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# ***North Carolina Department of Labor Occupational Safety & Health Division***

## ***OSH Advisory Fall 2019 Federal Fiscal Year 2019\****

### **Presented by:**

*Wanda Lagoe CSP CPM ARM*

Bureau Chief

Education, Training and Technical Assistance

Occupational Safety and Health Division of North Carolina

*\*Preliminary Data*



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# N.C. Workplace Safety and Health

## TRC and DART Rate Comparison

FFY 2019—Fall

CY 2018	North Carolina	National Average	Comparison
TRC Rate	2.4	2.6*	2.8
DART Rate	1.3	1.4*	1.6

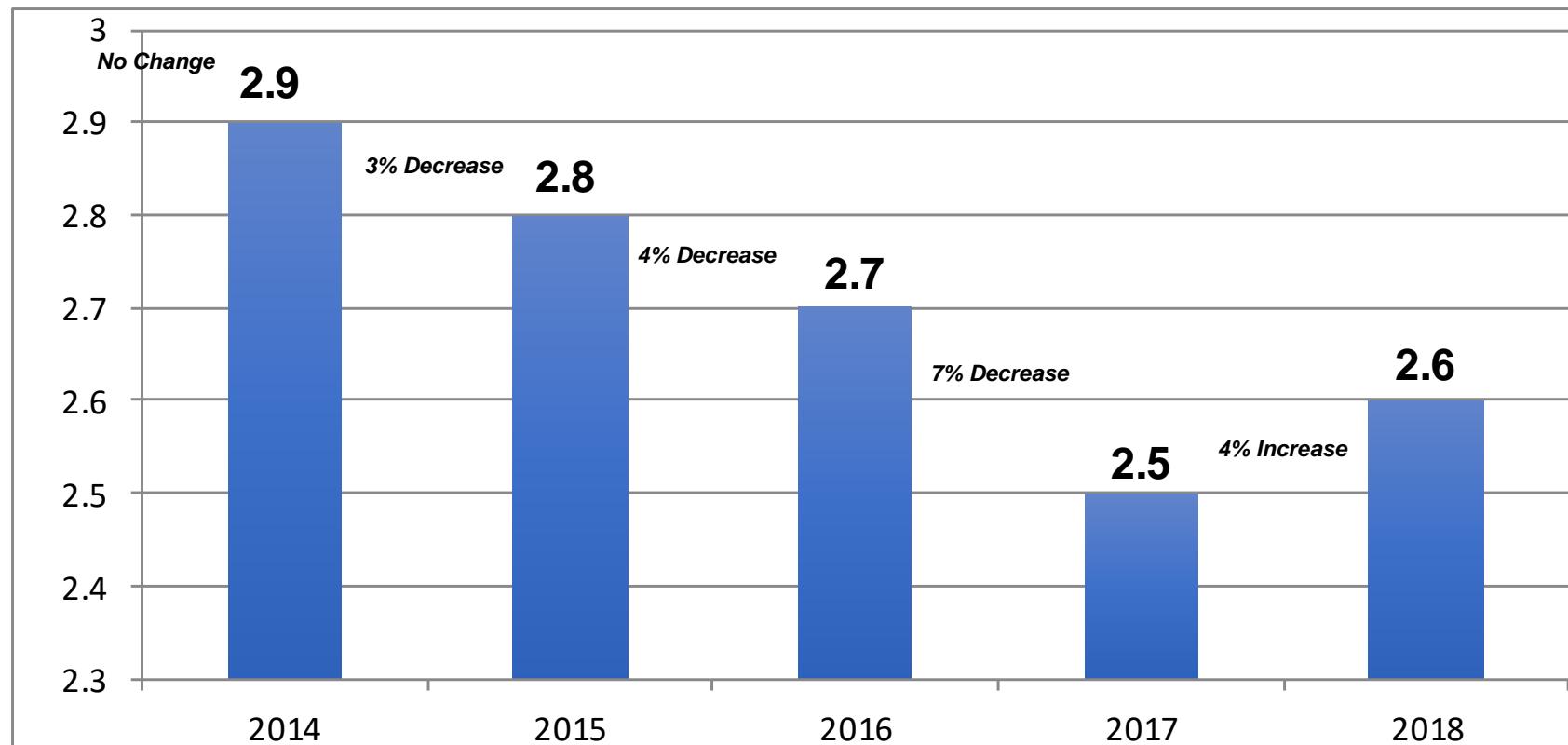
\*All industries including state and local government CY = Calendar Year



