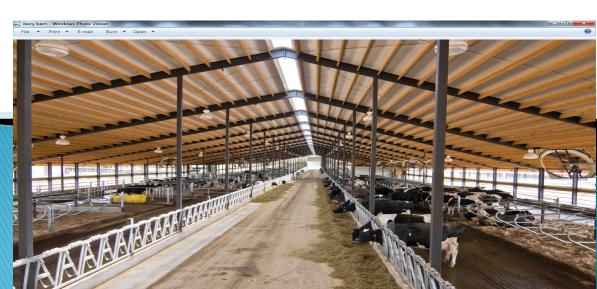


USDOL/OSHA
Nick Donofrio – Region 2 Compliance
Assistance Specialist
130 S. Elmwood Avenue, Suite 500
Buffalo, NY 14202
716-796-0803



Understanding OSHA's Region 2 Dairy Farm Emphasis Program



OSHA Compliance Assistance

One tool in your Safety and Health tool box





Occupational Safety & Health Act (OSH Act)

- SignedDecember 29, 1970
- OSHA opened its doorsApril 28, 1971





OSHA's Balanced Approach



- Enforcement
- ComplianceAssistance
- ConsultativeServices



OSHA On-Site Consultation

- Confidential occupational safety and health services at <u>No Cost</u> to employers.
- Available to all small and medium-sized businesses
- Priority for high hazard industries
- Consultation programs in all 50 states, District of Columbia, and several territories
- Consultation programs are operated from within state agencies or universities
- Separate from OSHA's enforcement efforts focus on compliance assistance



osha.gov/consultation



NYS Safety Consultative Services

The services offered include:

- On-site consultation surveys to identify safety hazards,
- Industrial hygiene surveys to determine air contaminants, noise exposure levels, and other health hazards, and
- Suggestions for mitigation, controlling or eliminating these safety and health hazards.

Training Programs available for Businesses after completion of an initial hazard survey include:

- Accident Investigation
- Hazard Communication
- Recordkeeping Rule
- Fall Protection
- Safety for Workers in the Hospitality and Tourism Industries
- Confined Space Entry
- Many more



NYS Safety Consultative Services

Albany (518) 457–2810

Binghamton (607) 721–8019

Buffalo (716) 847–7166

Garden City (516) 228–3959

New York City (212) 775–3526

Rochester (716) 847–7166

Syracuse (315) 479–3205

Utica (315) 793–2319

White Plains (914) 997–9511



Objectives

- Discuss the OSHA Dairy Farm Local Emphasis Program
 - Review Dairy Dozen
- Frequent OSHA Dairy Farm Violations
 - Hazards Confine Space, Guarding, Haz Com, LOTO, Incident Reporting
- OSHA Area Directors
 - Mike Scime, Buffalo Jeff Prebish, Syracuse
 - Expanding Inspections
 - Employer Right's and Responsibilities
 - What to expect after on site inspection



OSHA Region 2 Dairy LEP 10/01/18 -09/30/23



U.S. DEPARTMENT OF LABOR

Occupational Safety and Health Administration

DIRECTIVE NUMBER: 2019-03 EFFECTIVE DATE: 10/1/2018

SUBJECT: Local Emphasis Program - Dairy Farm Operations

REGIONAL IDENTIFIER: Region 2

ABSTRACT

Purpose: This instruction continues the implementation of the Local

Emphasis Program (LEP) for programmed inspection of the dairy

farming industry.

References: CPL 04-00-002, Procedures for Approval of Local Emphasis

Programs, 11/13/2018; CPL 02-00-160, Field Operations Manual.

8/2/2016; CPL 02-00-051, Enforcement Exemptions and

Limitations under the Appropriations Act, 5/28/1998; CPL 02-00-025, Scheduling System for Programmed Inspections, 1/4/1995.

Cancellations: This instruction cancels the Local Emphasis Program for Dairy

Farm Operations, 2018-03 (CPL2).

Expiration: This instruction expires on September 30, 2023.

Exception: Any inspection begun prior to September 30, 2023 may

continue until its conclusion.

