container corner casting and fell out of his hand and fell and struck the lasher employee below on the left eyebrow bone causing a laceration. He fell in and out of consciousness while being examined and was taken to the hospital.

#### Struck by moving object or equipment

- Employee was inside of a cargo hold on a ship guiding in a load of steel slabs using the load chain. The load hit a 2x4 causing it to pop up, partially amputating the tip of his pinky finger between the load chain and the 2x4.
- The employee was unloading containers from an aircraft. He was pulling a pallet when his foot got stuck and the pallet rolled over his left foot causing pain, swelling, and bleeding to his toes.

#### Struck by powered vehicle

- Employee was standing on the dock waiting for a container to be off-loaded so that he could place container twist-locks on it. He moved in too close while the driver was pulling off and the rear axle of the trailer chassis struck him fracturing his pelvis and right hand.

- Employee was talking with a forklift operator and then starting talking to another forklift operator. The first forklift operator went and finished loading and returning to the dock and struck him while he was still talking with the other forklift operator. He received a broken left ankle with contusions and bruising on the right ankle.
- Employee was hired as a truck driver and was parked waiting outside on the back platform of his truck when another employee and truck driver headed towards the crane to be loaded rear ended him. He fell down to the trailer bed and sustained a head injury.

#### Struck by shifting load or equipment

- Employee was discharging pipe from a ship hold and fell into a hole caused by the pipe shifting fracturing his right leg in the process.

#### Struck by swinging load or equipment

- Employee was working near the operator that was discharging fertilizer and he was struck by the grab bucket crushing his leg.

### **491 - Postal Service**

#### Body movement

- An employee was spinning equipment around in the back of a truck to offload on the dock and felt a pain in his lower abdomen requiring surgery to repair a hernia.

#### Exposure to heat – environmental

- Employee had finished a shift delivering mail and reported not feeling well. It was unknown whether the symptoms were heat related or due to recent medical treatment or a combination of both. He went to an emergency room later that night and was admitted due to symptoms.
- Mail carrier came back in not feeling well and had an aggravated heartbeat. Heat related illness.
- An employee had signs of confusion and heavy breathing while training with another employee delivering mail and suffered a heat related injury.

#### Fall on same level

- Employee tripped over the corner of a wooden platform, fell, and broke her elbow.

#### Insects, snakes, animals

- Employee was delivering mail to residential house when two pit-bulls came out and them causing injuries to the right forearm, left forearm, left hand, left ring finger.

### **492 - Couriers and Messengers**

#### Exposure to heat – environmental

- Employee was not feeling well on Tuesday and continued to work up until Wednesday. He felt worse on Thursday, he could not sleep and he could not use the restroom. He went to urgent care and was transported to the hospital and admitted due to a low kidney function. Heat exhaustion.

#### Fall on same level

- An employee was setting up mesh bags and she slipped on one of the bags and dislocated her right ankle.

#### Struck by blade/knife/sharp object

- Employee was unloading a package using an extended conveyor. When he finished unloading, he tried to take apart the conveyor and while doing so, sliced his right thumb and index finger.

## **493 - Warehousing and Storage**

### Burns hot liquids

- A laborer was tasked to clean out a tank hose. To clean the hose, he turned on a steam line with too much pressure causing the hose it was connected to to whip around and release steam that burned the employee. He suffered thermal burns from steam on his chest and left arm.

### Caught between stationary and moving equipment or objects

- Employee was operating material handling equipment when he hit a column in the warehouse. Just before impact, he stuck his foot outside of the equipment causing his foot to be caught between the column protector and the bottom of the standup forklift fracturing his ankle.
- Employee was operating a dock jeep and got his head caught between the safety bars of the dock jeep and the trailer bay door he was closing. He had his foot on the deadman switch to close the trailer bay door. He received multiple facial fractures and a right temporal intracranial skull fracture.
- Employee was backing up a forklift. His right hand was holding onto the forklift cage and his hand was caught in between the cage of the forklift and the plywood pallet amputating the right pinky and middle finger above the knuckle.
- Employee was operating a stand-up forklift when he struck a pole crushing/fracturing his left hand.
- Employee was operating a stand-up forklift when she backed up around the corner and ran into the forks of another forklift that had been left in the raised position. The stationary forklift forks were approximately 8-10" off of the ground and lacerated her right leg. They originally received 10-12 stitches but the wound got infected and they were admitted to the hospital.

