

Enforcement Case File Information

*Accident Information • Victim Information • Inspection Information • Attachments •
Violation Information • Case File Checkout Card • View ARC • Citation • Summary Report • Letters*

Enforcement Accident Information

FAT/CAT Number	Inspection Number / Program	UBI / Bus Loc	Account ID / Site Region
102416312	317937532 / Health	600105206 / 339553	01190701 / 1055360
CSHO ID / CSHO Name		CSHO Region	OSHA Accident Number
Y1116 (b) (6), (b) (7)(C)		1055360	1013646
Primary NAICS	Primary NAICS Description		
423930	RECYCLABLE MATERIAL MERCHANT WHOLESALERS		
Site Address		Mailing Address	Event Address
PACIFIC RECYCLING 1114 N Ralph Spokane, WA 99214		PACIFIC RECYCLING 5 River Dr South Great Falls, MT 59405	PACIFIC RECYCLING 1114 N Ralph Spokane, WA 99214
Person in Charge at Scene		Employer Contact	
(b) (6), (b) (7)(C)		(b) (6), (b) (7)(C)	
Phone:		Phone: (b) (6), (b) (7)(C)	
Fax:		Fax:	
Email:		Email:	
Source of Report		Other Contact	
(b) (6), (b) (7)(C)		Phone:	
Source Type: Employer/Employer Representative		Fax:	
Phone: (b) (6), (b) (7)(C)		Email:	
Fax:			
Email:			
How Reported: Phone			
OIS Investigation Number		Victim List	
202758007		Edward Dumaw (b) (6), (b) (7)(C)	
Date/Time Reported	Event Date/Time	When Will/Did DOSH Arrive at Scene Date/Time	Classification
8/12/2015 1:12 PM	8/12/2015 9:45 AM	8/12/2015 4:45 PM	A
Number of Employees	Number of Fatalities	Hospitalized Injuries	
120	1	4	
Non-Hospitalized Injuries	Number Unaccounted For	Type of Event	
		Chemical release	

Preliminary Description			
<p>Employees were working when a chlorine tank was being crushed by a compactor/shreading maching and a yellow cloud came out. Five employees were taken to the hospital; four were admitted and one released. One of the admitted went into cardiac arrest and was pronouced dead on 8/15/2015. Employees of other nearby businesses were also affected. Multiple emergency agencies responded.</p>			
Assigned To	Assigned Supervisor	Inspection Planned	Case Received Date
Y1116 (b) (6), (b) (7)(C)		Yes	2/1/2016
Reason If No Inspection			

Enforcement Victim Information

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Inspection Number / Program	Triggering Activity	UBI / Bus Loc	Account Number
317937532 / Health	102416312	600105206 / 339553	01190701
Establishment DBA / Legal Name		Assignment Type / Site Region	CSHO / CSHO Region
PACIFIC RECYCLING / PACIFIC HIDE & FUR DEPOT DBA PACIFIC HIDE &		Accident / 1055360	Y1116 (b) (6), (b) (7)(C) / 1055360

Last Name	First Name	Age	Gender	Union	# Minor Children
Dumaw	Edward	44	Male		
Injury	Nature of Injury	Part of Body			
Work-Related Fatality	Burn (chemical)	Lung			
Source of Injury	Task	Event Type			
Chemical Liquids/Vapors	Regularly Assigned	Inhalation			
Environmental Factors					
Gas, vapor, mist fume, dust, etc. condition					
Human Factors					
Misjudgment of Hazardous Situation					
Next of Kin Name		Relationship To Victim	Phone		
(b) (6), (b) (7)(C)		(b) (6), (b) (7)(C)	(b) (6), (b) (7)(C)		

Last Name	First Name	Age	Gender	Union	# Minor Children
(b) (6), (b) (7)(C)	(b) (6), (b) (7)(C)	(b) (6), (b) (7)(C)	Male		
Injury	Nature of Injury	Part of Body			
Hospitalized	Burn (chemical)	Lung			
Source of Injury	Task	Event Type			
Gases	Regularly Assigned	Inhalation			
Environmental Factors					
Gas, vapor, mist fume, dust, etc. condition					
Human Factors					
Misjudgment of Hazardous Situation					