Action Offices: Buffalo, Syracuse, and Albany Area Offices - Region II

Originating Office: Syracuse Area Office

Contact: Office of the Regional Administrator

201 Varick Street, Rm.670

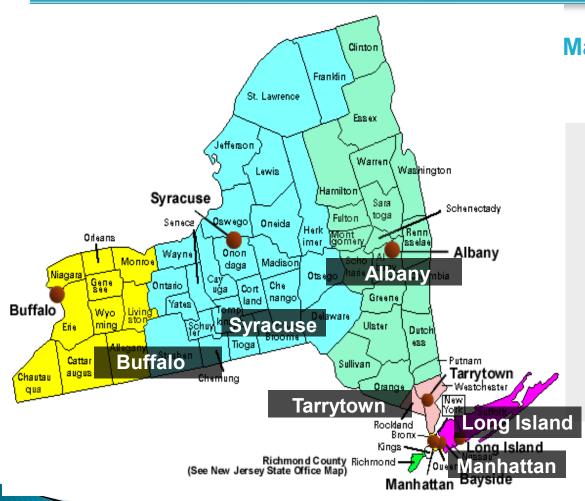
New York, NY 10014

By and Under the Authority of

For Robert D. Kulick Regional Administrator



OSHA Area Offices - NYS



Main OSHA Number:

1-800-321-OSHA, 1-800-321-6742

Buffalo Area Office

(716) 551-3053

Syracuse Area Office

(315) 451-0808

Albany Area Office

(518) 464-4338

Tarrytown Area Office

(914) 524-7510

Manhattan Area Office

(212) 620-3200

Long Island Area Office

(516) 334-3344



Enforcement Exemptions and Limitations under the Appropriations Act – CPL 2-0.51J

- OSHA rules apply to employee/employer relationships.
- A farming operation is exempt from <u>all</u> OSHA activities if it:
 - Employs 10 or fewer employees currently and at all times during the last 12 months; and
 - Has not had an active temporary labor camp during the proceeding 12 months.

Family members of farm employers are not counted when determining the number of employees.

A part-time employee is counted as "1" employee



Key Definitions

- <u>Farming operation</u> means any operation involved in the growing or harvesting of crops, the raising of livestock or poultry, or related activities conducted by a farmer on sites such as farms, ranches, orchards, dairy farms or similar farming operations.
- Agricultural employer means any person engaged in agricultural activity employing one or more employees. Members of the immediate family of the farm employer are not regarded as employees.
- Immediate family member means those in direct relation to the farm employer, such as a parent, spouse, or child. Step-children, foster children, step-parents and foster parents will also be considered as immediate family members. Other relatives, even when living permanently in the same household as the employer, will not be considered to be part of the immediate family. Reference: Fair Labor Standards Act, 29 CFR 780.308 "Definition of immediate family" regarding exemptions under minimum wage and overtime provisions.



Key Definitions (con't)

- <u>Temporary</u>: The term "temporary" in OSHA's regulation for temporary labor camps (29 CFR 1910.142) refers to employees who enter into an employment relationship for a discrete or defined time period. The term "temporary" refers to the length of employment, and not to the physical structures housing employees.
- <u>Temporary labor camp</u> means farm housing directly related to the seasonal or temporary employment of farm workers.
 - Housing includes both permanent and temporary structures located on or off the property of any employer who meets the definition of a "farming operation."
 - <u>Temporary labor camp housing</u> means required employerprovided housing that, due to company policy or practice, necessarily renders such housing a term or condition of employment.



Major Employer Responsibilities



- Provide a workplace free from recognized hazards
- Comply with OSHA standards and regulations
- Be familiar with standards applicable to their workplace



Immigration Status

- ALL WORKERS, EVEN UNDOCUMENTED WORKERS, HAVE A RIGHT TO A SAFE AND HEALTHY WORKPLACE.
- OSHA DOES NOT IMPOSE PENALTIES FOR UNDOCUMENTED WORKERS.
- Health and safety laws protect all employees regardless of their immigration status. Therefore, undocumented workers have the same rights to as every other worker in every workplace in America.

OSHA <u>WILL NOT</u> INQUIRE ABOUT IMMIGRATION STATUS





Employee Rights

- Request OSHA investigation
- Name withheld from employer & complaint
- Talk with compliance officers privately
- Participate in inspection and after inspection action
- Offered Whistleblower Protection 11(c)
- Right to see OSHA citations issued to employer
- Right to access & obtain medical records

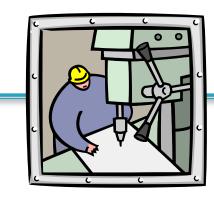


Employee Rights

- Review OSHA standards, rules and regulations available in the workplace.
- Request information from employer on S&H hazards, precautions, & emergency procedures
- Receive adequate training and information
- Receive PPE appropriate for the hazard



Section 11(c)



Discrimination can include:

- Firing or laying off
- Blacklisting
- Demoting
- Denying overtime or promotion
- Disciplining

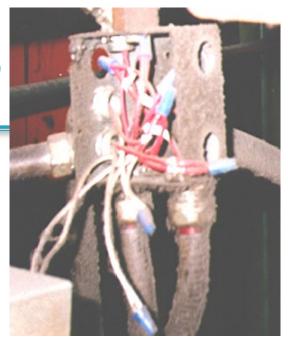
- Denial of benefits
- Failure to hire or rehire
- Intimidation
- Reassignment affecting future promotions
- Reducing pay or hours



Is there a need for OSHA?