### Struck by blade/knife/sharp object

- Employee was moving wooden pallets onto the floor in the dry shipping dock. He pushed a wooden pallet with his hands and a wood splinter punctured the right hand.

### Struck by falling object or equipment

- Employee was loading steel beams and the load shifted and fell on his legs and ankle breaking his legs.

## **517 – Telecommunications**

### Caught between stationary and moving equipment or objects

- Employee was assisting contractors repairing the facility gate. He placed his hand on the wrong place and the gate pulley rolled onto his hand amputating the tip of his right middle finger between the gate pulley and the road.

### Exposure to heat – environmental

- While working at customer resident installing fiber optic service the employee started to feel cramping in his stomach and right arm and back area. He texted that he was ill and his manager called the technician to speak to him and then traveled to his location with Gatorade since he indicated he wanted to complete the work he started. The employee went home and was later taken to the ER by his wife. Severe dehydration
- Employee went into a store after doing an install because he was feeling ill. Someone called an ambulance when he started doubling over in pain from heat cramps. He was admitted to the hospital for heat exhaustion.

### Fall lower level ladder

- Employee was descending a ladder after completing an installation and lost contact with the ladder, fell to the ground and fractured his left wrist.

- The employee and three others were working on cable pairs doing elevated work. He was up about 20' on a ladder that was leaning on a strand. He was working mid-strand when the strand gave way causing him and the ladder to fall fracturing the L3 vertebrae.

Fall through surface

- Employee was working in a customer's attic above the second story when he fell through the ceiling two stories to the first floor injuring his shoulder.

### **522 - Credit Intermediation and Related Activities**

Fall lower level stairs

- Employee was walking up stairs and fell fracturing her foot.

### **523 - Securities, Commodity Contracts, and Fin Investments and Activities**

Fall on same level

- Worker was exiting the office space via the rear door when a wind gust pushed a door mat up causing her to trip on the mat and fall fracturing the left femur.

### **531 - Real Estate**

Struck by moving object or equipment

- Employee was performing preventative maintenance on an air handler. He was checking the belts that rotate the shaft and the belt struck his finger amputating the tip of his right middle finger.

### **532 - Rental and Leasing Services**

Caught between stationary and moving equipment or objects

- A truck was departing the facility and stopped at the gate. An employee was walking over to the passenger side of the truck to talk to the driver and got caught in between the gate and the truck as the gate was closing. He was crushed and sustained internal bleeding.

Exposure to heat – environmental

- An employee was connecting generator cables to each other and he felt nauseous and light headed. He got into the truck to cool down and he and the other technician drove back to the branch. The branch manager called the internal company nurse line who recommend that the employee go to the hospital based on his symptoms and previous health history. Potential heat stress.

Insects, snakes, animals

- An employee was in the process of loading furniture into a customer's car and was stung by a bee. He had an allergic reaction and was hospitalized.

Other/unknown

- Employee drove the company car into another vehicle in the pumping area and suffered breathing issues and convulsions.

Struck by powered vehicle

- An employee was pulling in a car and ran into the back of another employee that was cleaning another car injuring his back and neck.

## **541 – Professional, Scientific, and Technical Services**

### Arc flash

- Employee had been doing an infra-red scan of a 600 Volt, 4000 amp electrical switchgear panel with the cover exposing the live parts. He was reportedly wearing arc rated PPE including shirt and pants, face shield and insulated gloves. While replacing the cover on the panel, an arc flash fire occurred and he received second degree burns to the legs, wrist and neck.

### Burns

- The employee was removing water from the cleaning bay with a portable pump when an explosion occurred at the pump causing burns to his body and surrounding work area.

### Caught between stationary and moving equipment or objects

- Employee was positioning a tube for soil extraction when another employee started the extruder and his hand was caught between in the tube causing crushing injury/amputation to the ring, middle and index fingers.

### Exposure to heat – environmental

- Employee was working as a surveyor in the field. He was from San Antonio and just got to Houston area to work. He was not get used to the Houston weather and was sweating a lot, so he got back to the truck to drink water. He then went back to the hotel. However, he suffered muscle cramps, and his coworker took him to the hospital. Dehydration.