# N.C. Workplace Safety and Health

## Total Recordable Cases (TRC)

FFY 2019—Fall



All Industries Including State and Local Government  
Based on Calendar Year



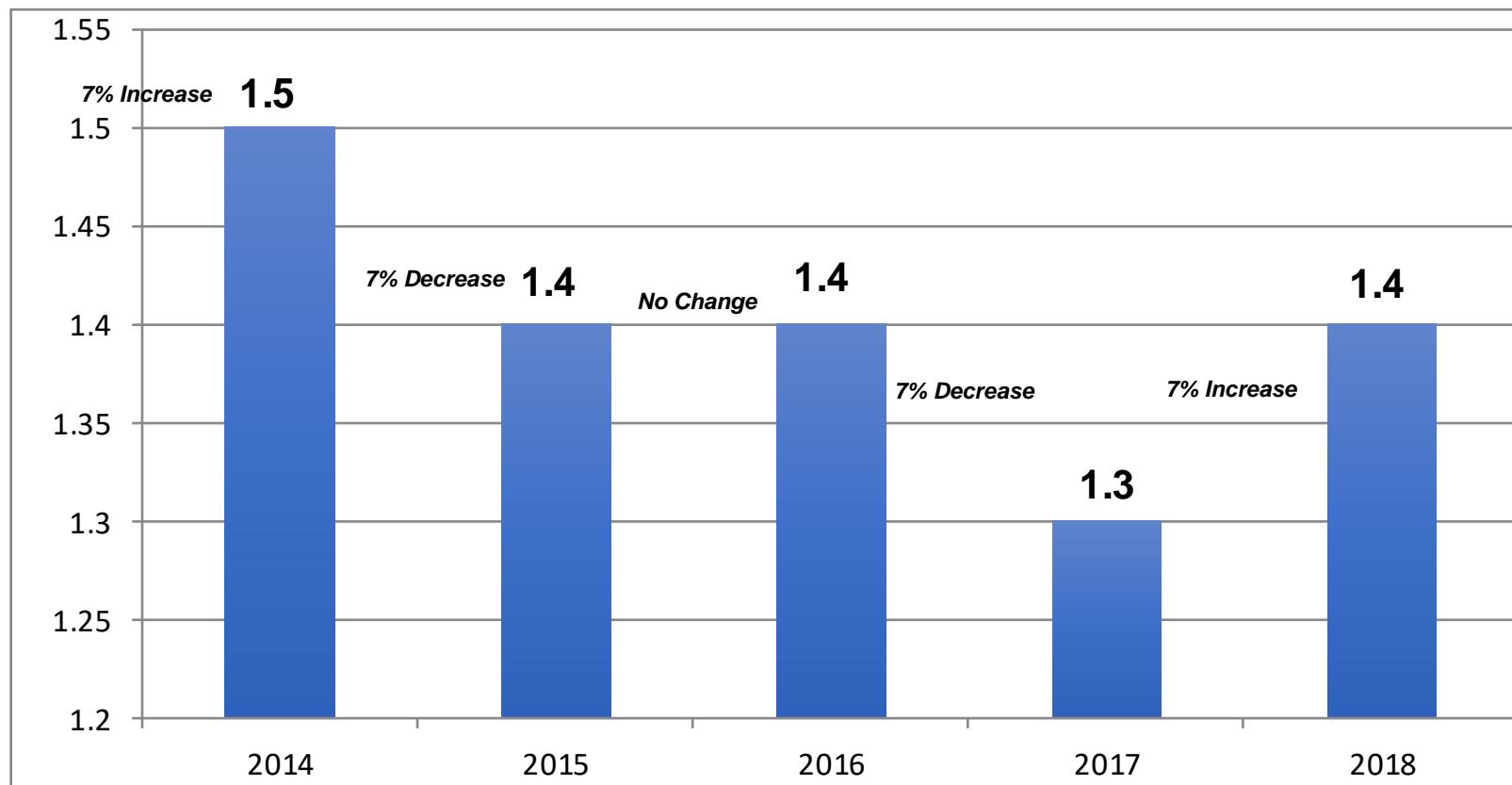
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# N.C. Workplace Safety and Health