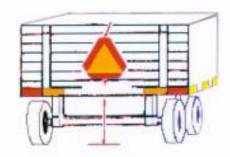
OSHA Standards

- ▶ 29 CFR 1910: General Industry
- ▶ 29 CFR 1926 : Construction
- > 29 CFR 1915, 1917, 1918 : Maritime
- 29 CFR 1928: Agriculture
 - As Referenced



General Industry When Referenced in 1928.21(a)

- 1928.21(b) Except to the extent specified in paragraph (a) of this section, the standards contained in Subparts B through T and Subpart Z of part 1910 of this title do not apply to agricultural operations.
- 1928.21(a): The following standards in part 1910 of this Chapter shall apply to agricultural operations:
- ▶ 1928.21(a)(1): Temporary labor camps 1910.142; may refer to Wage and Hour
- ▶ 1928.110 Field Sanitation may refer to Wage and Hour
- ▶ 1928.21(a)(2): Storage and handling of anhydrous ammonia 1910.111(a) and (b);
- 1928.21(a)(3): Logging Operations 1910.266;
- 1928.21(a)(4): Slow-moving vehicles 1910.145
- ▶ 1928.21(a)(5): Hazard communication 1910.1200
- **1928.21(a)(6)**: Cadmium 1910.1027
- ▶ 1928.21(a)(7): Retention of DOT markings, placards and labels 1910.1201





General Duty Clause

Section 5(a)(1) of the Act

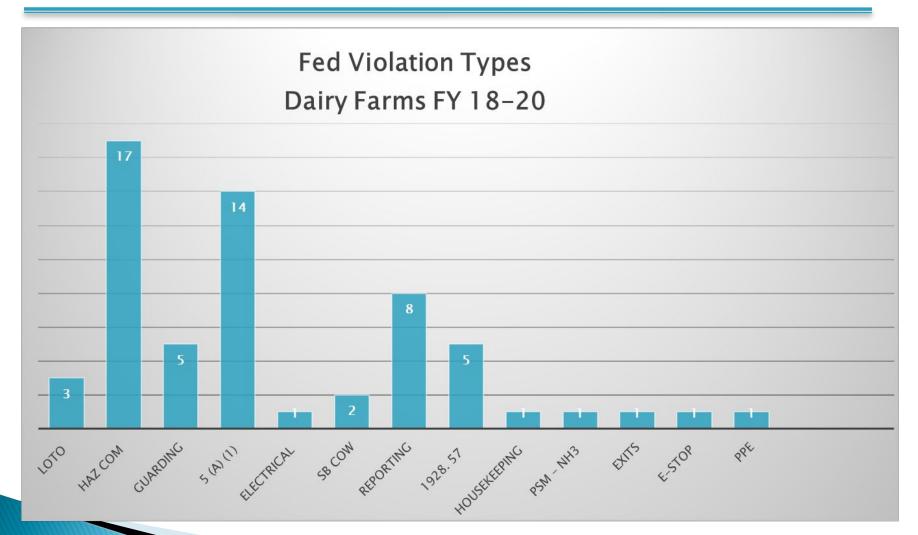
"Each employer shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees."

