

STATE OF CALIFORNIA  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

\*W.C. Carrier Travelers

NARRATIVE SUMMARY

Establishment Name: EDCO Waste & Recycling Services Inc.	Inspection Number: 315343236
Management Contacted: John Snyder, #1 Robert Kresky #2 Shelton Stamps #3 Armando Noreiega #4	Title: Vice President & General Manager Director of Safety & Environmental Compliance Director of Operations & Maintenance Maintenance Manager - EDCO

Information on Injured	Worker's Compensation: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Name, Address and Phone Number	Occupation
Venustiuano Noriega #5, [REDACTED]	Mechanic

Witness Names(s) and Title \* Check box preceding name if confidentiality is given.

* Names and Title(s)	Address	Phone No.	Signed Statement? Y/N
Jose Sanches #6 - Maintenance Shop Foreman - EDCO	[REDACTED]	[REDACTED]	N
Jessie Gardinio #7 - Mechanic - EDCO	[REDACTED]	No phone # provided	N
Jim Ek #8, Lemon Grove Fire Dept.	[REDACTED]	[REDACTED]	N

*Summary:*

**INTRODUCTION**

At approximately 1613 hours on 12/31/11 Employee #1 reported to the Division Than Employee #5, a regular employee of EDCO Waste and Recycling Services Inc. (EDCO), suffered a broken pelvis while connecting a hydraulic cylinder to the packer device in a garbage truck. Employee #5 was working in the truck maintenance facility for the Employer. The employer is a company that picks up garbage from residential and business properties throughout the area. Emergency medical treatment was provided by paramedics from Lemon Grove Fire Dept. Employee #5 was transported to Scripps Mercy Hospital where he was hospitalized in excess of 24 hours. The employer properly reported the injury to the Division in accordance with T8 CCR 342(a). The Division opened its inspection on 1/13/12.

**ACCIDENT DESCRIPTION**

At the time of the accident Employee #5 was working with Employee #6 and #7 in the truck body (Model #34 Ranger Serial #08-1149-08 of garbage truck #765, CA license #8T20986. The three employees were in the process of installing/connecting two hydraulic cylinders that were attached to the truck body to the movable packer of the garbage truck. For the cylinders to be connected to the packer, the cylinders needed to be extended outward and be pinned to the packer. To extend the hydraulic cylinders the trucks hydraulic system was connected to the hydraulic cylinders and use the trucks hydraulic system to extend the cylinders outward. The use of the truck's hydraulic system to extend the hydraulic cylinders was a planned action known by all three employees.

At the time that hydraulic pressure was applied to the cylinders, Employee #5 stated that he was in the hopper area standing on top of the packer. Employee #7 was located in front of the packer inside the truck body behind the truck wall. When the cylinders were being extended out it is believed at least one of the two cylinders contacted the packer causing it to move. Employee #5 stated that when the packer moved, he fell down with his legs in-between the packer and the fixed wall of the truck body. Employee #5 received crushing type injuries when his body was pinched between the packer and the fixed truck body wall. The movement of the packer was stopped by employee #6 when Employee #7 yelled to Employee #6 to stop the hydraulic pressure. There were no guards installed to protect or prevent either Employee #5 or #7's arms or limbs from entering the danger zone of the packer/truck body's pinch point if the packer were to move for any reason. Additionally the packer was not blocked or otherwise made incapable of movement.

#### **CONCLUSION:**

Before any repair work can be accomplished on the mobile compactor the employer is required under T8 CCR 4355(c)(5) to have a lockout procedure complying with T8 CCR3314. Garbage Truck #765, CA license #8T20986 is a mobile compactor which was undergoing repairs/replacement of the packer's hydraulic cylinders. The employer's written lockout procedures reviewed at the time of the inspection did not fully comply with 3314.

Regarding guarding of the point of operation/pinch point of the packer:

- Employee's #5 and #7 were working in close proximity to the Danger Zone of the point of operation of the packer/pinch point.
- The point of operation/pinch point for the packer and the truck body was not guarded to prevent employee exposure at the time the hydraulic cylinders were being extended for connection to the packer.
- The packer was not blocked or otherwise immobilized to prevent movement while the hydraulic cylinders were being extended.
- It would be expected that the packer would move outward into the pinch point/point of operation of the truck body if any contact is made between the extending hydraulic cylinder and the packer as the packer is designed to move outward into the garbage truck body when the cylinders are extended.
- Contact between the extending hydraulic cylinders and the packer is likely due to the size and shape and limited amount of space underneath and behind the packer.

#### **REGULATORY ACTION:**

The following citations will be issued:

##### **Serious:**

T8 CCR 3314. The Control of Hazardous Energy for the Cleaning, Repairing, Servicing, Setting-Up, and Adjusting Operations of Prime Movers, Machinery and Equipment, Including Lockout/Tagout.

(g) Hazardous Energy Control Procedures. A hazardous energy control procedure shall be developed and utilized by the employer when employees are engaged in the cleaning, repairing, servicing, setting-up or adjusting of prime movers, machinery and equipment.