### Fall lower level ladder

- An employee was attempting to mount an extension ladder to descend into a 5' trench and missed a step and fell into the trench fracturing a vertebrae.

### Struck by moving object or equipment

- Employee was performing maintenance on a drill rig and a chain coupler was dislodge causing it to strike an employee in the lower back fractured discs and bruising his lower back.

### Struck by powered vehicle

- Employee was in the process of pulling an empty pipe dolly "grasshopper" into a horizontal position to wheel it to the staged piping area. An extended boom forklift operator was driving westbound and the front right tire of the forklift struck him fracturing his pelvis and left leg femur.
- Employee was positioning himself as a safety guide or wing walker to guide a departing aircraft to a gate and was struck by a van being driven by a vendor as he was walking near the vehicle service road.

## **561 - Administrative and Support Services**

### Assault by other person

- Employee was exiting an armored truck to make a delivery and an attempted robbery occurred and he was shot in the arm.

### Caught between moving objects or equipment

- Employee was carrying two plastic drums/containers and the top one bounce and pinch his left thumb fracturing the tip.

### Caught between stationary and moving equipment or objects



- Employees were using a forklift to move a piece of steel onto a structure. One employee had his hands placed at the wrong spot and was caught in between the load and the structure causing a crushing injury and amputation of the tip of his right ring finger.
- One employee was driving and another employee was riding the scissor lift and the employee riding the scissor lift was pinned between scissor lift rail and an exterior metal door frame breaking ribs and causing blood in his lungs.

#### Electrical burns

- An employee trimming a tree and was shocked when the branch he was cutting came close enough to a power line that electricity arced over to him causing minor burns to his right hand and toes.

#### Entangled in running equipment or machinery

- Employee was attempting to troubleshoot a moving conveyor that wasn't working properly when a chain pulled his **glove** into the machine crushing his left middle finger and amputating the index finger.

#### Exposure to heat – environmental

- Employee was on the second floor of an apartment complex collecting trash from each floor and began feeling lightheaded and dizzy and sat down. His co-worker walked from the 3rd floor to the 2nd floor and found him sitting down. He was very hot, and the co-worker recognized the signs of heat related illness and called 911. He was transported to the hospital and admitted to the hospital for a heat related illness.

#### Fall lower level

- Employee was attempting to repair a water leak on a pier and fell approximately 15" breaking his femur.

#### Fall lower level nonmoving vehicle

- Employee was dragging boxed furniture off a truck trailer. The truck was not backed up all the way to the building and his leg slipped between the truck and building suffering leg and hip injuries.

#### Fall lower level stairs

- A security guard was going up a flight of stairs and missed a step and fell landing on his right side fracturing the right hip socket.

#### Fall on same level

- Employee was mopping the floor and ran to prevent the door from closing and slipped and fell injuring his left hip.

#### Struck by

- Employee was power washing concrete @4500 psi and ran the water across his right foot cutting right big toe and was hospitalized and required surgery.

#### Struck by falling object or equipment

- Employee was holding the ladder while another employee was on top of the ladder installing wiring for a new security system. An object fell out of the box on top of the ladder and struck the employee below between the brow and eye lacerating his cornea.
- Employee was throwing a pallet into the dumpster when the pallet shifted and landed on his right ring finger partially amputating it.

#### Struck by flying object

- Temporary employee was inside a porta potty while another employee was steam spraying/pressure washing a pipe when a welding rod shot out from the pipe going through the outside of the porta potty and striking her in the abdomen. Estimated pressure was 130 psi.

#### Struck by powered vehicle

- Employee was driving his golf cart style vehicle to an aircraft. His vision was blocked by two large baggage carts and as he was driving past the carts, his vehicle was T-boned by another vehicle and he suffered a broken left leg.
- Security guard was patrolling a complex on a golf cart and collided with a stationary trailer lacerating his right leg, contusions to his body, bruised aorta, and blood clot in heart.

#### Struck by rolling object or equipment

- Employee driving a forklift got off to roll and reset a 1565 lb coil. He pulled the coil towards himself and it rolled and caught his ankle causing lacerations and a compound fracture.