 Applies when there is no specific standard



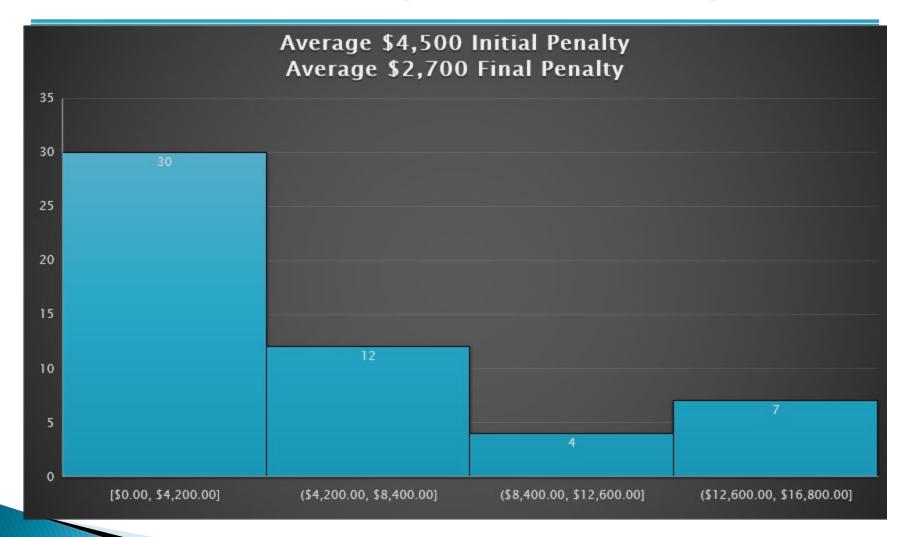


Results of OSHA Dairy Inspections





Initial Penalties per OSHA inspections





Hazards Identified on Dairy Farms ("Dairy Dozen")

- Manure Storage and Collection Structures
- 2. Dairy Bull and Cow Behavior / Worker Positioning
- 3. Electrical Systems
- 4. Skid Steer Operation
- 5. Tractor Operation
- 6. Guarding of Power Take-Offs (PTOs)
- 7. Machine Guarding: Field and Farmstead Equipment
- 8. Lockout Unexpected Energy Release
- 9. Hazard Communication
- 10. Confined Spaces
- 11. Horizontal Bunker Silos
- 12. Noise





1. Manure Storage Facilities and Collection Structures [Section 5(a)(1)]

Fatal or serious <u>drowning hazards</u> may exist where farm vehicles such as tractors, manure spreading trucks, manure pumps/agitators, and skid-steers are operated in near proximity to waste storage impoundments and structures without the benefit of **control measures**, such as

1) safety stops and/or gates at manure push-off ramps and load-out areas to prevent accidental entry of machinery; and

Guidance document

American Society of Agricultural and Biological Engineers ASABE EP 470.1 Manure Storage Safety

6.1.5 All push off platforms or piers for open, below-ground manure storage structures need a barrier strong enough to stop a slow moving tractor or skid loader.