Last Name	First Name	Age	Gender	Union	# Minor Children
(b) (6), (b) (7)(C)	(b) (6), (b) (7)(C)	(b) (6), (b) (7)(C)	Male		
Injury	Nature of Injury	Part of Body			
Hospitalized	Burn (chemical)	Lung			
Source of Injury	Task	Event Type			
Gases	Regularly Assigned	Inhalation			
Environmental Factors					
Gas, vapor, mist fume, dust, etc. condition					
Human Factors					

Misjudgment of Hazardous Situation

Last Name	First Name	Age	Gender	Union	# Minor Children
(b) (6), (b) (7)(C)	(b) (6)	(b) (6)	Male		
Injury	Nature of Injury	Part of Body			
Hospitalized	Burn (chemical)	Lung			
Source of Injury	Task	Event Type			
Gases	Regularly Assigned	Inhalation			
Environmental Factors					
Gas, vapor, mist fume, dust, etc. condition					
Human Factors					
Misjudgment of Hazardous Situation					

Last Name	First Name	Age	Gender	Union	# Minor Children
(b) (6)	Rd (b) (6), (b) (7)	(b) (6)	Male		
Injury	Nature of Injury	Part of Body			
Hospitalized	Burn (chemical)	Lung			
Source of Injury	Task	Event Type			
Gases	Regularly Assigned	Inhalation			
Environmental Factors					
Gas, vapor, mist fume, dust, etc. condition					
Human Factors					
Misjudgment of Hazardous Situation					

Enforcement Inspection Information

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Inspection Number / Program		Triggering Activity	UBI / Bus Loc	Account Number	
317937532 / Health		102416312	600105206 / 339553	01190701	
Establishment DBA / Legal Name		Legal Entity	Assignment Type	Site Region	Inspection Scope
PACIFIC RECYCLING / PACIFIC HIDE & FUR DEPOT DBA PACIFIC HIDE &		Corporation	Accident	1055360	Partial
CSHO ID / CSHO Name		CSHO Region	Target List / Rank	On List	OSHA Inspection Number
Y1116 / (b) (6), (b) (7)(C)		1055360	None	Y	1112158
Primary NAICS		Primary NAICS Description			
423930		RECYCLABLE MATERIAL MERCHANT WHOLESALERS			
Site NAICS		Site NAICS Description			
423930		RECYCLABLE MATERIAL MERCHANT WHOLESALERS			
Site Address			Mailing Address		
PACIFIC RECYCLING 1114 N Ralph Spokane, WA 99214 Phone: (509) 545-0688			PACIFIC RECYCLING 5 River Dr South Great Falls, MT 59405 Phone: (406) 791-8535 Fax: (406) 727-9833		
Representatives					
Name	Title	Participation	Type	Email	
(b) (6), (b) (7)(C)	(b) (6), (b) (7)(C)	Opening Conference, Walk-Around, Closing Conference	Management Official		
(b) (6), (b) (7)(C)	(b) (6), (b) (7)(C)	Opening Conference, Walk-Around, Closing Conference	Management Official		
(b) (6), (b) (7)(C)	(b) (6), (b) (7)(C)	Closing Conference	Management Official		
Other Languages Spoken					
No Other Language records to display.					
Additional Citation Mailings					
No Additional Citation Mailings Found					
Related Activities					
OSHA Number			Type		
102416312			Accident		
Advance Notice	Opening Conference Date/Time	Site SIC/NAICS	Type of Operation		
No	8/12/2015 - 4:45 PM	/ 423930	Scrap metal recycler		
Inspection Type	Days Site Visited	Inspection Scope	Reason No Inspection		
Accident	6	Partial			

