



It Can Happen to You...

Jerry Byrne | Deputy Managing Director of Operations
Kent County Road Commission



Joe Barbachyn | (Retired) Driver
KCRC North Complex





Norm Flanagan | Former Operator
KCRC North Complex







Al Myers | (Retired) Superintendent
KCRC North Complex Superintendent





Mel Baird | Former Asst. Superintendent (Current Superintendent)
KCRC North Complex




Jodi VanderLind | Daughter of Joe Barbachyn



- Severed off arm
- Punctured lung
- Broke 4 ribs



Joe Barbachyn | (Retired) Driver
KCRC North Complex



Incident Reporting Form

_____ County Road Commission

THINK SAFETY

Date of incident: _____ Time: _____ AM / PM

Incident Type (circle one): Injury Near-Miss Property damage (non-injury)

Location of incident: _____

Date incident was reported: _____

Name of injured person: _____ Age: _____

Address: _____ Phone #: _____

Length of employment: _____ Length of time on this type of job: _____

Type of Injury (circle all that apply):

Strain/sprain	Fracture	Laceration/cut	Bruising	Scratch/abrasion	Amputation
Burn scald	Dislocation	Foreign body	Internal	Allergic reaction	

Other (specify) _____

Remarks: _____

Injured part of body (e.g., head, back, groin, leg, arm, wrist): _____

Damaged Property? (circle one) YES / NO

Property/material damaged: _____

Nature of damage _____

Object/substance inflicting damage: _____

Incident Description: (Describe what happened. Use space on back for additional comments and diagram—essential for all vehicle incidents):

Incident Analysis:

What were the causes of the accident? _____

December 9, 2011

INJURY INVESTIGATION

At approximately 1:00 PM on Friday, December 9, 2011 one of our KCRC employees, Joe Barbachyn, incurred a horrific injury(KCSD incident #11-68989).

Sequence of Events

Joe had parked his KCRC dump truck #704(2011 Freightliner) with attached sander #4877(2003 Henderson) near the salt dome at the North Complex. He proceeded to unload the remaining sand/salt mixture in the existing pile located there. After emptying the dump box with the engine running, he left the cab of his truck and proceeded to the back to clean out the auger. After opening the upper lid to the auger, Joe attempted to clean the excess sand/salt around the auger. The auger was still in the operation mode and was turning. Although no witnesses were present, circumstances indicate the sleeve of his red hooded sweatshirt(right arm) was drawn into the auger. According to Joe, this scenario was confirmed. His right arm from below the shoulder was ripped from his body and became entangled in the auger. Joe ran over to Norm Flanagan, who was on the loader in the salt dome. Norm called on the radio for someone to call emergency services. Tom Murphy, Senior Safety Patrol Foreman, heard the broadcast and called 911 for said emergency services. Mel Baird, district foreman, who was in the yard near the salt dome, proceeded over to help after hearing the call. They applied pressure to the wound(all of our employees are certified in first aid) until the emergency unit arrived.

Safety Features

The auger on truck #704 has an upper lid and a lower lid which completely encase the auger. There are three, clearly visible, warning labels on the outside of the sander which state "KEEP HANDS OUT WHILE AUGER IS TURNING."

Further investigation of the injury has been completed by Bruce Gasaway from CRASIF(ASU group) on Tuesday, December 13. Also, a "case worker" has been assigned by the ASU Group in conjunction with CRASIF.



Michigan Department of
Licensing and Regulatory Affairs
General Industry Safety and Health Division

Inspection Number: 315387266
Inspection Dates: 12/13/2011-01/10/2012
Issuance Date: 02/17/2012
CSHO ID: L6173
Optional Inspection Nbr:



Citation and Notification of Penalty

Company Name: Kent Cnty Rd Comm #2
Inspection Site: 11777 White Creek Rd, Cedar Springs, MI 49319

Citation 1 Item 1 Type of Violation: Serious

MICHIGAN OCCUPATIONAL SAFETY AND HEALTH ACT, ACT 154, P.A. 1974, AS AMENDED,
SECTION 11(a):

The employer did not furnish to each employee, employment and a place of employment, which was free from recognized hazards that were causing or were likely to cause death or serious physical harm to the employee:

The employer allowed employees to be adjacent to an exposed auger. this is an 8-foot long salt auger mounted horizontally at the rear of road salt trucks. employees perform duties while the auger is running and are exposed an entanglement hazard. Employees are outside and wearing loose fitting clothing. this resulted in an employee suffering an amputation of his arm from becoming entangled while unloading salt from truck mounted auger.