Manure Tanker in Pit

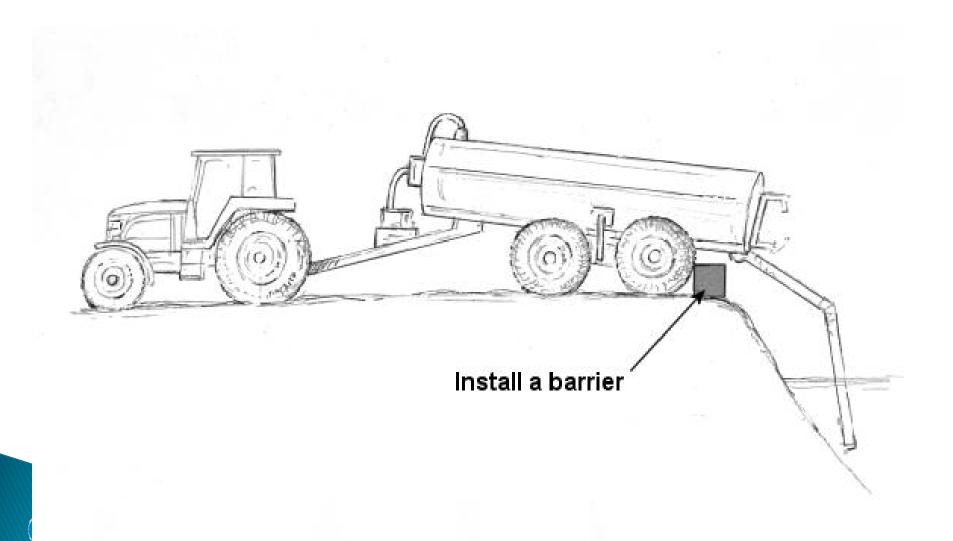




Worker Exits Tractor w/Tires Turning



Barrier Required Firm Foundation to Support Weight of a Filled Trailer

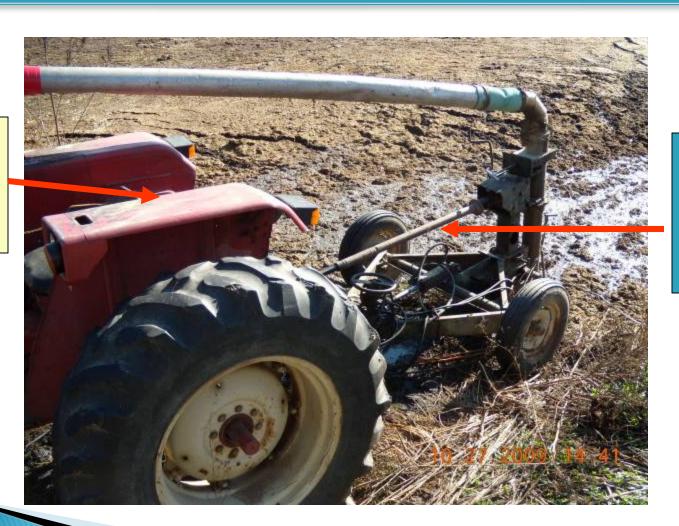


Longer Pumping System



Guarding Access/Prevent Backing into Lagoon: Agitating

No ROP on this tractor



PTO Shaft Unguarded



Manure Storage Facilities and Collection Structures

2) warning signs, fences, ladders, ropes, bars, rails and other devices to restrict the accidental passage of vehicles and personnel across outdoor earthen manure storages.

Guidance document ASABE EP 470.1 Manure Storage Safety

- 6.1.6 Open storages should be fenced in unless they are aboveground tanks. Warning signs should be posted.
- 8.5 Warning sign contents and safe management suggestions
- 8.5.3 Earthen storages. Warning sign(s) should be located on the fence near the entry gate that prohibit entry to the storage should be posted.
- e.g. Do Not Enter, Drowning Hazard.
- 8.5.3.1 "Danger Manure Storage", "Danger Keep Out", "Danger Keep Away"





Fence -Barriers Around Lagoon



10. Confined Spaces [Section 5(a)(1)]

Confined Spaces:

Serious or fatal chemical asphyxiation, oxygen (O_2) deficiency, inhalation, engulfment, or caught-in hazards may exist where there is entry into grain storage bins, vertical silos, hoppers, manure storage vessels, milk vessels, below grade manure collection systems, etc.

Guidance document:

ANSI/ASSE Z117.1-2009: Safety Requirements for Confined Spaces

- Evaluate the confined space
- Decide whether employees will enter
- Signage = Warning
- Train employees for your confined spaces
- Create a Policy
 - Authorized Personnel Only
 - Do Not Enter
- Multi-Employer Worksite Citation Policy



Manure Storage Facilities and Collection Structures

Fatal or serious <u>inhalation hazards</u> of gases including hydrogen sulfide (H_2S) , carbon dioxide (CO_2) , methane (CH_4) , and ammonia (NH_3) may exist where manure gases are generated through the handling of liquid or semi-solid manure through activities such as pumping, mixing, agitating, spreading, or cleaning-out. Oxygen (O_2) deficiency hazards are an additional related concern.



Confined Spaces (1910.146) need:

- Written Program
 - How will you test for gases?
 - How will you prevent employee exposure?
- Training exercise
 - Everyone knows their responsibilities
 - Practice with equipment
 - Discuss additional risks identified in practice

Rescue Plan

Calling 911 isn't enough

Entry Concern



1910.146 or 1910.272: Permit Required Confined Spaces [Section 5(a)(1)]

- Identify all permit-required confined spaces in the workplace
- Prohibit unauthorized entry
 - training & education
- Develop written program
- Establish entry procedures
 - Written entry permit
 - Atmospheric testing
- Rescue planning





9. Hazard Communication

Serious chemical ingestion, absorption, splash, fire, or other hazards may exist where hazardous chemicals such as teat dips, hoof care products, sanitization products, etc. are stored, dispensed, and used without appropriate training and information including the availability of Safety Data Sheets (SDSs).



1928.21(a)(5) Hazard
Communication – 1910.1200

1910.1200(a)(1)

The purpose of this section is to ensure that the hazards of all chemicals produced or imported are evaluated, and that information concerning their hazards is transmitted to employers and employees. This transmittal of information is to be accomplished by means of comprehensive hazard communication programs, which are to include container labeling and other forms of warning, safety data sheets and employee training.