*Days Away, Restricted or Transferred (DART)*

FFY 2019—Fall



*All Industries Including State and Local Government  
Based on Calendar Year*



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# OSH Division

## Fatalities Inspected

FFY 2019—Fall

FATALITY TYPE	Total	FATALITY TYPE	Total
Struck By	18	Inhalation	1
Caught In/Between	9	Ingestion	0
Bite/Sting/Scratch	0	Absorption	0
Fall (Same Level)	1	Repeated Motion/Pressure	0
Fall (From Elevation)	13	Cardio/Respiratory	0
Struck Against	1	Shock	1
Rubbed/Abraded	0	Other	9

Fatalities Under OSH Division Jurisdiction



	FFY 2018	FFY 2019	Total
Total Fatalities	49	Fatalities	53



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# OSH Division

## Strategic Plan Goals

FFY 2019—Fall

COMPLIANCE	Total	FFY Goal
<i>Safety Inspections</i>	<b>1,870</b>	1,907
<i>Health Inspections</i>	<b>985</b>	1,087
<i>Serious Hazards Eliminated</i>	<b>4,980</b>	4,100
CONSULTATION	Total	FFY Goal
<i>Serious Hazards Eliminated</i>	<b>7,380</b>	5,250
<i>Private and Public Sector Visits</i>	<b>1,692</b>	1,370
OSH DIVISION	Total	FFY Goal
<i>Program Improvements</i>	<b>2,688</b>	2,060
<i>People Trained in Special Emphasis Program Areas</i>	<b>7,198</b>	3,700
<i>People Trained at OSH Division Sponsored Events</i>	<b>13,696</b>	9,600



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# OSH Division

## Strategic Plan Goals

FFY 2019—Fall

Education, Training and Technical Assistance (ETTA)	Total	FFY Goal
<i>Publications Distributed</i>	<b>70,892</b>	45,000
<i>Standards Interpretations</i>	<b>3,159</b>	NA
Agricultural Safety and Health (ASH)	Total	FFY Goal
<i>Outreach Materials Distributed</i>	<b>5,143</b>	3,500
<i>Compliance Inspections</i>	<b>74</b>	80
<i>Certificates Issued</i>	<b>1,770</b>	1,500
<i>Preoccupancy Inspections</i>	<b>1,887</b>	1,700



NCDOL Photo Library



# OSH Division

## Complaint Desk\*

FFY 2019—Fall

	East Compliance	West Compliance	Agricultural Safety and Health		
ACTIVITY	Total	Total	Total	Cumulative Total	FFY 2018
Complaints	1,171	1,400	8	<b>2,579</b>	2,419
Referrals	398	443	64	<b>905</b>	822
Fat/Cat	91	81	1	<b>173</b>	123
<b>Totals</b>	<b>1,660</b>	<b>1,924</b>	<b>73</b>	<b>3,657</b>	3,364

\*Includes calls that were processed but not necessarily inspected. Fat/Cat includes calls regarding heart attacks and other natural causes.



# Strategic Plan

## *Special Emphasis Programs (SEP)*

FFY 2019—Fall

- *Construction*
- *Logging and Arboriculture*
- *Long Term Care Facilities*
- *Health Hazards*
- *Food Manufacturing*
- *Grocery and Related Product Wholesalers*
- *Amputations*



### **2019 – 2023 Strategic Management Plan**

*Goal #1 – Reduce fatalities by 2%*

*Goal #2 – Reduce injuries and illnesses by 5%*

# Special Emphasis Program

## Construction

FFY 2019—Fall

	North Carolina			National Average			North Carolina vs. National Average
	CY 2017		CY 2018	CY 2017		CY 2018	2018 Comparison
<b>TRC</b>	1.8	<b>28% Increase</b>	2.5	3.1	<b>No Change</b>	3.1	<b>19% Lower</b>
<b>DART</b>	1.1	<b>21% Increase</b>	1.6	1.8	<b>6% Decrease</b>	1.7	<b>6% Lower</b>



