### Victim Information

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
</table>
| 1. Was the victim performing a task that was not a part of their normal work duties/tasks? | 01. Yes  
02. No  
9. Unknown |
| 2. Was anyone within direct visual or verbal contact with victim at the time of the incident? | 01. Yes  
02. No (Go to Q4)  
9. Unknown (Go to Q4) |
| 3. Was this direct contact maintained for safety purposes?               | 01. Yes  
02. No  
9. Unknown |
| 4. How familiar was the victim with the task being performed at the time of the incident? | 01. Not familiar  
02. Somewhat familiar  
03. Very familiar  
9. Unknown |
| 5. How often did victim do this task? (if variable amounts, ask about the month prior to the incident) | 01. First time ever?  
02. Less than once per week  
03. About once per month  
04. Sporadically (during a month)  
05. One or more times per week  
06. Daily or almost daily  
07. Monthly  
08. Other ____________________________  
9. Unknown |
| 6. How long had it been since the task was last performed by the victim? | 01. > 1 week before incident  
02. < 1 week before incident  
03. 1 month before incident  
04. 6 months to 1 year before incident  
05. >1 year before incident  
06. Earlier in day  
07. Other ____________________________  
9. Unknown |

### Incident Information

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
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</thead>
</table>
| 7. The victim’s work area at the time of the incident was:             | 01. Usual work area  
02. Unfamiliar work area  
03. Limited Access work area  
04. Restricted work area  
05. Unauthorized work area  
06. Authorized work area  
9. Unknown |
<table>
<thead>
<tr>
<th>Question</th>
<th>Option 1</th>
<th>Option 2</th>
<th>Option 3</th>
<th>Option 4</th>
<th>Option 5</th>
<th>Option 6</th>
<th>Option 7</th>
<th>Option 8</th>
<th>Option 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>8. Was the machine equipped with an emergency shut-off device?</td>
<td>01. Yes</td>
<td>02. No</td>
<td>03. NA</td>
<td>04. NA</td>
<td>05. NA</td>
<td>06. NA</td>
<td>07. NA</td>
<td>08. NA</td>
<td>09. Unknown</td>
</tr>
<tr>
<td>9. What was the condition of the operating controls of the machine?</td>
<td>01. Satisfactory</td>
<td>02. NA</td>
<td>03. NA</td>
<td>04. NA</td>
<td>05. NA</td>
<td>06. NA</td>
<td>07. NA</td>
<td>08. NA</td>
<td>09. Unknown</td>
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<td>(Circle all that apply)</td>
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<tr>
<td>operator’s station that would restrict the operator’s visibility?</td>
<td>not restricted</td>
<td>windshield or windows</td>
<td>machine operator station</td>
<td>component (bucket, exhaust stack, etc.)</td>
<td>windshield or windows</td>
<td>windows blocked with wood, cardboard, etc.</td>
<td>operator station</td>
<td>(Specify)</td>
<td>(Specify)</td>
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<td>(Circle all that apply)</td>
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<tr>
<td>11. What was nature of working surface at the incident site?</td>
<td>01. Level</td>
<td>02. Sloping</td>
<td>03. Uneven (pitted, rolling terrain, slight dips)</td>
<td>04. Concrete floor (indoors)</td>
<td>05. Concrete floor (outdoors)</td>
<td>06. Other (Specify)</td>
<td>99. Unknown</td>
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<td>specify angle or % grade</td>
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<tr>
<td>11a. General Incident Description [Provide a brief detailed description</td>
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<td>of the activities being performed by the victim (pre-event, event,</td>
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<td>post-event)]</td>
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<td>Company Training Program</td>
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<td>(Check all that apply to training received by company employees?)</td>
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<tr>
<td>12. Does the company require machine operator certification?</td>
<td>01. Yes</td>
<td>02. No</td>
<td>03. NA</td>
<td>04. NA</td>
<td>05. NA</td>
<td>06. NA</td>
<td>07. NA</td>
<td>08. NA</td>
<td>09. Unknown</td>
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<tr>
<td>13. Does the company require machine operator licensing?</td>
<td>01. Yes</td>
<td>02. No</td>
<td>03. NA</td>
<td>04. NA</td>
<td>05. NA</td>
<td>06. NA</td>
<td>07. NA</td>
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<td>09. Unknown</td>
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<td>14. Are machine operators tested for proficiency?</td>
<td>01. Yes</td>
<td>02. No</td>
<td>03. NA</td>
<td>04. NA</td>
<td>05. NA</td>
<td>06. NA</td>
<td>07. NA</td>
<td>08. NA</td>
<td>09. Unknown</td>
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</tbody>
</table>
### Machine Guarding