Asbestos Certifications				
No Certifications Found				
Local Emphasis Program	National Emphasis Program	Special Tracking Information	Cranes	
		Joint Inspection		
Multi-Employer Controlling Inspection Number	Focused Inspection: Controlling Employer	Focused Inspection: Sub-Contractors	Employers On Site	
317937532	No	No		
Immediate Restraint	Red Tag Number	Union	Hospitalization	
No		No	No	
Employees On Site	Employees Covered By Inspection	Employees Controlled Statewide		
31	31	746		
Employee Participation	Closing Conference Date/Time	Citation Issued/Date	Case Received Date	
Interviewed	1/20/2016 - 8:50 AM	Yes 2/5/2016	2/1/2016	
Citation Sent Date	Citation Delivery Status	Citation Delivery Status Date		
2/5/2016	DELIVERED	2/9/2016		
Citation and Notice Messages				
Route to P&TS	Reason	Other Reason		
No				
Anticipatory Warrant/ Subpeona Served	Non-Anticipatory Warrant/ Subpeona Served	Date Denied	Date Re-entered	
None	None			
CSHO Approved Date / CSHO Approved	CSHO Supervisor	Supervisor Approved Date / Supervisor Approved	Send C & N?	Case Closed Date
1/28/2016 / Y1116 (b) (6), (b) (7)(C)	B2108 (b) (6), (b) (7)(C)	1/28/2016 / B2108 (b) (6), (b) (7)(C)	Yes	
Inspection Summary				
Inspection opened: 8/12/15 with (b) (6), (b) (7)(C) (b) (6), (b) (7)(C) and (b) (6), (b) (7)(C) (b) (6), (b) (7)(C)				
Inspection closed: 1/20/16 with (b) (6), (b) (7)(C) and (b) (6), (b) (7)(C) regional compliance manager (B2108 (b) (6), (b) (7)(C) CSHO in training (P2984), and (b) (6), (b) (7)(C) CSHO in training (J5872) were in attendance.				
Inspection was initiated based on a report of a hazardous materials (chlorine) leak at the Pacific Steel and Recycling facility. Inspection was opened with the assistant operations manager and the safety director.				
A 1-ton chlorine tank was loaded on a Pacific Steel truck at a site in north Spokane. The truck driver dropped his load at the crusher/shear. The chlorine tank was placed in the crusher/shear. When the crusher was started the tank ruptured releasing chlorine. The resulting gas cloud caused five (5) Pacific Steel employees to be hospitalized and one eventually passed due to cardiac arrest. (b) (6), (b) (7)(C) regional compliance manager accompanied me on one day of interviews during this inspection.				

An unprogrammed related inspection was opened with Spokane Fire Department related to the hazardous materials response (317937636) at Pacific Steel and Recycling.
Review with central office held 12/23/15.

- 1-1: APP not effective in practice
1-2: Training programs not effective in practice

OSHA 300 Information

Year	OSHA 300 Data	OSHA Log Information	Hours Worked By All Employees	Annual Average Number of Employees	DART Rate	
2015	Data Checked Not Recorded					View
2014	Data Checked Not Recorded					View

Letters - Case

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Description	Create Date	View
Fatality Memo	8/21/2015	View
Closing Conference Highlights	1/19/2016	View
Citation	2/3/2016	View

Attachments - Inspection Report

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Description	Notes	Create Date	View
Initial Inspection	APP	8/18/2015	View
Initial Inspection	2015 TRAINING	8/18/2015	View
Initial Inspection	1 of 2	1/28/2016	View
Initial Inspection	2 of 2	1/28/2016	View
Initial Inspection	site drawings	1/28/2016	View
Inspection Photos		1/28/2016	View
Inspection Photos		1/28/2016	View
Inspection Photos		1/28/2016	View

Attachments - Confidential

Description	Notes	Create Date	View
Initial Confidential Documents		1/28/2016	View
Initial Confidential Documents		1/28/2016	View
Confidential Photos		1/28/2016	View
Confidential Photos		1/28/2016	View

Enforcement Violation Information

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Inspection Number / Program		Triggering Activity		UBI / Bus Loc		Account Number		
317937532 / Health		102416312		600105206 / 339553		01190701		
Establishment DBA / Legal Name				Assignment Type / Site Region		CSHO / CSHO Region		
PACIFIC RECYCLING / PACIFIC HIDE & FUR DEPOT DBA PACIFIC HIDE &				Accident / 1055360		Y1116 (b) (6), (b) (7) (b) (6), (b) (7) 1055360		
Violation	Item	Group	Type	Standard	Penalty	Instances	Abatement Days/Date	Date Corrected
1	1		S	296-800-14025	3,300.00	1		8/13/2015
1	2		S	296-800-14020	3,300.00	1		8/13/2015
Total Penalty: \$6,600.00								