Hazard Communication

Comprehensive written hazard communication program

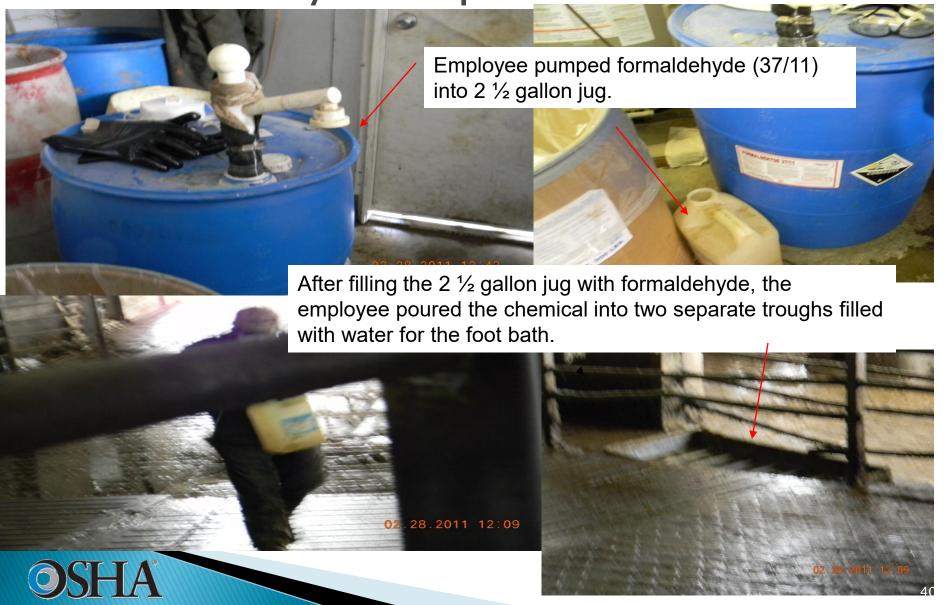
- What's the hazard and the exposure to the hazard?
- PPE (Personal Protective Equipment)
- Are SDS available? Keep SDS for 30 years
- New hazard introduced training (inform of hazard)



What's in your footbath?



Formaldehyde Exposure



Hoof Dip

- Formaldehyde
- Copper Sulfate
- Hydrogen Peroxide acid mixture







Material Safety Data Sheet Formaldehyde 37% solution MSDS

Section 1: Chemical Product and Company Identification

Product Name: Formaldehyde 37% solution

Catalog Codes: SLF1426

CAS#: Mbdure. RTECS: LP8925000

TSCA: TSCA 8(b) Inventory: Formaldehyde; Methyl

alcohol; Water

CI#: Not applicable. Synonym: Formalin

Chemical Name: Formaldehyde Chemical Formula: HCHO

Contact Information:

Sciencelab.com. Inc. 14025 Smith Rd. Houston, Texas 77396 US Sales: 1-800-901-7247 International Sales: 1-281-441-4400 Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:

1-800-424-9300

International CHEMTREC, call: 1-703-527-3887 For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients Composition:

Name	CAS#	% by Weight
Formaldehyde	50-00-0	36.5-38
Methyl alcohol	67-56-1	10-15
Water	7732-18-5	47-53.5

Toxicological Data on Ingredients: Formaldehyde: ORAL (LD50): Acute: 100 mg/kg [Rat]. 42 mg/kg [Mouse]. 260 mg/kg [Guinea pig], MIST (LC50); Acute: 454000 mg/m 4 hours [Mouse], Methyl alcohol; ORAL (LD50); Acute: 5628 mg/kg [Rat]. DERMAL (LD50): Acute: 15800 mg/kg [Rabbit], VAPOR (LC50): Acute: 64000 ppm 4 hours [Rat].

Potential Chronic Health Effects:

Hazardous in case of skin contact (sensitizer). CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.)



Very hazardous in case of eye contact (irritant), of ingestion, . Hazardous in case of skin contact (irritant, sensitizer, permeator), of eye contact (corrosive). Slightly hazardous in case of skin contact (corrosive). Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching.



1910.1200 Hazard Communication

- Can use existing labeling system
 - Meets requirements of 1994
 - Health and hazard information
 - Use other sources of information
- Labeling
 - Product Identifier (name, # or code)
 - Signal word (Danger or Warning)
 - Hazard Statement (nature of hazard)
 - Pictogram (symbols)
 - Precautionary statement (prevent exposure)





- Carcinogen
 Mutagenicity
- Reproductive Toxicity
- Respiratory Sensitizer
 Tourset Owner Tourisity
- Target Organ Toxicity
 Aspiration Toxicity
- Flammables
- Pyrophorics
 Self-Heating
- Emits Flammable Gas
 Narcotic Effects
 Self-Reactives
 Respiratory Trace
- Self-Reactives
 Organic Peroxides
 Irritant
 - Hazardous to Ozone
 I swar (Non-Mandaton)

Skin Sensitizer

Exclamation Mark

Irritant (skin and eye

Acute Toxicity (harmful)





- Gases Under Pressure
- Skin Corresion/
- Burns
- Eye Damage
 Corrosive to Metals
- un/ Exminsives
- Self-Reactives
 Granic Peroxides

Flame Over Circle



• Oxidizers

(Non-Mandatory)



Acute Toxicity

Skull

and Crossbones

OSHA

6. Guarding of Power Take-Offs (PTO)

Fatal or serious

entanglement or amputation hazards may exist where power take-off shafts and other related components on farm field and farmstead equipment are not properly guarded.