15. Were machine guards/shields in place at the time of the incident?  
   - 01. Yes (Go to Q17)  
   - 02. No  
   - 03. NA (Go to Q21)  
   - 09. Unknown (Go to Q21)

16. Why were the guards/shields not in place?  
   - 01. Convenience of operation (e.g., device slowed process/production)  
   - 02. Removed previously but not replaced  
   - 03. Machine parts never guarded  
   - 04. Maintenance/repair  
   - 05. Machine adjustment  
   - 06. Equipment defect (could not operate with guards in place)  
   - 07. Other (Specify)  
   - 08. Other (Specify)  
   - 09. Guard not needed  
   - 99. Unknown

17. Did the condition of the guards/shields, at the time of the incident, increase the potential for the fatality to occur?  
   - 01. Yes (Go to Q19)  
   - 02. No (Go to Q19)  
   - 99. Unknown (Go to Q19)

18. What was the condition of the guards/shields, before the incident, which may have increased the potential for the fatality?  
   - 01. Broken  
   - 02. Bent  
   - 03. Improper shield  
   - 04. Other (specify)  
   - 9. Unknown

19. Was the guard/shield adequately designed to prevent the fatality?  
   - 01. Yes (Go to Q21)  
   - 02. No  
   - 99. Unknown (Go to Q21)

20. What feature(s) of the guard/shield may not have been adequately designed to prevent the fatality?  
   - 01. Size  
   - 02. Mounting position  
   - 03. Adjustment range  
   - 04. Other (Specify)  
   - 05. Other (Specify)  
   - 9. Unknown

21. Were perimeter barriers in place around stationary machines?  
   - 01. Yes  
   - 02. No  
   - 99. Unknown

### Lockout/Tagout Program

22. Does the company have a written lockout/tagout program?  
   - 01. Yes  
   - 02. No  
   - 99. Unknown

23. Are all employees trained according to their involvement in the lockout/tagout program?  
   - 01. Yes  
   - 02. No  
   - 99. Unknown