Among others, one feasible and acceptable method to correct this violation is to establish procedures to include the following:

- Ensure that all motion is stopped before maintenance or clearing of jams occur on salt spreaders.
- Ensure that workers are trained in the hazards of working near rotating parts.
- Ensure that workers do not wear loose fitting clothing near machines or equipment with moving parts which could cause entanglement.

Date By Which Violation Must be Abated: 03/21/2012
Proposed Penalty: \$ 2500.00

Authorized Signature

- Fine \$2,500.00
- Stop Motion
- Identify Hazards
- Provide Training
- No Loose Clothing



**Read
Operator's
Manual**



When unloading your truck, the operator shall remain within the cab when the sander is engaged. This procedure is intended to ensure that no person become entangled with the unloading device. Failure to comply with this procedure shall be considered a violation of Work Rule #28.



THINK SAFETY

SAFETY BRIEF



DATE: December 9, 2011

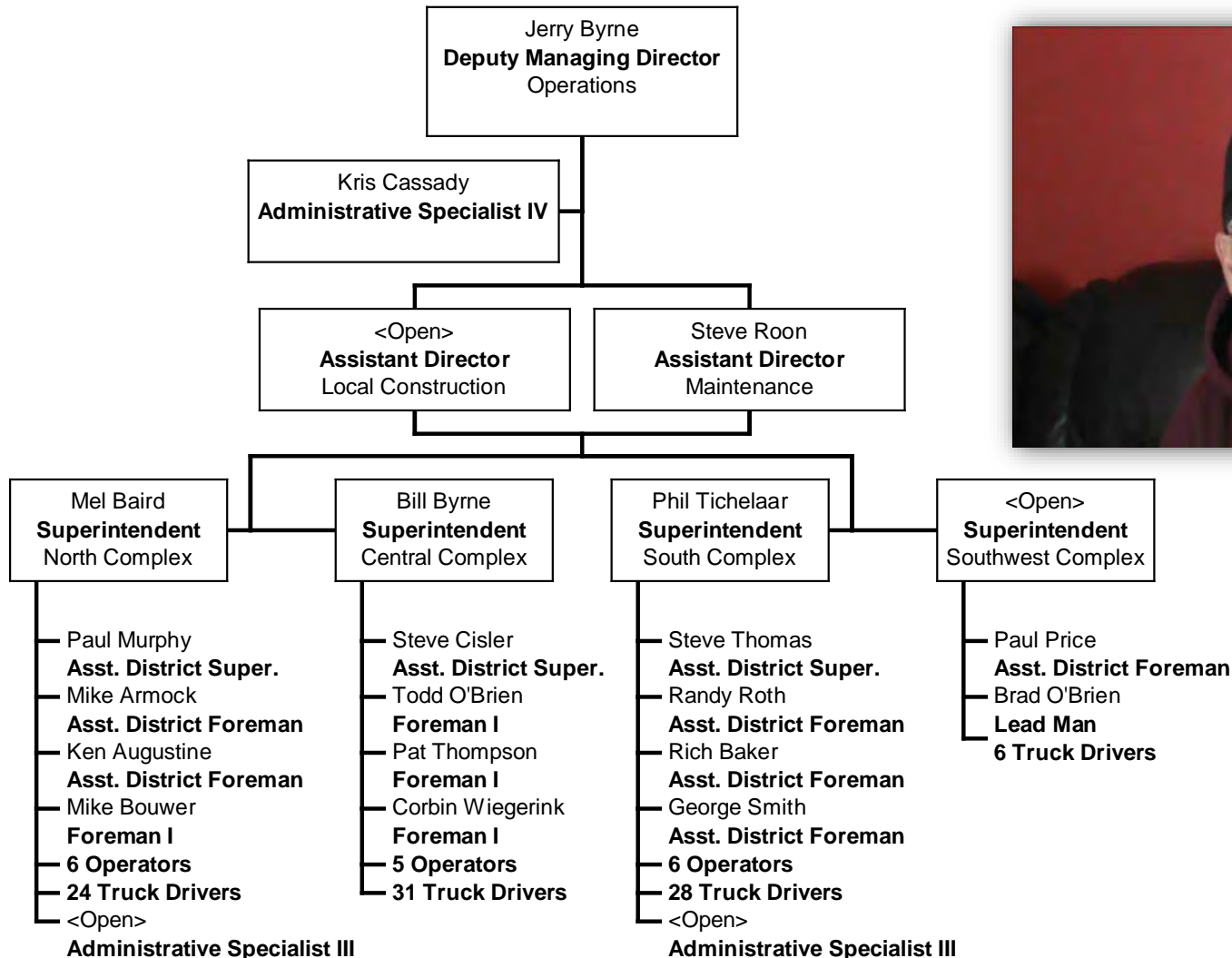
SUBJECT: Salt Spreaders - Conveyors, Augers and Spinners