SEP ACTIVITY	Total	FFY Goal
Compliance Inspections	<b>1,641</b>	1,050
Consultative Visits	<b>503</b>	200
OSH Outreach Events (10 and 30 Hour Construction Courses)	<b>9</b>	8
People Trained	<b>2,293</b>	2,500

# Special Emphasis Program

## Construction

FFY 2019—Fall

NAICS 23—CONSTRUCTION	FFY 2018	FFY 2019 Total
<i>Total Fatalities</i>	24	<b>18</b>
<i>Fatality Rate</i>	0.0110	<b>0.0026*</b>

\* As of the end of the 2<sup>nd</sup> Qtr.

Fatality Type	Total	Fatality Type	Total
Struck By	4	Inhalation	1
Caught In/Between	1	Ingestion	0
Bite/Sting/Scratch	0	Absorption	0
Fall (Same Level)	0	Repeated Motion/Pressure	0
Fall (From Elevation)	7	Cardio/Respiratory	0
Struck Against	1	Shock	1
Rubbed/Abraded	0	Other	3



# Special Emphasis Program

## Logging and Arboriculture

FFY 2019—Fall

SEP ACTIVITY	Total	FFY Goal	
Compliance Inspections	39	60	
Consultative Visits	28	13	
OSH Training and Outreach Events	12	1	
People Trained	382	150	
			
NAICS 11331*—LOGGING	FFY 2018	Total	
Total Fatalities	0	1	
NAICS 56173*—ARBORICULTURE	FFY 2018	Total	
Total Fatalities	6	5	
Combined Fatality Rate	0.0166	0.0056*	

\* As of the end of the 2<sup>nd</sup> Qtr.



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# Special Emphasis Program

## Long Term Care Facilities

FFY 2019—Fall

### NAICS 623\*—LONG TERM CARE

	North Carolina		National Average			North Carolina vs. National Average	
	CY 2017	CY 2018	CY 2017	CY 2018	2018 Comparison		
TRC	6.4	16% Decrease	5.4	6.3	3% Decrease	6.1	11% Lower
DART	3.7	11% Decrease	3.3	3.8	3% Decrease	3.7	11% Lower

SEP ACTIVITY	Total	FFY Goal
Compliance Inspections	58	48
Consultative Visits	66	40
OSH Outreach Events	3	2
People Trained	442	50



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# Special Emphasis Program

## Health Hazards

FFY 2019—Fall

COMPLIANCE INSPECTIONS	Total	FFY Goal
Silica	72	
Asbestos	25	
Isocyanates	25	
Lead	31	
Hexavalent Chromium	12	
<b>Total</b>	<b>165*</b>	<b>100</b>
<i>Program Improvements</i>	<i>39</i>	<i>20</i>

*\*Some inspections involved more than one health hazard and generally included a program improvement*



# Special Emphasis Program

## Health Hazards

FFY 2019—Fall

HEALTH HAZARDS	Consultative Surveys	
	<i>Total</i>	
<i>Silica</i>	<b>170</b>	
<i>Asbestos</i>	<b>14</b>	
<i>Isocyanates</i>	<b>13</b>	
<i>Lead</i>	<b>31</b>	
<i>Hexavalent Chromium</i>	<b>27</b>	
<b>Total</b>	<b>255</b>	
<b>FFY Goal</b>	<b>200</b>	



SEP ACTIVITY	<i>Total</i>	FFY Goal
<i>OSH Outreach Events</i>	<b>41</b>	<b>18</b>
<i>People Trained</i>	<b>795</b>	<b>400</b>

# Special Emphasis Program

## Food Manufacturing

FFY 2019—Fall

### NAICS 311\*—FOOD MANUFACTURING

	North Carolina			National Average			North Carolina vs. National Average
	CY 2017		CY 2018	CY 2017		CY 2018	2018 Comparison
<b>TRC</b>	3.6	<b>19% Decrease</b>	2.9	4.5	<b>7% Decrease</b>	4.2	<b>31% Lower</b>
<b>DART</b>	2.5	<b>12% Decrease</b>	2.2	3.1	<b>6% Decrease</b>	2.9	<b>24% Lower</b>