#### Struck by tool

- An employee was assigned to hydroblast a 3" pipe approximately 4" inches long. The pressure of the system is approximately 14000 psi. He saw the hose exiting the pipe and it struck him on the left side of his buttocks area causing a high pressure puncture wound.

### **562 - Waste Management and Remediation Services**

#### Burns chemical

- During a truck inspection, an employee opened a valve on the truck and was sprayed with phenol and detergent suffering burns on his forehead, abdominal, chest and under arm.

#### Caught between moving objects or equipment

- While helping another employee to close a fence, an employee had his finger caught between the top horizontal post and the metal guide roller amputating the tip of his finger.

#### Caught between stationary and moving equipment or objects

- Employee was rigging up a component of a very large transformer to remove it by lifting it off the main transformer body using an all-terrain telescoping forklift. He was positioned on top of the transformer and completing the rigging with lifting hooks. The forklift operator accidentally bumped the joystick causing the boom to drop and catching the employee's arm between the boom and a metal beam causing broken bones to the right arm.
- Employee was driving a forklift in reverse. He was twisted and facing the rear of the lift with his right hand holding onto the cage support arm. He made a tight U-turn and hit a parked man lift. He pinched his right hand between the support arm of the lift and the counterweight on the man lift fracturing bones in his right hand and sustaining contusions and lacerations.

#### Exposure to harmful substances

- Employee was cleaning a liquid bulk tank truck and was exposed by inhalation and dermal contact with aniline and was hospitalized.

#### Exposure to heat – environmental

- Employee had been working on his route and on the way to the landfill he stopped for lunch. After lunch on the way to the landfill he told the driver that he was not feeling good and needed an ambulance. Dehydration

- Employee was servicing trash containers in residential neighborhood when he started complaining of weakness in his legs and requested an ambulance be dispatched. Ambulance was dispatched and employee was transported to the hospital for a heat related illness.
- A garbage collection crew was on its way to a landfill when one of the employees became ill with cramps and started sweating. He was taken to the hospital and admitted for treatment for heat stress and dehydration.

#### Struck by falling object or equipment

- Employee was using a ratchet type lifting device to lift the pull-behind-hydro-seeder tongue off of the hitch of the bull dozer that had been pulling it to disconnect it. He suffered an amputation of the fourth toe on his left foot when the tongue of a hydro seeder fell on his foot crushing his left foot and toes.

#### Struck by powered vehicle

- The trash truck was stopped collecting household trash when a vehicle ended it, striking our employee who was dumping debris into the back of the truck causing crushing injuries.
- An employee was struck by a vehicle while guiding a pick-up truck out of a refining unit. He bent over to pick up an 8" hose and was struck by a vehicle fracturing his heel.
- Employee was working as a helper on the back of a garbage truck when the truck was rear-ended by a white pick-up truck breaking his ankle.

### **621 - Ambulatory Health Care Services**

#### Assault by other person

- A manager asked an office assistant to circle something on a patient treatment plan. The assistant responded aggressively saying "I know!" then came up behind to office manager's put her arm around her neck and squeezed popping her neck and was admitted to the hospital.

#### Exposure to harmful substances

- Employee was working in her office and became ill and fainted from painting vapors in the area and was admitted to the hospital.

#### Fall lower level stairs

- Employee suffered a broken patella and sprained right ankle when they missed a step and fell.

#### Fall on same level

- Employee tripped over her own feet and fell onto tile floor fracturing her left hip.

### **622 – Hospitals**

#### Body movement

- Employee was moving a patient and strained her neck resulting in extreme pain and was admitted to the hospital.
- Employee lifted a patient and sustained an inguinal hernia injury which required a surgery.

#### Fall lower level stairs

- Employee was walking down the stairs and missed a step and fell fracturing her right lower leg and ankle.
- Employee was walking down the stairs talking on the phone and tripped and fell fracturing her left ankle.
- Employee was walking down flight of stairs and missed a step, causing her to fall to the ground level and she fractured her shoulder area, lacerations, and trauma to face/head.