24. Are there machine specific lockout/tagout procedures?  
   - 01. Yes  
   - 02. No  
   - 99. Unknown

### General Machine Information

25. Machine Type  
   - 01.  
   - 99. Unknown

26. Manufacturer  
   - 01.  
   - 99. Unknown

27. Model Number  
   - 01.  
   - 99. Unknown
<p>| | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>28. Serial Number</strong></td>
<td>01.</td>
<td>9. Unknown</td>
</tr>
<tr>
<td><strong>29. Age/Year Machine Built</strong></td>
<td>01.</td>
<td>9. Unknown</td>
</tr>
<tr>
<td><strong>30. Circle all that apply to general information about the machine:</strong></td>
<td>01. Purchased New</td>
<td>08. Equipped with manufacturers specification/prints</td>
</tr>
<tr>
<td></td>
<td>02. Purchased Used</td>
<td>09. Equipped with maintenance records</td>
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<td>03. Leased long term</td>
<td>10. Machine being used for the purpose for which it was built</td>
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<td>04. Rented short term</td>
<td>11. Lack of maintenance a possible factor in the incident</td>
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<td>05. Equipped w/ operator manual</td>
<td>12. Rebuilt/reconstructed</td>
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<td>06. Equipped w/ safety manual</td>
<td>13. Other __________</td>
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<td></td>
<td>07. Equipped with maintenance manual</td>
<td>14. Other __________</td>
</tr>
<tr>
<td><strong>31. Type of Machine involved in incident</strong></td>
<td>01. Agricultural (Use Farm Supplement)</td>
<td></td>
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<tr>
<td></td>
<td>02. Lifting machine and appliances (Use Lifting machine supplement)</td>
<td></td>
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<td>03. Earth moving, scraping, excavating (Use Earth moving machine supplement)</td>
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<td>04. Logging (Use Logging Supplement)</td>
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<td></td>
<td>05. Mining and earth drilling (Go to Q32)</td>
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<td></td>
<td>06. Metal working (Go to Q33)</td>
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<td></td>
<td>07. Woodworking or forming machines (Go to Q34)</td>
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<td></td>
<td>08. Prime movers, except electrical motors (Go to Q35)</td>
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<td></td>
<td>09. Transmission machinery (Go to Q36)</td>
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<td></td>
<td>10. Other Machines (Go to Q37)</td>
<td></td>
</tr>
<tr>
<td><strong>32. What type of mining and earth drilling machinery was involved in the incident? (After completion, go to Q38)</strong></td>
<td>01. Bore or drill (land or seabed)</td>
<td></td>
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<tr>
<td></td>
<td>02. Shaft hoist</td>
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<td>03. Shaft lift</td>
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<td>04. Under cutter</td>
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<td></td>
<td>05. Other (Specify) ________________________________________</td>
<td>9. Unknown</td>
</tr>
<tr>
<td><strong>33. What type of metal working machinery was involved in the incident? (After completion, go to Q38)</strong></td>
<td>01. Abrasive wheel</td>
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<td></td>
<td>02. Forging machine</td>
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<td></td>
<td>03. Lathe</td>
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<td></td>
<td>04. Mechanical shears</td>
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<td></td>
<td>05. Metal drilling machine</td>
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<td>06. Metal milling machine</td>
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<td></td>
<td>07. Metal power press</td>
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<td>08. Metal rolling mill</td>
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<tr>
<td></td>
<td>09. Metal sawing machine</td>
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<td></td>
<td>10. Other (Specify) ________________________________________</td>
<td>99. Unknown</td>
</tr>
<tr>
<td><strong>34. What type of woodworking or forming machine was involved in the incident? (After completion, go to Q38)</strong></td>
<td>01. Band saw</td>
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<td></td>
<td>02. Bench saw</td>
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<tr>
<td></td>
<td>03. Circular saw</td>
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<td></td>
<td>04. Moulding machine</td>
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<td>05. Overhead plane</td>
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<td>06. Powered saw (except hand)</td>
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<td>07. Radial saw</td>
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<td></td>
<td>08. Sander</td>
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</tbody>
</table>
## Machine-related Survey

### 35. What type of prime mover was involved in the incident? (After completion, go to Q38)

- 01. Gas turbine
- 02. Internal combustion engine
- 03. Steam engine
- 04. Water driven turbine
- 05. Hydraulic
- 06. Electric
- 07. Other (Specify) ________________________________
- 9. Unknown

### 36. What type of transmission machinery was involved in the incident? (After completion, go to Q38)

- 01. Belt
- 02. Cable
- 03. Chain
- 04. Gear
- 05. Pinion
- 06. Pulley
- 07. Shaft
- 08. Other (Specify) ________________________________
- 9. Unknown

### 37. What type of miscellaneous machinery was involved in the incident? (After completion, go to Q38)

- 01. Clothing manufacturing machine
- 02. Foodstuff or Beverage manufacturing machine
- 03. Paper manufacturing machine
- 04. Printing machine
- 05. Spinning, weaving and textile machines
- 06. Other (Specify) ________________________________
- 9. Unknown

### 38. Was the machine involved in the incident a stationary machine? (machine rigidly mounted in a fixed location, that is not capable of changing its physical location under its own power)

- 01. Yes (Go to Q40)
- 02. No
- 9. Unknown

### 39. Was the machine involved in the incident a mobile machine? (machine capable of changing its physical location under its own power, even if not moving at the time of the incident)

- 01. Yes (Go to Q41)
- 02. No
- 9. Unknown

### 39a. Notes:

- 09. Other (Specify) ________________________________
- 9. Unknown

### Stationary Machine

#### 40. Check all stationary machine information that applies:

- 01. Equipped with operable emergency shut-off device
- 02. Equipped with inoperable emergency shut off device
- 03. Equipped with panic bar
- 04. Equipped with emergency stop button
- 05. Equipped with emergency stop cord
- 06. Equipped with deadman control
- 07. Emergency shut-off device clearly identifiable/visible
- 08. Emergency shut-off device easily accessible to the victim at the time of the incident
- 09. Emergency shut-off device easily accessible to other workers in the work area
- 10. Failure of a safety device a possible factor in the incident
- 11. Pressure sensitive areas
- 12. Other (Specify) ________________________________
- 13. Other (Specify) ________________________________
### Machine-related Survey