(1) The procedure shall clearly and specifically outline the scope, purpose, authorization, rules, and techniques to be utilized for the control of hazardous energy, and the means to enforce compliance, including but not limited to, the following:

(A) A statement of the intended use of the procedure;

(B) The procedural steps for shutting down, isolating, blocking and securing machines or equipment to control hazardous energy;

(C) The procedural steps for the placement, removal and transfer of lockout devices and tagout devices and responsibilities; and,

(D) The requirements for testing a machine or equipment, to determine and verify the effectiveness of lockout devices, tagout devices and other hazardous energy control devices.

(2) The employer's hazardous energy control procedures shall be documented in writing.

(A) The employer's hazardous energy control procedure shall include separate procedural steps for the safe lockout/tagout of each machine or piece of equipment affected by the hazardous energy control procedure.

AVD:

On or before 12/31/11 the employer's Hazardous Energy Control Procedures for Truck Maintenance did not address the required elements discussed in T8 CCR 3314(g)(1)(B, D), T8 CCR 3314(g)(2) and T8 CCR 3314(g)(2)(A).

**Willful Serious:**

T8 CCR 3314. The Control of Hazardous Energy for the Cleaning, Repairing, Servicing, Setting-Up, and Adjusting Operations of Prime Movers, Machinery and Equipment, Including Lockout/Tagout.

(h) Periodic inspection.

The employer shall conduct a periodic inspection of the energy control procedure(s) at least annually to evaluate their continued effectiveness and determine necessity for updating the written procedure(s).

(1) The periodic inspection shall be performed by an authorized employee or person other than the one(s) utilizing the hazardous energy control procedures being inspected.

(2) Where lockout and/or tagout is used for hazardous energy control, the periodic inspection shall include a review between the inspector and authorized employees of their responsibilities under the hazardous energy control procedure being inspected.

(3) The employer shall certify that the periodic inspections have been performed. The certification shall identify the machine or equipment on which the hazardous energy control procedure was being utilized, the date of the inspection, the employees included in the inspection, and the person performing the inspection.

AVD:

On or before 12/31/11 the employer failed to perform Periodic Inspections required by T8 CCR 3314(h).

The Employer had been previously notified of the requirements of periodic inspections through citations that had been issued in prior cases.

**Serious Accident Related:**

T8 CCR 4002. Moving Parts of Machinery or Equipment.

(a) All machines, parts of machines, or component parts of machines which create hazardous revolving, reciprocating, running, shearing, punching, pressing, squeezing, drawing, cutting, rolling, mixing or similar action, including pinch points and shear points, not guarded by the frame of the machine(s) or by location, shall be guarded.

AVD:

On and before 12/31/11 the employer failed to guard the pinch point of the Garbage Truck's (#765, CA License # 8T20986) body and packer. As a result, on 12/31/11 an employee suffered a serious injury while replacing the packer's hydraulic cylinders.

**Serious Accident Related:**

T8 CCR 4355. Operating Rules for Compaction Equipment.

(c) Mobile Collection/Compaction Equipment.

(5) Before cleaning, repairing, servicing or adjusting collection equipment, a lockout procedure complying with Section 3314 shall be established and shall be followed.

AVD:

On and before 12/31/11 the employer failed to establish and follow an effective Hazardous Energy Control Plan (Lockout-Tagout) meeting all the requirements of T8 CCR 3314, prior to employees servicing and repairing garbage truck #765. The employer failed to de-energize the truck throughout the servicing and repair process. Furthermore when the hydraulic cylinders were extended into place, the employer failed to minimize the hazard to employees due to such movement.

	CSE, IH	[REDACTED]	Date
Reviewed by:	DM	[REDACTED]	6/29/11
	SR., IH	[REDACTED]	6/29/12
	Regional Manager		
	Deputy Chief		
Prepared by:			

Cal/OSHA 170A (08/01/94)

State of California  
Division of Occupational Safety and Health



Investigation Summary  
Wed Jun 27, 2012 2:57pm

Reporting ID	Investigation Summary Number	OSHA-36 Number	OSHA-36 Establishment Name
0950632	201077591	101469062	EDCO DISPONSAL CORPORATION
Event Date	12/31/11	Event Time	01:15 pm
Type of Event	FIXING TRASH TRUCK, TRASH FELL ON		

Inspection Number/ Establishment Name	315343236 EDCO DISPONSAL CORPORATION
Injured/Deceased Name	Venustiano Noriega
Sex:	M. Male
Age:	62
Injury:	B. Hospitalized
Nature:	12 Fracture
Part of Body:	14 Hip(s)
Source of Injury:	43 Other
Event Type:	02 Caught in or between
Environmental Factor:	18 Other
Human Factor:	10 Operational position not appropriate for task
Task:	A Regularly Assigned
Substance Code:	
Occupational Code:	507 - BUS, TRUCK AND STATIONARY ENGINE MECHANICS

Abstract:

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