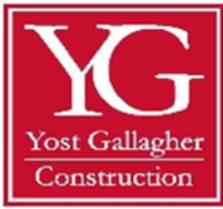


ACCIDENT PREVENTION PLAN

Updated 2024

The information contained in this document is intended to provide guidance and general information concerning safety-related issues. It is not designed to replace common sense and more specific knowledge, by Yost Gallagher Construction personnel, concerning safety regulations and procedures.

The author assumes no liability for errors or omissions.



Project Name: _____

Address: _____

**IN CASE OF EMERGENCY
CALL 911**

URGENT CARE

Address: _____

Telephone: _____

HOSPITAL EMERGENCY

Address: _____

Telephone: _____

FIRE DEPARTMENT

Address: _____

Telephone: _____

POLICE DEPARTMENT

Address: _____

Telephone: _____

Yost Gallagher Construction

Expected Hazards

Project _____ Preparation Date _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

SAMPLE

Yost Gallagher Construction

Expected Hazards

Project _____ Preparation Date _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

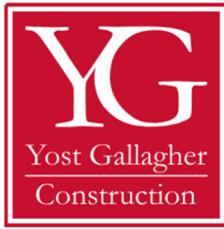
8. _____

9. _____

10. _____

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RESPONSIBILITIES

Yost Gallagher Construction Safety Policy

Property damage accidents and industrial injuries create no-win situations for everyone. Employees experience pain, incapacitation and in many instances, significant financial loss. The company suffers the loss of human and physical resources.

Our goal is to eliminate the development of these undesirable situations.

We intend to provide a safe work environment, establish programs which promote safe work practices and provide leaders who encourages, guides, instructs and insists upon compliance with our safety policies and procedures.

Employees are expected to cooperate in our commitment, by making safety a part of all their work activities and by accepting responsibility for their safety and that of their coworkers.

Active participation in and support of our safety commitment is essential.

Jeff P. Gallagher
President

Matt Galvano
Vice President

Supervisory Responsibilities

The immediate supervisor has the greatest opportunity to positively and significantly impact our safety effort and commitment. The immediate supervisor establishes the general attitude toward safety and is therefore held accountable for our overall safety performance.

The immediate supervisor will:

1. Set a proper safety example. Establish and maintain the highest safety standard.
2. Possess knowledge concerning governmental and other safety mandates.
3. Assure that subordinates, including subcontractors and their employees, understand and obey safety rules, regulations, policies, and procedures. When justified, provide fair, consistent, and suitable discipline and, when appropriate, provide positive reinforcement.
4. Insure availability, appropriate selection, proper utilization, and care of Personal Protective Equipment (PPE).
5. Assure that personnel wear clothing that is appropriate for the task and atmospheric condition. At a minimum, pants, sturdy shoes or boots, and shirts with sleeves are required.
6. Conduct a safety orientation session with new subcontractors.
7. Be certified in first-aid, including Cardiopulmonary Resuscitation (CPR) and bloodborne pathogens exposure prevention protocol. Administer first-aid and/or Cardiopulmonary Resuscitation (CPR) as a "Good Samaritan" volunteer.
8. Have adequate first-aid supplies and fire suppression equipment available and properly stationed.
9. Assure that a work-related incident, accident and/or injury is properly and promptly reported and documented. Provide verbal and later, as soon after an incident/accident/injury occurrence as possible and in a written format, a comprehensive report to the company's business office.
10. Ensure that daily job site housekeeping activities are performed.
11. Identify and quickly eliminate job hazards, by following the "job hazard analysis" procedures, by responding to safety concerns, expressed by subordinates, and by addressing safety deficiencies, when discovered during a weekly job site safety inspection.
12. Ensure that a Safety Data Sheet (SDS) file is available. Provide training to personnel concerning hazardous substances that could potentially be encountered during normal work activities or during an emergency condition.
13. Assure that all tools and equipment are in a safe condition and that subordinates are properly qualified, trained and certified to operate tools and equipment safely and appropriately.
14. Review accident trends and investigate "near misses" to determine if additional preventative measure is warranted.
15. At weekly time-intervals, schedule, conduct and document a job site safety meeting.
16. At weekly time-intervals, conduct and document a job site safety inspection.