Fall on same level

- Employee was mopping the restroom and lost her balance causing her to fall and strike her left elbow. Her elbow was bleeding and swollen with a possible fracture.
- Employee was talking with a patient and stepped backwards, tripped, and struck her head on the wall sustaining a subarachnoid hemorrhage.
- Employee was walking outside and slipped and fell fracturing their right ankle.
- Clerk was walking toward a patient room when she fell on her right side resulting in a mild displaced fracture of the humeral neck of the right arm/shoulder.
- Employee slipped and fell on her right arm fracturing it.
- Employee unlocked the incorrect portion of a two part door which left a metal lip at the bottom of the door and they tripped when they walked through the opening and fell fracturing the lower left leg.
- Employee in patient room tripped over machine cord while administering dialysis and fell to floor injuring leg.

### **623 - Nursing and Residential Care Facilities**

Fall on same level

- Employee was sitting at the reception area when a resident asked for help. She got up and her right foot got tangled with her left foot causing her to fall and fracture her left hip.
- An employee was making beds in a room at a senior living facility when she tripped over a corner of the bed causing her to fall resulting in a dislocated and fractured right shoulder.

### **624 - Social Assistance**

Struck by blade/knife/sharp object

- Employee was attempting to start the lawn mower and when he pulled the cord, the mower lifted and landed on his left foot, resulting in partial amputation of the big toe.

### **711 - Performing Arts, Spectator Sports, and Related Industries**

Fall on same level

- A stage hand tripped while rolling a box over a cable ramp and fell backward on the same level striking her head.

### **713 - Amusement, Gambling, and Recreation Industries**

Fall lower level moving vehicle

- Employee was mowing the greens near a retaining wall when the tire of the mower got caught on the edge of the wall. He jumped from the mower about 5'-6' and landed on the ground fracturing a vertebrae in his back.

### **721 – Accommodation**

Entangled in running equipment or machinery

- Employee was in the laundry room moving items from an industrial washer to an industrial dryer. She grabbed the laundry with her right hand while the washing was still spinning and her arm got stuck in the laundry causing injuries to her arm at the elbow joint, tendons and ligaments were ripped and her elbow was taken out of socket.

### **722 - Food Services and Drinking Places**

Fall lower level ladder

- Employee was using an 8' step ladder to access boxes that were stored on an upper shelf and he fell injuring his lumbar spine.

### Burns hot liquids

- Employee opened up a manway cover while walking on an elevated walkway. Steam jackets were still on and when the manway cover was opened wort boiled out of the kettle hitting him on the chest and lower abdomen causing 1st degree burns on chest and abdomen, 2nd burns on left arm, and 3rd degree burns on lower abdomen/waist line.

### Fall on same level

- Employee was preparing chicken meal boxes in a kitchen and walked over to the counter where the meal boxes located and stepped on a fry and fell on her knee. She later experienced pain in stomach and went to the hospital with empirical strain due to her pregnancy.
- Employee was in process of putting up a tray of cut coleslaw in cooler and tripped over a late delivery box of produce that was lying on the floor in the cooler area he didn't see. He fell and when his knee his the concrete floor, he broke his right femur.

### Struck by blade/knife/sharp object

- Employee was using a manual slicer to slice potatoes when a potato got jammed in the slicer. While removing the potato, the slicer came down on the employee's finger amputating the tip of his middle finger.

## **811 - Repair and Maintenance**

### Arc flash

- Employee was screwing a face-plate on an electrical gutter and an arc flash occurred resulting in burns.

### Burns chemical

- Employee was flushing a transloading hose with cresylic acid into an intermediate bulk container when the hose slipped out of the tote and splashed residual product onto him causing burns to his face and eyes.

### Entangled in running equipment or machinery

- An air compressor was leaking oil and an employee was trying to determine the source of the leak . A second employee had secured the circuit breaker inside the building, to add oil, but had turned it back on. There is a disconnect switch near the compressor outside which was energized at the time of the incident. The air compressor appears to have cycled on, and the injured employee had his arm inside of a shroud covering a fan and had his right arm amputated below the elbow.
- Employee was wearing headphones while operating a paint buffer when the cord became entangled in the buffer amputating the tip of his left index finger.
- Employee was filling cushions with blown polyester fiber and suffered an amputation of their right hand when they reached into the machines fiber drum.

### Explosion of pressure vessel, piping, or tire

- Employee was doing a follow up to a preventive maintenance that was done on a previous day. A pipe got pressurized and exploded resulting in his leg being amputated.