**40a. Any other information pertaining to the stationary machine:**

_______________________________________________________________________________________________
_______________________________________________________________________________________________
_______________________________________________________________________________________________
_______________________________________________________________________________________________

### Mobile Machine

**41. Check all mobile machine information that applies**

- 01. Stationary when incident occurred
- 02. Traveling forward when incident occurred
- 03. Traveling in reverse when the incident occurred
- 04. Traveling uphill when the incident occurred
- 05. Transversing slope when the incident occurred
- 06. Machine component failure a factor in the incident
- 07. Safety device failure a factor in the incident
- 08. Incident involved a rollover
- 09. Machine manufactured with ROPS
- 10. Machine equipped with retrofit ROPS
- 11. Machine equipped with functioning operator restraint system
- 12. Operator restraint system being used at time of incident
- 13. Machine equipped with functioning back-up alarm system
- 14. Backup alarm system unintentionally damaged
- 15. Back-up alarm system unintentionally disabled
- 16. Machine powered or transported by other machine (wood chipper, hay baler)
- 17. Machine equipped with functional mirror
- 18. Cab glass intact
- 19. Cab glass clean
- 20. Other (Specify) ________________________________
- 21. Other (Specify) ________________________________

### Environmental Conditions

**42. Circle all environmental conditions that existed at the time of the incident:**

- 01. Poor lighting
- 02. Dust
- 03. Glare
- 04. Fog
- 05. Sunlight
- 06. Wind
- 07. Rain
- 08. Noise
- 09. Artificial lighting
- 10. Working at night
- 11. Hot conditions
- 12. Freezing conditions
- 13. Snowing
- 14. Other (Specify) ________________________________
- 15. Other (Specify) ________________________________
- 99. Unknown
43. Circle all other ground/site surface conditions which may have impacted the incident:

<table>
<thead>
<tr>
<th></th>
<th>01. Dry</th>
<th>02. Wet</th>
<th>03. Muddy</th>
<th>04. Rutted</th>
<th>05. Plowed ground</th>
<th>06. Rocky (Rocky soil)</th>
<th>07. Rocks on top of soil surface</th>
<th>08. Scattered Tree limbs on ground</th>
<th>09. High grass obstructing the view of ground surface</th>
</tr>
</thead>
</table>

**Fire Information**

44. Was a fire involved in the incident?  
01. Yes  
02. No (Go to Q50)  
9. Unknown (Go to Q50)

45. What was the type of fire?  
01. Chemical  
02. Electrical  
03. Combustible  
04. Unknown  
9. Unknown

46. Did fire originate in piece of farm equipment?  
01. Yes  
02. No (Go to Q48)  
9. Unknown (Go to Q48)

47. Enter farm equipment code  
____ ____ (3 digit code)

48. What type of equipment was involved in the fire?

49. Did the fire start because of equipment failure?  
01. Yes  
02. No (Go to Q50)  
9. Unknown (Go to Q50)

49a. Describe equipment failure that may have contributed to the cause of the fire:

______________________________________________________________________________________________
______________________________________________________________________________________________
______________________________________________________________________________________________

**Entanglement**

50. Did the victim become entangled in the machine?  
01. Yes  
02. No (END)  
9. Unknown (END)

51. Did the manufacturer recommend the machine be shut down during performance of the task being performed at the time of the incident?  
01. Yes  
02. No  
9. Unknown

52. Were there warning labels present on the machine, or on the shields and guards to alert the operator of the hazards of entanglement?  
01. Yes  
02. No  
9. Unknown

53. Did clothing contribute to entanglement in the equipment?  
01. Yes  
02. No (Go to Q55)  
03. Unknown (Go to Q55)

54. What clothing contributed to entanglement in the equipment?  
01. Jacket  
02. Long-sleeve shirt  
03. Tie  
04. Trousers  
05. Belt/Suspenders  
06. Gloves  
07. Other (Specify):  
08. Other (Specify):  
09. Unknown

55. Did entanglement occur in a normally unguarded or unshielded part(s) of the machine?  
01. Yes  
02. No (END)  
9. Unknown (END)

55a. Describe the parts of the machine in which entanglement occurred, clearly specify if parts are normally unguarded and state why.