17. Conduct and document each crew safety training session (Toolbox Talk).
18. Prepare safety planning documents (fall protection work plan, demolition plan, job hazard analysis, etc.) and provide training concerning those documents to relevant personnel.
19. Have emergency telephone numbers available and conspicuously displayed.
20. Appropriately display employment/safety posters.
21. Provide sufficient work zone illumination.
22. Provide adequate work area ventilation.
23. Provide an adequate supply of drinking water.
24. Provide suitable sanitation facilities.
25. Provide job site security and protection/warning for the general public.
26. Encourage employees' participation in the company's safety program.
27. Provide for, and follow, all COVID-19 or similar community infectious disease procedures as provided in the company's most current plan.

Employee Responsibilities

As a Yost Gallagher Construction employee, I will:

1. Observe all company safety and health policies and procedures and apply the principles of accident prevention to my work activities.
2. Attend safety training sessions.
3. Provide a positive and sincere safety image to my co-workers, especially new employees.
4. Immediately report a job-related injury, illness, "near miss", incident or property damage accident to my supervisor. If circumstances warrant, provide a written incident report.
5. Promptly report hazardous conditions and unsafe acts to my supervisor.
6. Comply with informational and warning signs, barricades and tags.
7. Keep walkways and work areas clear of slip and trip hazards.
8. As soon as possible, remove refuse from the work area.
9. Follow good housekeeping practices. Clean work area daily.
10. Store materials and supplies in a safe manner. Tie down or support steel piles to prevent falling, rolling or shifting.
11. Not use compressed air or oxygen to clean dust or other material from myself, another worker or a work zone.
12. Use only approved solvent for cleaning purposes.
13. Remove or clinch nails in used lumber.
14. Know the location of fire/safety exits and evacuation procedures.
15. Keep all emergency equipment, such as: fire extinguishers, fire alarms, fire hoses and exit doors, clear of obstacles.
16. Know the location and proper operational procedure for fire suppression equipment.
17. Know the location of first-aid and other emergency equipment.
18. Not report to work while under the influence of or affected by the consumption of an alcoholic beverage or a drug nor consume them during work time or while on company premises.
(Refer to the company's Substance Abuse Policy)
19. Remain in my work area, unless I am instructed otherwise.
20. Refrain from fighting, horseplay or distracting fellow workers.
21. While conducting company business, not possess or use a firearm or another weapon.

22. Know the correct use of hand and power tools. Use the correct tool for the job.
23. Use tools and equipment that are in safe condition. Never use tools with split, broken or loose handles or mushroomed or burred heads. Keep cutting tools sharp. Carry tools in a tool belt or other appropriate holder or container.
24. Use only those tools and equipment which I have been trained and authorized to operate. Observe safe operating procedures.
25. Perform only those tasks that I am trained and qualified to perform. If unsure, I will discuss the task with my supervisor.
26. Secure tools, equipment and materials during the performance of work activities from scaffolding, n aerial lift or another elevated work platform.
27. Use a properly grounded or double insulated power tool or equipment.
28. Use a properly insulated and grounded electrical extension cord.
29. Insure that electrical circuits are equipped with a Ground Fault Circuit Interrupter (GFCI).
30. Follow proper lifting procedures, get help with heavy or bulky items. Whenever possible, use mechanical lifting equipment.
31. Prior to performing refueling activities, turn-off a vehicle or equipment engine.
32. Ride as a passenger in a vehicle or on equipment, only when a suitable passenger seat is provided. When personnel restraints are available, a vehicle or equipment occupant(s) must utilize that equipment.
33. Prior to equipment operation, insure that all guards and other protective devices are in place.
34. Not wear frayed, torn or loose clothing, jewelry or long unrestrained hair near moving machinery or other sources of entanglement or when working near electrical equipment.
35. Wear clothing which is appropriate for the weather and my task. The minimum clothing requirement is: full length trousers and a full-bodied shirt, with four (4) inch sleeves.
36. Wear a hardhat, when exposed to a falling, flying, penetration, impact or electrical hazard.
37. Use eye and/or face protection when exposed to flying objects, dust, harmful rays, a chemical, flying particles, when operating pneumatic or powder actuated tools or when exposed to another eye and/or face hazard.
38. Wear appropriate footwear. Sport shoes, sandals and similar lightly constructed footwear are prohibited.
39. Use gloves, an apron or other protective device when handling rough materials, a chemical or another dangerous object.