Inspection Number / Program		UBI / BusLoc		CSHO ID / CSHO Region	
317937532 / Health		600105206 / 339553		Y1116 / (b) (6), (b) (7)(C) 1055360	
Triggering Activity		Account Number		Assignment Type / Site Region	
102416312		01190701		Accident / 1055360	
Violation #	Item #	Group	Standard Violated		
1	1		296-800-14025		
Type	Number of Instances	Number of Workers Exposed	Related Event Code	Previous Inspection # (for repeat or FTA)	
S	1	5	Accident		
Abatement # of Days/Date	Immediate Restraint	Egregious	Substance	Abatement Documents Required	
	No	No		No	
Date Corrected	Complied During Inspection	Date Verified	How Verified	Date/Time Violation Identified	
8/13/2015	Yes	8/13/2015	Employer Abated	8/13/2015 10:00 AM	
Statutory Penalty	Asbestos Good Faith	Asbestos # of Days	Severity	Probability	
No	No		3	1	
Gravity	Gravity Based Penalty	Faith / Adj	Size / Adj	History Adj	
3	3000.00	Average 0.00	251+ 0.00	Below 300.00	
Quick Fix / Adj	Adjusted Subtotal	Calculated Base	Adjusted Base	Base Applied	
No 0.00	300.00	3,300.00	3,300.00	3,300.00	
Base Applied Override Justification					
N/A					
Willful Factor Number	Repeat Factor Number	FTA Factor Number of Days	Calculated Penalty	Assessed Penalty	
N/A	N/A	N/A	3,300.00	3,300.00	
Assessed Applied Override Justification					
N/A					
The employer did not establish, supervise, and enforce their accident prevention program in a manner that is effective in practice. The employer had written policies that indicated no "pressurized gas cylinders/sealed containers" would be accepted into its facility prior to being "degauged or visible" employer'					

<p>AVD</p>	<p>policy also said "tanks/drums (w/out empty tank certificate)" would not be accepted. The employees worked in a scrap metal yard and placed a one-ton chlorine tank into a crusher/shear. Exposure to unknown chemicals can cause injury or death.</p>
<p>Message</p>	
<p>How Complied</p>	<p>Employer updated APP and retrained employees.</p>
<p>Violation Summary Text</p>	
<p>Documentation</p>	<p>What was the hazard and location? Employer did not establish, supervise, and enforce your accident prevention program in a manner that is effective in practice. A closed 1-ton chlorine tank was accepted and shipped by an employee to its scrap metal recovery facility, then placed into a crusher/shear. The chlorine tank had not been devalved or checked for contents, when crushed the tank ruptured and chlorine gas was released.</p> <p>What were the applicable measurements or exposure data? (Make, Model, Serial Number, Height, Etc.) Employer had a written material acceptance policy and a training policy that indicated no "pressurized gas cylinders/sealed containers" would be accepted into its facility prior to being "degauged or visible" employer' policy also said "tanks/drums (w/out empty tank certificate)" would not be accepted. See attached policy. See attached Employee-owner Health, Safety & Transportation Training Guide.</p> <p>Employer's Material Acceptance Policy Management Plan (attached) lists numerous examples of items not accepted, barrels and drums, compressed gas cylinders, above ground and underground storage tanks. This same plan had photos of examples of unacceptable items. No company policy adequately addressed what employees should do when a large sealed unknown container entered company possession, either on a truck, or into the facility yard. Employee interviews indicated employees had a good knowledge of most acceptance policies. Employee interviews indicated employees knew that petroleum tanks (above- or under-ground) needed to have a hole and be free of material. Employees knew that small gas cylinders like propane tanks, acetylene tanks, medical gasses could not be accepted. Employees also knew that small sealed cylinders that were in the facility needed to be put aside into the "cage" but, employees had not been provided adequate direction related to what to do with large sealed containers like boiler tanks, water tanks, or in this case a chlorine tank.</p> <p>How are employees exposed to the hazard? The chlorine tank had not been devalved or checked for contents. When crushed the tank ruptured and chlorine gas was released. Five employees went to the hospital due to chlorine exposure. One hospitalized employee died as a result of the exposure.</p> <p>How long has the hazard existed? At least one shift.</p> <p>Employee Exposure Information: (Name and Job Title) Ed Dumaw, Operator (b) (6), (b) (7)(C)</p>