\*TRC/DART rate based on the 3 digit NAICS code

SEP ACTIVITY	Total	FFY Goal
<i>Compliance Inspections</i>	<b>42</b>	40
<i>Consultative Visits</i>	<b>28</b>	12
<i>OSH Outreach Events</i>	<b>1</b>	1
<i>People Trained</i>	<b>14</b>	25



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# Special Emphasis Program

## Grocery and Related Product Wholesalers

FFY 2019—Fall

### NAICS 4244\*—GROCERY AND RELATED WHOLESALERS

	North Carolina			National Average			North Carolina vs. National Average
	CY 2017		CY 2018	CY 2017		CY 2018	2018 Comparison
<b>TRC</b>	4.1	<b>9% Increase</b>	4.5	5.1	<b>2% Increase</b>	5.2	<b>13% Lower</b>
<b>DART</b>	3.0	<b>12% Increase</b>	3.4	4.2	<b>5% Decrease</b>	4.0	<b>15% Lower</b>

\*DART/TRC rate based on the 4 digit NAICS code

SEP ACTIVITY	Total	FFY Goal
Compliance Inspections	23	20
Consultative Visits	4	3
OSH Outreach Events	1	1
People Trained	7	25



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# Special Emphasis Program

## Amputations—New

FFY 2019—Fall

- FFY 2019 Planning Year
  - *Setting and Monitoring Goals*
    - » Training Events (Internal and external)
    - » Compliance Inspections
    - » Consultation Visits
    - » Publications
  - *Operational Procedure Notice 149—SEP: Amputations*
    - » Establishes the SEP for inspections where employees may be exposed to amputation hazards on machinery due to lack of guarding/failure to utilize energy control procedures
    - » Mailed 1,675 SEP letters to employers

# OSH Division

## Public Sector

FFY 2019—Fall

	CY 2017	CY 2018
TRC	3.8	<b>3% Increase</b>
DART	1.8	<b>No Change</b>
		
ACTIVITY	Total	FFY Goal
Compliance Inspections	<b>188</b>	151
Consultative Visits	<b>244</b>	205
OSH Outreach Events/Booths	<b>36</b>	22
Trained	<b>1,506</b>	1,500



# OSH Division

## Recognition Programs

FFY 2019—Fall

STAR SITES—New, Recertification, Promotion	Total	FFY Goal	Approved Star Sites*
<i>Carolina Star</i>	<b>28</b>		<b>103</b>
<i>Building Star</i>	<b>5</b>		<b>22</b>
<i>Rising Star</i>	<b>0</b>		<b>5</b>
<i>Public Sector Star</i>	<b>3</b>		<b>23</b>
<b>Total</b>	<b>36</b>	<b>30</b>	<b>153</b>



\*Cumulative Total

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	Total	FFY Goal
<i>Star Sites—Termination/Withdrawn</i>	<b>3</b>	
<i>Star Booths</i>	<b>11</b>	
<i>Star Presentations</i>	<b>31</b>	<b>30</b>
<i>Star Program Interventions</i>	<b>166</b>	<b>150</b>



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# OSH Division

## Recognition Programs

FFY 2019—Fall

SHARP SITES—NEW	Total	FFY Goal	Approved SHARP Sites*
SHARP—Construction	2		6
SHARP—General Industry	6		137
SHARP—Public Sector	7		48
SHARP—Logging	0		0
<b>Total</b>	<b>15</b>	6	<b>191</b>
SHARP—Renewals	61*	55	

\*Includes both general industry and public sector renewals

GOLD STAR GROWERS—NEW	Total
	286
SAFETY AWARDS	Total
CY 2019 Safety Awards Season	3,201
<b>Total</b>	
Million Hour Awards	152