Employee's Responsibilities

Page3

40. Use a respirator when a dangerous level of dust, mist or toxic substance is present.
41. When exposed to a hazardous noise level, utilize hearing protective devices.
42. Properly protect and maintain personal protective equipment.
43. Not allow my use of a tobacco product to interfere with my work performance. If I use a tobacco product, I will use it at appropriate times and in an approved location.
44. Actively support and participate in the company's safety program.
 - * Participate in safety meetings.
 - * Make sincere safety suggestions.
 - * Participate in a work-related injury/accident investigation.

Employee Orientation

Orientation of a newly employed or newly assigned employee should be conducted on the first day of the relevant employee's employment or assignment. The orientation should provide an introduction to the company's policies and procedures and should include a thorough safety briefing. In order to acquaint the employee with the site and the hazards associated with working at that specific work location, the session should also include a work zone tour.

General employee orientation sessions will be conducted by business office personnel and specific-site sessions and tours will be conducted by the employee's supervisor.

A safety orientation checklist is provided to assist with the presentation.

Yost Gallagher Construction
Safety Employment & Safety Orientation Check List

Project: _____ **Date Hired/Assigned:** _____

1. Accident Prevention Program:

Provide a review of the operations, procedures, methods, and hazards related to this specific project. A "Pertinent Safety Rules" form should be completed and attached to this document.

2. Use and Care of Personal Protective Equipment:

- | | | |
|---|--|---|
| <input type="checkbox"/> Proper Clothing | <input type="checkbox"/> Eye & Face Protection | <input type="checkbox"/> Hardhat |
| <input type="checkbox"/> Suitable Footwear | <input type="checkbox"/> Hand Protection | <input type="checkbox"/> Hearing Protection |
| <input type="checkbox"/> Respiratory Protection | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |

3. Personal Work Habits

- | | | |
|---|---|---|
| <input type="checkbox"/> Disciplinary Policy | <input type="checkbox"/> Housekeeping Practices | <input type="checkbox"/> Work Schedule |
| <input type="checkbox"/> Substance Abuse Policy | <input type="checkbox"/> Proper Lifting Techniques | <input type="checkbox"/> Pay Periods |
| <input type="checkbox"/> Tobacco Use Policy | <input type="checkbox"/> Equal Employment Opportunity | <input type="checkbox"/> Overtime Work |
| <input type="checkbox"/> Proper Conduct | <input type="checkbox"/> Anti-Discrimination Policy | <input type="checkbox"/> Heat-related Illness |

4. Accident/Injury Reporting Procedures:

- | | |
|--|---|
| <input type="checkbox"/> How and when to report an accident/injury "near miss" | <input type="checkbox"/> Modified-duty program |
| <input type="checkbox"/> To whom an accident/injury "near miss" should be reported | <input type="checkbox"/> Accident report filing |

5. First-Aid: Location of facilities Certified Personnel

6. Emergency Preparedness Plan: Review written plan

7. Hazard Communication Program (SOS): Review program

8. Vehicle and Equipment Safety:

- | | | |
|---|---|--|
| <input type="checkbox"/> Review Policy | <input type="checkbox"/> Proper use and maintenance | <input type="checkbox"/> Operator qualifications |
| <input type="checkbox"/> Accident and incident reporting procedures | | |

9. Employee Responsibilities: Review Safety meeting schedule

The signatures below document that the appropriate elements of the company's safety program have been discussed to the satisfaction of the employee and the supervisor and that both individuals accept responsibility for maintaining a safe and healthful work environment.

Employee's Name: _____

Position: _____

Employee's Signature: _____

Supervisor's Signature: _____

**Yost Gallagher Construction
Employment and Safety Orientation
Pertinent Safety Rules**

A review and discussion of the project "Pertinent Safety Rules" was included in the employee safety orientation presentation. Acknowledgment of that process is indicated with an employee's and a supervisor's signature.

Acknowledgement: (Attendee Signature(s))

- 1. _____ Date: _____
- 2. _____ Date: _____
- 3. _____ Date: _____
- 4. _____ Date: _____
- 5. _____ Date: _____
- 6. _____ Date: _____
- 7. _____ Date: _____
- 8. _____ Date: _____
- 9. _____ Date: _____
- 10. _____ Date: _____

Supervisor's Signature: _____ Date: _____

Yost Gallagher Construction
Safety Employment & Safety Orientation Check List

Project: _____ **Date Hired/Assigned:** _____

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|---|--|---|
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| <input type="checkbox"/> Suitable Footwear | <input type="checkbox"/> Hand Protection | <input type="checkbox"/> Hearing Protection |
| <input type="checkbox"/> Respiratory Protection | <input type="checkbox"/> _____ | <input type="checkbox"/> _____ |