### Insects, snakes, animals

- Employee was bitten by a spider and admitted to the hospital for cellulitis.

## **812 - Personal and Laundry Services**

Insects, snakes, animals

- Employee went to put a pet dog back into his run and there was another dog there. She was between the two dogs when the pet dog noticed the other dog and went toward the kennel trying to attack and bit her thigh.
- A nurse was weighing a cat and placed her on the baby scale. The cat was fine getting weighed. The nurse went to pick the cat up to place it back in the kennel and the cat just jumped on her face claws extracted and just started scratching her on her face and would not let go causing scratches on the face and above the right eye.

## **922 - Justice, Public Order, and Safety Activities**

Infection

- Employee was loading a weapons magazine and received a laceration on his right thumb, which later became infected and he was hospitalized.

## **924 - Administration of Environmental Quality Programs**

Fire

- Temporary employee was cutting metal using a cutting torch when some hot metal popped up and landed on the back of his shirt. He was wearing a leather apron that welders use but his shirt caught on fire and he suffered severe burns to his back and was admitted to hospital.

**In FY 2019 the #1 most frequently cited recordkeeping standard by Federal OSHA was failure to report an in-patient hospitalization, amputation, or loss of an eye within 24 hours. #3 was failure to report a fatality within 8 hours.**

1904 Standard	Cited	Narrative
1904.39(a)(2)	818	Within twenty-four (24) hours after the in-patient hospitalization of one or more employees or an employee's amputation or an employee's loss of an eye, as a result of a work-related incident, you must report the in-patient hospitalization, amputation, or loss of an eye to OSHA.
1904.40(a)	184	When an authorized government representative asks for the records you keep under part 1904, you must provide copies within 4 business hours
1904.39(a)(1)	114	Within eight (8) hours after the death of any employee as a result of a work-related incident, you must report the fatality to the Occupational Safety and Health Administration (OSHA), U.S. Department of Labor.

**In FY 2019 the #2 most frequently cited recordkeeping standard by the Houston OSHA offices was failure to report an in-patient hospitalization, amputation, or loss of an eye within 24 hours. #5 was failure to report a fatality within 8 hours.**

1904 Standard	Cited	Narrative
1904.41(a)(2)	25	If your establishment had 20 or more employees but fewer than 250 employees at any time during the previous calendar year, and your establishment is classified in an industry listed in appendix A to subpart E of this part, then you must electronically submit information from OSHA Form 300A Summary of Work-Related Injuries and Illnesses to OSHA or OSHA's designee. You must submit the information once a year, no later than the date listed in paragraph (c) of this section of the year after the calendar year covered by the form.
1904.39(a)(2)	22	Within twenty-four (24) hours after the in-patient hospitalization of one or more employees or an employee's amputation or an employee's loss of an eye, as a result of a work-related incident, you must report the in-patient hospitalization, amputation, or loss of an eye to OSHA.
1904.40(a)	5	When an authorized government representative asks for the records you keep under part 1904, you must provide copies of the records within 4 business hours
1904.29(b)(3)	5	You must enter each recordable injury or illness on the OSHA 300 Log and 301 Incident Report within seven (7) calendar days of receiving information that a recordable injury or illness has occurred.
1904.39(a)(1)	3	Within eight (8) hours after the death of any employee as a result of a work-related incident, you must report the fatality to the Occupational Safety and Health Administration (OSHA), U.S. Department of Labor.

\*Disclaimer: Fatalities, catastrophes, serious incident reports are logged or recorded in various mediums and reports are generated using various sorting criteria. Houston specific data is edited to determine a count of fatalities/catastrophes or Serious Incident Reports (SIRs) under OSHA jurisdiction and may change over time as records are updated. Narratives are generally based on the first report of the incident and are rewritten and edited for brevity and/or readability and may not reflect the final results of an investigation. The incidents are a snap shot in time and may not be an exact count and are provided for accident prevention purposes, trending, and educational purposes and is not intended to be a statistical study or evaluation.

If you're interested in a presentation to your group or association or would like to be notified of free workshops conducted periodically by the Houston North OSHA Office contact Jim Shelton, CAS, at [shelton.james@dol.gov](mailto:shelton.james@dol.gov)