# OSH Division

## Cut-Loose, In-Training, Vacant

FFY 2019—Fall

WEST COMPLIANCE	Safety	%	Industrial Hygienist	%
<i>Cut Loose</i>	22	71%	21	81%
<i>In-Training</i>	2	6%	3	11%
<i>Vacant</i>	7	23%	2	8%
<b>Total</b>	<b>31</b>		<b>26</b>	
EAST COMPLIANCE	Safety	%	Industrial Hygienist	%
<i>Cut Loose</i>	14	52%	7	39%
<i>In-Training</i>	7	26%	7	39%
<i>Vacant</i>	6	22%	4	22%
<b>Total</b>	<b>27</b>		<b>18</b>	
<b>Safety Cut Loose</b>	62%		<b>Health Cut Loose</b>	64%
<b>Safety In-Training</b>	16%		<b>Health in-Training</b>	23%
<b>Safety Vacant</b>	22%		<b>Health Vacant</b>	14%



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# OSH Division

## Cut-Loose, In-Training, Vacant

FFY 2019—Fall

CONSULTATIVE SERVICES	Safety	%	Industrial Hygienist	%
Cut Loose	10	91%	8	100%
In-Training	1	9%	0	0%
Vacant	0	0%	0	0%
<b>Total</b>	<b>11</b>		<b>8</b>	
EDUCATION, TRAINING AND TECHNICAL ASSISTANCE	Safety	%	Industrial Hygienist	%
Cut Loose	8	73%	5	83%
In-Training	3	27%	0	0%
Vacant	0	0%	1	17%
<b>Total</b>	<b>11</b>		<b>6</b>	
AGRICULTURAL SAFETY AND HEALTH	Safety	%	Industrial Hygienist	
Cut Loose	4	67%	NA	
In-Training	2	33%	NA	
Vacant	0	0%	NA	
<b>Total</b>	<b>6</b>			



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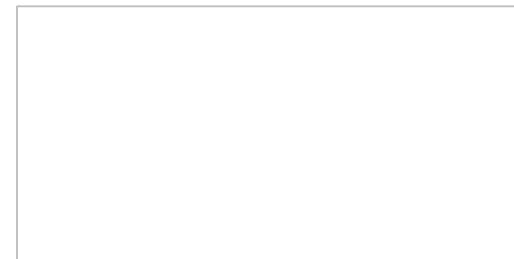
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## Training & Education Outreach

FFY 2019—Fall

### ● Stand Down

- Fall Prevention Safety Stand Down – May 6 - 10
  - » Two Construction Forums
    - Concord – May 7
    - Raleigh – May 9
- Trench Safety Stand Down – June 17 - 21
- Safe + Sound Week – August 12 - 18



# OSH Division

## MESH Certificate Program

FFY 2019—Fall

### ● Introducing New MESH

- *Emergency Preparedness MESH*
  - » For individuals responsible for emergency preparedness and disaster recovery.
  - » 60 of the 100 hours must be specific to preparing for and responding to emergencies.



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# OSH Division

## Standards Section—New/Revisions

FFY 2019—Fall

### ● Memos

- WWS 2 – *Enforcement of 29 CFR 1910.29(f)(1)(ii)(B) and 1910.29(f)(1)(iii)(A): Heights of Handrail and Stair Rail Systems (Guidance)*

### ● Compliance Directives

- CPL 02-00-161 – *National Emphasis Program: Trenching and Excavation*
  - » Directive implements an NEP in North Carolina for identifying, reducing and/or eliminating safety hazards associated with trenching and excavation. It supplements Construction SEP activity which includes trenching and excavation.



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# OSH Division

## Standards Section—Revisions

FFY 2019—Fall

### ● Memorandum of Understandings

#### — NCDHHS – *Radiation Protection Section*

» Memorandum between the NCDOL, OSH Division and the NCDHHS, Division of Health Service Regulation, Radiation Protection Section (formerly part of NCDENR).

#### — NCDEQ – *Air Quality Division*

» Memorandum between the NCDOL, OSH Division and the NCDEQ (formerly NCDENR), Air Quality Division.

#### — NCDA & CS – *Meat and Poultry Inspection Division*

» Memorandum between the NCDOL, OSH Division and the NC Department of Agriculture and Consumer Service, Meat and Poultry Inspection Division.

# Thank You For Attending!

FFY 2019—Fall

## Questions?

**1-800-NC-LABOR**  
(1-800-625-2267)  
**[www.labor.nc.gov](http://www.labor.nc.gov)**



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