	<p>(b) (6), (b) (7)(C)</p> <p>What did employee(s) say about this violation/hazard?</p> <p>When asked what type of tank he thought it was (b) (6), (b) (7)(C) said, "it looked like a big water tank to me." When asked as a follow-up what are the instructions for tanks?, (b) (6), (b) (7)(C) replied, "for fuel tanks and oil tanks there is a hole cut, but for water tanks no."</p> <p>(b) (6), (b) (7)(C) stated in the future he should refuse pickup, and/or do paperwork on all tanks.</p> <p>(b) (6), (b) (7)(C) stated he thought it was a hot water tank or a boiler and "I would've thrown it in the pile." When asked if large water tanks or boilers get holes, or vented he said "no". When asked if large tanks or boilers get valves removed or holes put in them (b) (6), (b) (7)(C) said, "No" (b) (6), (b) (7)(C) said the chlorine tank "looked like a big water tank to me". When asked what are the instructions to follow when getting tanks (b) (6), (b) (7)(C) said for fuel and oil tanks there is a hole cut, but for water tanks, no. When asked about pressure sealed tanks (b) (6), (b) (7)(C) said, "we take 'em to (b) (6), (b) (7)(C) shop and cage". The cage is a secure locked area.</p> <p>What did management say about this violation/hazard?</p> <p>When asked what policies and procedures were in place to ensure employees knew what to do when large sealed containers made it into the possession of the company (b) (6), (b) (7)(C) said "that is a fair question" as we continued the discussion (b) (6), (b) (7)(C) indicated that procedures would be put in place to provide employees information and instruction on this topic.</p> <p>In the preliminary investigation report provided by Pacific Steel and Recycling the report noted that "The employees who observed the vessel did not identify it as material which could not be accepted, or as a container subject to the company's existing rule that all tanks, cylinders, containers and the like be punched, de-valved or otherwise cleared prior to acceptance as scrap."</p>
<p>Severity</p>	<p>One employee died and four others required hospitalization as a result of chlorine exposure. Injuries expected from a chlorine IDHL atmosphere include acute toxicity due to inhalation, severe permanent damage to the pulmonary system, pulmonary edema, pneumonitis, hypoxemia, and death.</p>
<p>Probability</p>	<p>Frequency of exposure/number of employees exposed: 5 employees, rare exposure.</p> <p>Instances or number of times the hazard is identified in the workplace: 1</p> <p>Employee proximity to the hazard: Varied, worst exposures were Immediate to IDHL environment created by the burst tank.</p> <p>Weather and other working conditions: Outdoors, warm and sunny. There was wildfire haze present.</p> <p>Employee skill level and training: Employees all had multiple years of experience. Written training programs are generally good, but the employer's programs training programs were not effective in practice. See violation 1-2.</p> <p>Employee awareness of the hazard: No employee had seen, or knew about, this type of 1-ton chlorine tank.</p> <p>Pace/speed/nature of task/work:</p>

		<p>By employee accounts it was a normal day prior to the release.</p> <p>Use of personal protective equipment: NA</p> <p>Other mitigating or contributing circumstances (Mitigating circumstances may lower the probability; contributing may raise the probability): There was no DOT, HMIS or other hazard labeling on the tank. Another issue discussed with (b) (6), (b) (7)(C) was that the tank was not secured in the truck. Chlorine tanks of this size should be secured during transport. It appears that the tank was removed from service prior to adoption of modern labeling rules. Exposures to noise would be the most serious injury that would be reasonably expected from a tank rupture in the crusher/shear. The shear is lidded when in use, projectiles would not be expected to escape. Chlorine tanks that have not been decommissioned would not be reasonably anticipated.</p>	
Quick Fix			
Good Faith		<p>Is management's commitment at all levels apparent? In general yes, but the material acceptance policy did not appear to be a high priority.</p> <p>Are employees clearly involved in the safety and health programs? Yes. Safety committee meetings and employee trainings were well documented by employer.</p> <p>Are safety and health policies communicated and applied? In general yes, but the material acceptance policy did not appear to be a high priority.</p> <p>Is there evidence of the overall safety and health program, including a written accident prevention program (APP), other required written programs, training, etc.? Yes, employer's written programs were well written. Employer mentioned that L&I consultation performs regular consultations.</p> <p>What is the employer's injury and illness rate? 0.7588</p>	
History		<p>What is the employer's statewide history of previous WISHA violations for the past three years? 3 compliance inspections, 1 serious, 2 repeat generals, 13 general violations. 28 consultation inspections</p>	
Photos	Yes	Photos	1
Photo ID	Photo Type	Description	
DSCN1215.JPG	Public	Chlorine tank in Metso Shear - employer provided photo	View Print Form