3. Personal Work Habits

- | | | |
|---|---|---|
| <input type="checkbox"/> Disciplinary Policy | <input type="checkbox"/> Housekeeping Practices | <input type="checkbox"/> Work Schedule |
| <input type="checkbox"/> Substance Abuse Policy | <input type="checkbox"/> Proper Lifting Techniques | <input type="checkbox"/> Pay Periods |
| <input type="checkbox"/> Tobacco Use Policy | <input type="checkbox"/> Equal Employment Opportunity | <input type="checkbox"/> Overtime Work |
| <input type="checkbox"/> Proper Conduct | <input type="checkbox"/> Anti-Discrimination Policy | <input type="checkbox"/> Heat-related Illness |

4. Accident/Injury Reporting Procedures:

- | | |
|--|---|
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| <input type="checkbox"/> To whom an accident/injury "near miss" should be reported | <input type="checkbox"/> Accident report filing |

5. First-Aid: Location of facilities Certified Personnel

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7. Hazard Communication Program (SOS): Review program

8. Vehicle and Equipment Safety:

- | | | |
|---|---|--|
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| <input type="checkbox"/> Accident and incident reporting procedures | | |

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Supervisor's Signature: _____

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Employment and Safety Orientation
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- | | | |
|-----|-------|-------------|
| 1. | _____ | Date: _____ |
| 2. | _____ | Date: _____ |
| 3. | _____ | Date: _____ |
| 4. | _____ | Date: _____ |
| 5. | _____ | Date: _____ |
| 6. | _____ | Date: _____ |
| 7. | _____ | Date: _____ |
| 8. | _____ | Date: _____ |
| 9. | _____ | Date: _____ |
| 10. | _____ | Date: _____ |

Supervisor's Signature: _____ Date: _____

Yost Gallagher Construction Progressive Discipline Policy

Any YG employee who is involved in a preventable industrial, property damage and/or safety policy violation will be given a verbal notice of the violation and will be debriefed for the purpose of preventing a future occurrence and be given a opportunity to discuss ways that such a violation can be prevented in the future.

Should an employee become involved in a second violation, incident, or accident, within the subsequent six (6) months' time-period, a warning letter will be issued. The letter will advise the relevant employee that should a third violation, incident or accident occur, within the following six (6) calendar months, the employee's employment with the company may be terminated.

An accident or incident caused by an employee's carelessness, recklessness or negligence may be grounds for immediate termination of the relevant employee's employment with the company.

A preventable incident is defined: an occurrence caused by the failure of an individual to do everything reasonably possible to avoid the incident.

Employee's Signature: _____ Date: _____

Supervisors Signature: _____ Date: _____

Yost Gallagher Construction Employee Safety Violation Report

To: _____

Date: _____

From: _____

Incident Details: _____

Means to Prevent Reoccurrence: _____

Remarks: _____

Please renew your safety commitment. Your physical welfare and continued employment depend upon your concern for your safety and that of your coworkers.

Thank you for your cooperation!

Yost Gallagher Construction Progressive Discipline Policy

Any YG employee who is involved in a preventable industrial, property damage and/or safety policy violation will be given a verbal notice of the violation and will be debriefed for the purpose of preventing a future occurrence and be given a opportunity to discuss ways that such a violation can be prevented in the future.

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An accident or incident caused by an employee's carelessness, recklessness or negligence may be grounds for immediate termination of the relevant employee's employment with the company.

A preventable incident is defined: an occurrence caused by the failure of an individual to do everything reasonably possible to avoid the incident.

Employee's Signature: _____ Date: _____

Supervisors Signature: _____ Date: _____

Yost Gallagher Construction Employee Safety Violation Report

To: _____

Date: _____

From: _____

Incident Details: _____

Means to Prevent Reoccurrence: _____

Remarks: _____

Please renew your safety commitment. Your physical welfare and continued employment depend upon your concern for your safety and that of your coworkers.

Thank you for your cooperation!