Guarding of farm field equipment:

29 CFR 1928.57(a)(6): Train EE's at initial assignment and annually ... safe operation & servicingall equipment ... which involved.

29 CFR 1928.57(b)(1)(i) through (iii)11

1928.57(b)(1)(i) All power take-off shafts, including rear, mid-or side — mounted shafts, shall be guarded either by a master shield, as provided in paragraph (b)(1)(ii) of this section, or by other protective guarding.

Protecting against moving parts

- Guarding (barrier, location, device)
 - Sturdy (250# individual), guardrail or fence
 - No inadvertent contact or unforeseeable event
 - Shuts off device and operable
- Service must take place while equipment is operating
 - ER shall instruct on ALL steps for safe service

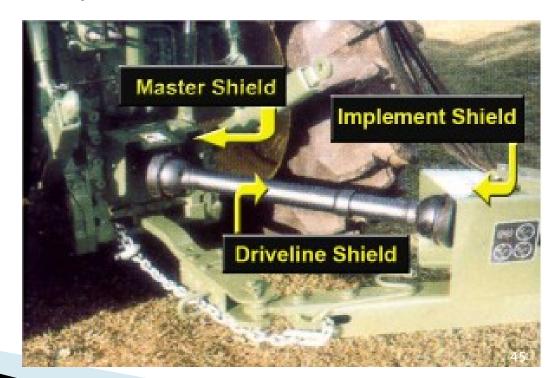




Power Take OFFS (PTO)

- Most incidences involve clothing becoming caught
- PTO at 540 rpm travels 2 yards per second







PTO Shafts







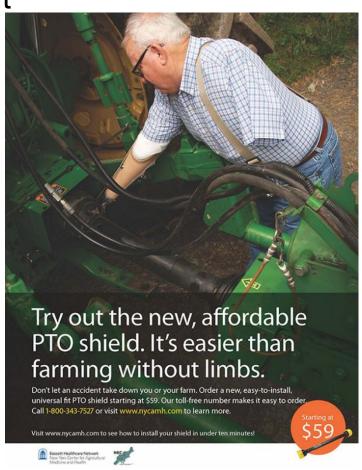
Power Take-Off (PTO) Shield Retrofit Kits

New York Center for Agriculture Medicine And Health has developed a PTO Retrofit Program to replace damaged or missing

New York Center for Agricultural Medicine and Health https://www.nycamh.org/programs-and-services/pto-shield.php

PTO shields.





7. Guarding of other power transmission and functional components

Exposed belts, pulleys, gears, chains, sheaves, sprockets and projections on shafts such as bolts, keys or set screws shall be guarded on all farm field and farmstead equipment.

- Augers and Conveyors
- Barn scraper
- Ventilation Fans
- TMR mixers

Farm field equipment:

29 CFR 1928.57(b)(2)(i) through (iii) 29 CFR 1928.57(b)(3) 29 CFR 1928.57(b)(4)(i) and (ii)

Farmstead equipment:

29 CFR 1928.57(c)(2)(i) and (ii) 29 CFR 1928.57(c)(3)(i) through (iii) 29 CFR 1928.57(c)(4)(ii)





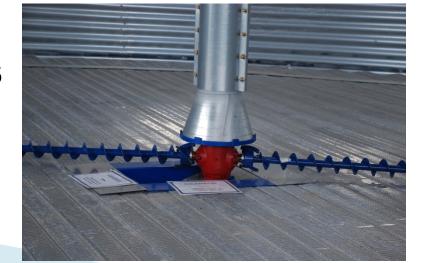
Farmstead equipment

Augers

Scraper



Sweep arm mechanisms



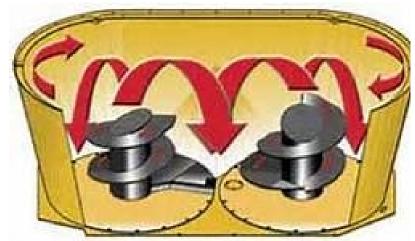


Machine Guarding: 1928.57









8. 1928.57(a)(6)(ii) – Hazardous energy control while performing servicing and maintenance on equipment

Fatal or serious <u>crushed-by</u>, <u>struck-by</u>, <u>caught in between</u>, <u>entanglement</u>, or <u>amputation</u> <u>hazards</u> may exist where employees **perform maintenance and servicing** on farm field, farmstead, or other equipment without a means of immediate and **exclusive control** of hazardous energy sources by the employee or the employees maintaining or servicing equipment.