Inspection Number / Program		UBI / BusLoc		CSHO ID / CSHO Region	
317937532 / Health		600105206 / 339553		Y1116 / (b) (6), (b) (7) (b) (6), (b) (7)(C) 1055360	
Triggering Activity		Account Number		Assignment Type / Site Region	
102416312		01190701		Accident / 1055360	
Violation #	Item #	Group	Standard Violated		
1	2		296-800-14020		
Type	Number of Instances	Number of Workers Exposed	Related Event Code	Previous Inspection # (for repeat or FTA)	
S	1	5	Accident		
Abatement # of Days/Date	Immediate Restraint	Egregious	Substance	Abatement Documents Required	
	No	No		No	
Date Corrected	Complied During Inspection	Date Verified	How Verified	Date/Time Violation Identified	
8/13/2015	Yes	8/13/2015	Employer Abated	8/13/2015 10:00 AM	
Statutory Penalty	Asbestos Good Faith	Asbestos # of Days	Severity	Probability	
No	No		3	1	
Gravity	Gravity Based Penalty	Faith / Adj	Size / Adj	History Adj	
3	3000.00	Average 0.00	251+ 0.00	Below 300.00	
Quick Fix / Adj	Adjusted Subtotal	Calculated Base	Adjusted Base	Base Applied	
No 0.00	300.00	3,300.00	3,300.00	3,300.00	
Base Applied Override Justification					
N/A					
Willful Factor Number	Repeat Factor Number	FTA Factor Number of Days	Calculated Penalty	Assessed Penalty	
N/A	N/A	N/A	3,300.00	3,300.00	
Assessed Applied Override Justification					
N/A					
Employer did not develop, supervise, implement, and enforce safety and health training programs that are effective in practice. Employees worked in a scrap metal yard and were not provided adequate instruction related to how to deal with unknown large sealed containers. A 1-ton chlorine tank was accepted					

<p>AVD</p>	<p>from an off-site location and shipped by employee to its facility, then placed into a crusher. Employer did not confirm tank had been devalved or checked for contents. Exposure to unknown chemicals can cause injury or death.</p>
<p>Message</p>	
<p>How Complied</p>	<p>Employer updated training program and trained employees.</p>
<p>Violation Summary Text</p>	
<p>Documentation</p>	<p>What was the hazard and location? The employer did not establish, supervise, and health and safety training that was effective in practice. A closed 1-ton chlorine tank was accepted and shipped by an employee to its scrap metal recovery facility, then placed into a crusher/shear. The chlorine tank had not been devalved or checked for contents, when crushed the tank ruptured and chlorine gas was released.</p> <p>What were the applicable measurements or exposure data? (Make, Model, Serial Number, Height, Etc.) Employer had a written training policy that indicated no "pressurized gas cylinders/sealed containers" would be accepted into its facility prior to being "degauged or visible" employer' policy also said "tanks/drums (w/out empty tank certificate)" would not be accepted. See attached policy. Employer had performed training on "Materials Acceptance Policy" in October 2014. See attached training documentation.</p> <p>How are employees exposed to the hazard? The chlorine tank had not been devalved or checked for contents, when crushed the tank ruptured and chlorine gas was released. Five employees went to the hospital due to chlorine exposure. One hospitalized employee died as a result of the exposure.</p> <p>How long has the hazard existed? Several months.</p> <p>Employee Exposure Information: (Name and Job Title) Ed Dumaw, Operator (b) (6), (b) (7)(C)</p> <p>What did employee(s) say about this violation/hazard? (b) (6), (b) (7)(C) said, "the drivers could be trained more to see what too look for, what we don't want in loads." When asked how do you get instructed on hazards (b) (6), (b) (7) said once guys get the memo the hazards are quickly identified. When asked if large tanks or boilers get valves removed or holes put in them (b) (6), (b) (7) said, "No" When asked what type of tank he thought is was (b) (6), (b) (7) said, "it looked like a big water tank to me." When asked as a follow-up what are the instructions for tanks?, (b) (6), (b) (7) replied, "for fuel tanks and oil tanks there is a hole cut, but for water tanks no." When asked how do you get instructed on hazards (b) (6), (b) (7)(C) said once guys get the memo the hazards are quickly identified. When asked what are the instructions to follow when getting tanks (b) (6), (b) (7) said for fuel and oil tanks there is a hole cut, but for water tanks, no. When asked about pressure sealed tanks (b) (6), (b) (7) said, "we take 'em to (b) (6), (b) (7) shop and cage". The cage is a secure locked area.</p>