Yost Gallagher Construction Subcontractor Safety Requirements and Responsibilities

- Comply with safety policies and procedures established by Yost Gallagher Construction, as outlined in our accident prevention program manual.
- Provide employees, especially supervisory personnel, who possess knowledge and an understanding of regulatory agency safety, health and environmental requirements.
- Develop, in a written format, and implement an accident prevention program.
- Develop and implement a hazard communication program and provide an accessible Safety Data Sheet (SOS) file.
- Provide properly trained and certified equipment, tools and vehicle operator(s)... (forklift, powder actuated fastening device, aerial lift, etc.)
- If applicable, develop in a written format, and implement a fall protection work plan or training verification document.
- Develop, in a written format, and implement hazard mitigation plan(s).
- Communicate information concerning safety-related issues to Yost Gallagher Construction supervisory or managerial personnel.
- At weekly time intervals, attend or conduct a job site safety meeting and perform a job site safety inspection. Provide, to the Yost Gallagher Construction site supervisor, documentation, in a written format, concerning those activities.

**Yost Gallagher Construction
Subcontractor Safety Violation**

To: _____

Date: _____

From: _____

The safety violation(s) listed below were noted on _____. Please immediately abate this deficiency or these deficiencies and, if appropriate discuss them with relevant crew member(s).

- _____

- _____

- _____

- _____

- _____

Those item(s) marked with an asterisk (*) must be abated, your corrective action noted on this form and this form returned to _____ by _____.

Date

Thank you for your assistance and cooperation!

Yost Gallagher Construction Subcontractor Safety Violation

To: _____

Date: _____

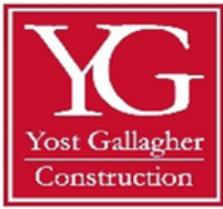
From: _____

The safety violation(s) listed below were noted on _____. Please immediately abate this deficiency or these deficiencies and, if appropriate discuss them with relevant crew member(s).

1. _____
2. _____
3. _____
4. _____
5. _____

Those item(s) marked with an asterisk (*) must be abated, your corrective action noted on this form and this form returned to _____ by _____ Date

Thank you for your assistance and cooperation!



Project Name: _____

Address: _____

**IN CASE OF EMERGENCY
CALL 911**

URGENT CARE

Address: _____

Telephone: _____

HOSPITAL EMERGENCY

Address: _____

Telephone: _____

FIRE DEPARTMENT

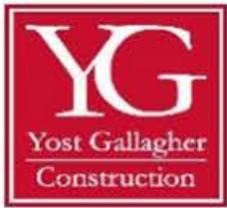
Address: _____

Telephone: _____

POLICE DEPARTMENT

Address: _____

Telephone: _____



Project Name: _____

Address: _____

**IN CASE OF EMERGENCY
CALL 911**

URGENT CARE

Address: _____

Telephone: _____

HOSPITAL EMERGENCY

Address: _____

Telephone: _____

FIRE DEPARTMENT

Address: _____

Telephone: _____

POLICE DEPARTMENT

Address: _____

Telephone: _____

Emergency Preparedness Plan

Fire:

- Determine the location of the fire, the nature or extent of the fire, then:
 - Call 9-1-1
 - Evacuate the area/building, clear a path for fire personnel.
 - Address the fire with fire extinguishers/fire hoses, etc. if safe to do so.
 - Account for all personnel.
 - Address any injuries until paramedics arrive.

Medical:

- **Refer to TAB 18**

Environmental:

- Determine the nature of the emergency and seriousness potential of personal injury
 - Chemical spill small scale, large scale?
 - Train derailment, or other transportation related event
 - Jobsite hazardous chemical release
- Call 9-1-1 if spill could cause personal injury
- Evacuate to safe distance and/or shelter in place until given an all clear.
- Provide for chem specific cleanup if necessary

Weather:

- Stormy weather:
 - Shelter in place if possible or move to a safe location.
 - If predictable, close the jobsite in advance of serious/dangerous storms such as ice storms, extreme snow predictions, etc.
- Fire Season/Smoke: **Refer to Tab 31**
- Use common sense and/or call the office for clarification.

Civil Unrest:

- While unlikely in most places, the best plan is secure doors, windows, fences, if possible.
- Shelter in a place away from the violence, don't be a bystander.
- Monitor the radio or other news to see if the actions have deescalated.
- Secure the property, if possible, and leave for home when police have cleared the area.