- All Original Manufacturers warning labels must be maintained and legible.
- All operators should be trained in safe operation and any safeguards that should be taken.
- The vehicle Battery Disconnect Switch must be locked-out in the off position before servicing salt spreaders.
- Ensure that all guards are in place when the unit is in operation. Any missing or defective guards the unit should be lock-out/taken out of service until repaired.
- Never place hands, clothing or body parts near any moving or rotating devices. Stop all motion before maintenance or clearing jams.
- Maintain a safe distance with gloves and clothing that can snag causing serious personal injury.



Contacts: Buz Haltenhoff, The ASU Group, (231) 340-0672, bhaltenhoff@asugroup.com
Bruce Gasaway, The ASU Group, (231) 571-7021, bwg74@aol.com





MIOSHA:

Supervisory Leadership

“Our supervisor’s attitude plays an important part in obtaining or *preventing* the acceptance of safe and healthful work practices, policies, and procedures. It is the supervisor’s responsibility to identify potential hazards, identify methods to control or eliminate the hazards, ensure employees engage in safe and healthful work practices, and ensure employees receive safety and health training to do their work. Safety and health performance should be part of a supervisor’s evaluation.”



- * Communication
- * Site Security
- * Notifications
- * Annual Review





H. Work Rules and Employee Discipline

The Kent County Road Commission knows the vast majority of its employees observe standards of responsible behavior and common decency. As such, it is the Road Commission's intent to place as few restraints and restrictions on its employees as possible. However, to ensure a positive working environment for all employees, a list of potential violations and the corresponding level of discipline have been established. All employees are expected to be aware of and abide by Road Commission rules and regulations.

Discipline ranges from a verbal reprimand to immediate discharge, dependent upon the seriousness of the violation and whether it is a recurrence. The list that follows is not intended to be all-inclusive; circumstances could arise that are not specifically covered. In such a case, management of the Road Commission shall look at the situation objectively and apply the appropriate level of discipline.

The "key" for the levels of discipline as indicated on the following pages is as follows:

- WN Warning Notice
- WN-1 1-Day Disciplinary Layoff
- WN-3 3-Day Disciplinary Layoff
- WN-5 5-Day Disciplinary Layoff
- D Discharge
- DEM Demotion to a Non-driving Classification





- December 30, 2002

A 51-year-old City Public Works employee died after his arm or clothing was caught in the auger of a truck sander. He was alone at the time of the incident and was found with his arm wrapped around the auger and his feet about 4 feet off the ground.





- December 20, 2004

A 55-year-old Wisconsin snow plow driver died after his clothing became entwined around a rotary auger that was used to move salt in the back of a dump truck to a spreader.





- 2005

A Wisconsin driver was killed when his sleeve got caught in the salt auger.

- 2008

A New Jersey public work employee was killed when his clothing got caught in a PTO shaft on a salt truck.





A road commission employee climbed into a “V”- Box Spreader with Flight Chain running.

His lower garments snagged and were removed and his legs were pulled through the rear gate opening.



