Prevalence of Health, Safety, and Environmental Hazards and Work Related Injuries of New York City Car Wash Workers

In Partnership with the

Retail, Wholesale & Department Store Union



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Background

NYC—200 car washes, 5000 employees.

- Organizations:
 - RWSDU
 - Make the Road NY
 - NYCC
- Since 2012...
 - 8 sites unionized
 - 7 ratify contracts.



Background

- Common problems:
 - Wage and tip theft
 - Heath and safety violations
 - Environmental concerns
 - Not paying minimum wage or overtime
 - Lack of job/hour security
 - Lack of respect and dignity



Improper PPE for their work





tips container



organizing meeting

Objectives

RWDSU:

- Assess prevalence of worksite hazards.
- Asses prevalence of work-related injuries.
- Document car wash environmental practices.

Personal Objectives:

 Explore the field of Occupational Health & Safety, learn from experts in the field, and apply my research skills.

Car Wash Operations Context

- Carwash Operations:
 - Vacuum
 - Brush (tires) "Brocha"
 - Soap
 - Drying
 - "Detail" (inside car, wax, or polishing)
- Oil Change
 - Fuel Injection
- Sludge
 - Waste water sediment

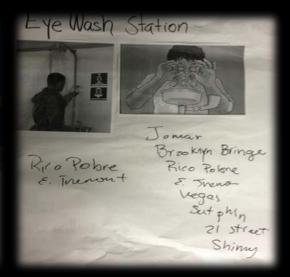


Type, Sampling & Methods

- Exploratory research project
- Purposive sample—unionized and those with a strong relationship with the community organizing partners.
- Focus Groups—4 with a total of 71 participants
- Surveys—21
- Informal Semi-Structured Face to Face Interviews—12
- Work Site Inspections: 7





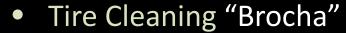


worksite inspection

Injuries Findings



- Cleaning the Vacuum
 - Cuts
 - eye irritation due to dust



- skin burns
- eye irritation
- nose bleeds
- cough
- Chest pain



- chemical burns
- Skin peeling
- joint pain
- Eye/respiratory irritation
- headaches













Las Voces de los Trabajadores Worker's Voices Excerpts

• *Detail*, carwash worker interview:



Las Voces de los Trabajadores/Worker's Voices Excerpts

Vacuum Worker:





Injuries Findings









Oil Change—Fuel Injection

- palpitations
- respiratory system irritation/nose bleeds /sinus infection
- eye irritation
- headaches
- nausea,
- dizziness

Sludge

- skin irritation/rash
- skin burns
- nausea/vomiting
- Headaches







Injuries Findings

Machinery Accidents

- Hands cut in machines
- Face hit by car





Repetitive Movement

Back pain

Environmental Hazards Findings



- Sludge disposal
 - Hazardous waste
 - Normal trash
 - City Sewer
- Runoff water treatment
 - City filtration no sufficient



runoff water



cistern: confined space

water collection canal

OSHA Violations Findings



- Confined Spaces
- PPE
- MSDS
- Eyewash Station
- Training
- Mislabeling of chemicals







Recommendations

- Removal of Hazard
 Car Wash Chemicals
 - Require safer chemicals when available.
- Engineering controls (e.g. other states):
 Sludge
 - Install pump to remove contaminated sludge.
 - Or request hazardous waste removal specialist
 Oil Change
 - Require filters for fuel injection: channel fumes out of the workers' breathing air.

Recommendations

- Demand appropriate PPE
 - Splash proof goggles, chemical resistant gloves, rubber boots.
- Change Culture
 - Increase awareness amongst workers, car wash owners, the public, city and state officials about chemical exposure dangers to health and the

environmental.



Impact of Summer Project

- The RWDSU presented our final report to OSHA and requested a site inspection of the car wash establishment that had the most violations i.e. confined space, building structural issues, lack of PPE, etc.
- The Union also is in the process of training the trainers—community leaders—on the right PPE that can provide protection from acids and other detergent agents.

Acknowledgements

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