	<p>What did management say about this violation/hazard? In the preliminary investigation report provided by Pacific Steel and Recycling the report noted that "The employees who observed the vessel did not identify it as material which could not be accepted, or as a container subject to the company's existing rule that all tanks, cylinders, containers and the like be punched, de-valved or otherwise cleared prior to acceptance as scrap.</p>
Severity	<p>One employee died and four others required hospitalization as a result of chlorine exposure. Injuries expected from a chlorine IDHL atmosphere include acute toxicity due to inhalation, severe permanent damage to the pulmonary system, pulmonary edema, pneumonitis, hypoxemia, and death.</p>
Probability	<p>Frequency of exposure/number of employees exposed: 5 employees. Employer had performed training on "Materials Acceptance Policy" in October 2014. Though, no specific guidance related to what to do with large unknown sealed containers was provided. See attached training documentation.</p> <p>Instances or number of times the hazard is identified in the workplace: 11iniis</p> <p>Employee proximity to the hazard: Varied, worst exposures were Immediate to IDHL environment created by the burst tank.</p> <p>Weather and other working conditions: Outdoors, warm and sunny. There was wildfire haze present.</p> <p>Employee skill level and training: Employees all had multiple years of experience. Written training programs are generally good, but the employer's programs training programs were not effective in practice.</p> <p>Employee awareness of the hazard: No employee had seen, or knew about, this type of 1-ton chlorine tank.</p> <p>Pace/speed/nature of task/work: By employee accounts it was a normal day prior to the release.</p> <p>Use of personal protective equipment: NA</p> <p>Other mitigating or contributing circumstances (Mitigating circumstances may lower the probability; contributing may raise the probability): Employees had been provided training to look for recognizable hazard warnings on the tank. There was no DOT, HMIS or other hazard labeling on the tank. It appears that the tank was removed from service prior to adoption of modern labeling rules.</p>
Quick Fix	
	<p>Is management's commitment at all levels apparent? In general yes, but the material acceptance policy did not appear to be a high priority.</p> <p>Are employees clearly involved in the safety and health programs? Yes. Safety committee meetings and employee trainings were well documented by employer.</p>

Good Faith	<p>Are safety and health policies communicated and applied? In general yes, but the material acceptance policy did not appear to be a high priority.</p> <p>Is there evidence of the overall safety and health program, including a written accident prevention program (APP), other required written programs, training, etc.? Yes, employer's written programs were well written. Employer mentioned that L&I consultation performs regular consultations.</p> <p>What is the employer's injury and illness rate? 0.7588</p>			
History	<p>What is the employer's statewide history of previous WISHA violations for the past three years? 3 compliance inspections, 1 serious, 2 repeat generals, 13 general violations. 28 consultation inspections</p>			
Photos	Yes	Photos	1	
Photo ID	Photo Type	Description		
DSCN1215.JPG	Public	Chlorine tank in Metso shear - employer provided photo.	View	Print Form

Total Penalty: \$6,600.00