Warning Decals



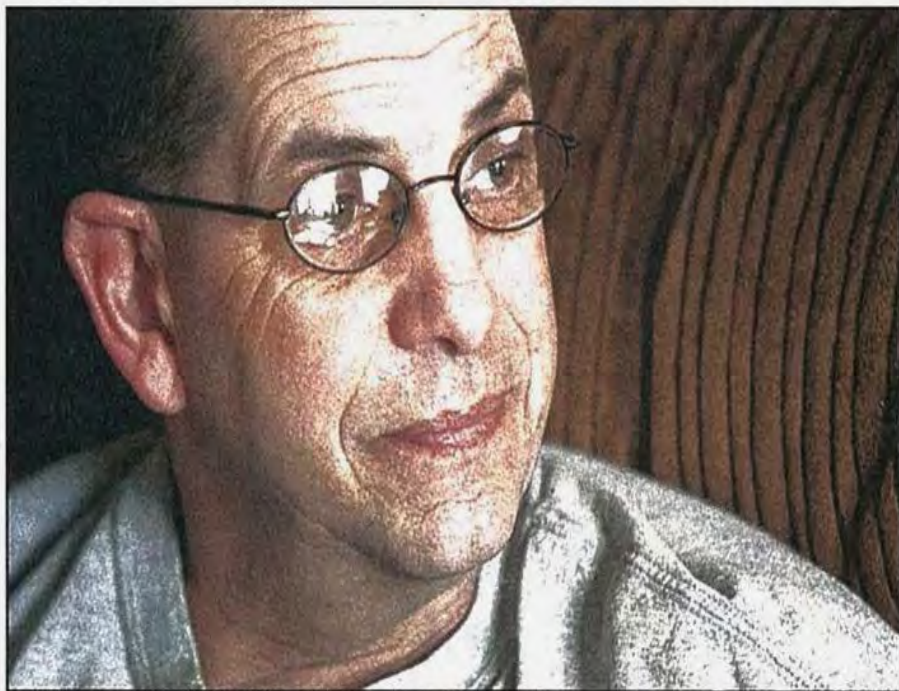


**Keep guards on all rotating machinery.
Stop all motion before maintenance or
clearing jams!**



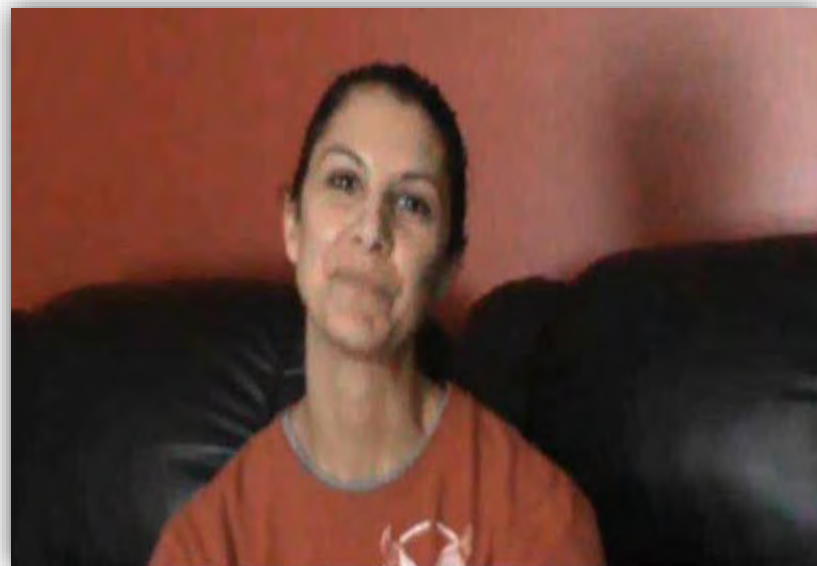
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- Never place hands, clothing or body parts near any moving or rotating devices. Stop motion to service or clear jams.
- Maintain a safe distance with gloves, clothing and hair that can snag causing serious personal injury.





*I'm still learning and figuring out
how to do things.*

Joe Barbachyn



Jodi VanderLind | Daughter of Joe Barbachyn