Guidance documents

- Manufacturer's manual and instructions
- AEM Safety Manuals for tractors and skid steers, wheel loaders

Consider:

- How to lockout?
- Stored energy e.g hydraulics
- Right tool for the job
- Lone worker





Recommend follow 1910.147: LOTO Control of Hazardous Energy – Best Practice

- Written LOTO Procedures
 - Individual Employee Protection (Locks)
 - Exclusive Control
- Employee Training
 - Document

Annual Audit/Evaluation







1904.2 -Recordkeeping

All industries in agriculture, construction, manufacturing, transportation, utilities and wholesale trade sectors are covered



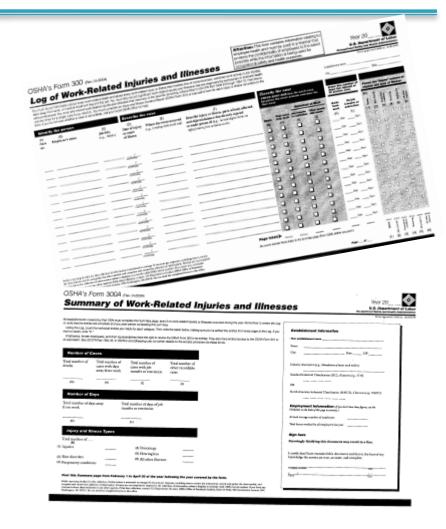
- ▶ 1904.1 Size Exemption:
 - If your company had 10 or fewer employees at all times during the last calendar year, you do not need to keep the injury and illness records unless surveyed by OSHA or BLS





Recordkeeping

Employers of 11 or more employees must maintain records of occupational injuries and illnesses





Fatality / Catastrophe

- Fatality: One or more
 - Report within 8 hours
- Catastrophe:
 - In patient hospitalization of 1 or more employees due to a singular event
 - Amputation
 - Loss of an eye

Employer must report to OSHA within 24 hrs

OSHA Hotline: 1–800–321–OSHA (6742)





COVID - 19

- OSHA has been responding to the complaints and issuing guidance since the pandemic began
- President Biden's Executive Order January 21st directs OSHA to:
 - Issued revised guidance on workplace safety
 - Consider need for Emergency Temporary Standard
 - March 15th
 - Engaged with stakeholders to inform workers of their rights







Types of Inspections

- Programmed Proactive & Planned
 - Site specific Targeted Inspections (SST)
 - National Emphasis Program (NEP)
 - Regional Emphasis Programs (REP)
 - Local Emphasis Program (LEP)
- Unprogrammed Reactive
- Fatalities
- Referrals
- Complaints
 - Formal & Non Formal





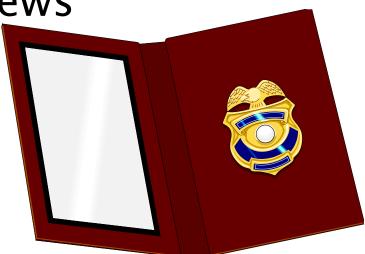
CSHO

- <u>Compliance Safety and Health Officer</u>
- Safety and/or Health Disciplines
- Authorized to Enter Workplace Without Advanced Notice
- Inspect & Investigation Conditions
- Question Privately Employees and Employer



On-Site Inspections

- Presentation of Credentials
- Opening Conference
- Records Review
- Program Review
- Walkaround/EE Interviews
- Closing Conference





Expanding an OSHA Inspection

- OSHA will explain the purpose and scope of the inspection
 - Generally OSHA inspection are limited in scope to the complaint, incident or referral
- Inspections can be expanded based on
 - Information gathered during inspection
 - Injury/illnesses records
 - EE interviews
 - Plain view observations
- OSHA will disclose may seek to expand inspection.



Post Inspection Element

- Citation Issuance
 - Classification
 - Penalties
- Appeal Process
 - Informal Conference
 - Contest Rights
- Final Order
- Abatement Submission



Abatement Process

- Citations for which there is agreement
 - Employer must notify Area Director appropriate corrective actions have been taken (ABATED)
 - Timely and appropriate
- Abatement Certification / Documentation
 - OSHA will provide resources for questions about abatement
 - Compliance assistance
 - Publications, eTools, website
 - NYS Consultative Services





Abatement Process

- Maximum abatement time period
 - 30 calendar days initially
 - Modification of Abatement period (PMA)
 - Steps taken to achieve abatement
 - Why & How much additional time is need
 - Interim steps to protect employees
 - Certification PMA has been posted (10 days)
- Workers can object to PMA
 - Must be in writing within 10 days of posting





Working Together, We Can Help

www.osha.gov

Nick Donofrio, Donofrio.nick@dol.gov 716-796-0803

800-321-OSHA (6742)