Fire Protection and Prevention

- * Daily housekeeping.
- * Properly dispose of combustible and flammable materials.
 - * Metal containers required for accumulations.
- * Properly store combustible and flammable materials.
 - * Approved containers and tanks for storage and handling flammable and combustible liquids. (one (1) gallon or more)
 - * Containers and tanks legibly marked to indicate contents.
 - * No more than twenty-five (25) gallons of flammable or combustible liquid stored in a room, unless they are stored in an approved storage cabinet(s).
 - * Outside storage of flammable or combustible liquid shall not exceed 1,100 gallons in any one pile or area.
- * All fires and open flames must be attended.
- * Adequate fire suppression equipment.
 - * Properly maintained.
 - * Conspicuously marked.
 - * Periodically inspected.
 - * Fire suppression equipment must be available within 100 feet travel distance; 50 feet in areas where flammable or combustible liquid is stored.
 - * Fire extinguisher available for each 3,000 feet of building area.

Fire Protection and Prevention

- * Temporary heating devices operated and maintained according to the manufacturer's specifications and Instructions.
 - * Proper clearance from combustible materials.
 - * Adequate ventilation.
 - * Proper fuel.
 - * Safety switch(s).
 - * Follow ignition instructions.
- * Establish "No Smoking" and "No Open Flame" areas.
- * Establish "Smoking Permitted" areas.
- * Electrical wiring and equipment maintained in safe condition.
- * Engine exhaust routed away from combustibles.
- * Sufficient fire lanes established to allow rapid access for fire control apparatus into the storage or work areas.

Yost Gallagher Construction

Job Hazard Analysis

Project: _____ Preparation date: _____

Phase/Operation: General structural construction and related activities.

Hazard:

Method of Prevention:

01. Personnel exposure to an elevated work zone fall hazard.

01a. Access to an elevated work location will be provided by the utilization of:

- Step-type ladder
- Extension-type ladder
- Scissor-type aerial lift
- Boom-supported aerial lift
- Forklift-supported work platform
- Supported scaffolding.
- Ladder jack scaffolding
- Pump jack scaffolding
- _____

b. Fall hazard protection will be provided by the utilization of one or more of the following:

- Guardrail system
- Properly anchored harness and lanyard
- Leading edge control zone
- Warning line system
- Safety monitor system
- Catch platform.
- Structural parapet

c. A fall protection work plan has been composed, reviewed with relevant personnel, and is available at the job site.

d. Recommendations and mandates relative this hazard are enumerated in the Accident Prevention Program sections which are entitled: "Fall Restraint and Arrest"; "Portable Ladder"; "Supported Scaffolding"; "Aerial Lift" and Forklift-Supported Personnel Lift Platform".

02. Personnel exposure to a slip/fall hazard:

02a. Continuous job site housekeeping activities will be performed.

b. Tools, materials, supplies and equipment will be properly stored.

c. When necessary, a safety zone will be established and properly maintained.

<u>Hazard:</u>	<u>Methods of Prevention</u>
02. Personnel exposure to a slip/fall hazard: (continued)	d. Adequate and appropriate illumination will be provided and properly maintained. During employee orientation and at weekly safety meeting presentations, employee training concerning this issue will be provided.
03. Personnel exposure to a head injury:	03a. When exposed to flying, falling, penetration, impact or electrical hazard, personnel will utilize a hardhat. b. Personnel will exercise caution in a "limited headroom" work zone. c. Personnel training and supervisory monitoring will be provided. d. Recommendations and mandates concerning this hazard are enumerated in the Accident Prevention Program section which is entitled "Personal Protective Equipment".
04. Personnel exposure to an eye or face injury:	04a. If indicated, personnel will utilize safety-rated eye wear. b. If indicated, personnel will utilize a protective face shield. c. During employee orientation and at weekly safety meeting presentations, personnel will be provided with training relative to the proper use and maintenance of face and eye protective devices. d. Recommendations and mandates concerning this hazard are enumerated in the Accident Prevention Program section which is entitled "Personal Protective Equipment".
05. Personnel exposure to excessive noise:	05a. When personnel are exposed to a hazardous noise level (85 dBA), employees are selected, and suitable hearing protective devices will be used. b. Construction tools, vehicles and equipment will be equipped with a suitable engine exhaust muffler. c. Employee training and supervisory monitoring will be provided.
06. Personnel exposure to a foot injury:	06a. Personnel will wear substantial and appropriate footwear. b. Employee training and supervisory monitoring will be provided.
07. Personnel exposure to a hand injury:	07a. When required, appropriate gloves will be used. b. During employee orientation and at weekly safety meeting presentations, personnel will be provided with training relative the proper use,

<u>Hazard:</u>	<u>Methods of Prevention</u>
07. Personnel exposure to a hand injury: (continued)	applicability and maintenance of gloves and related protective equipment. c. Recommendations and mandates relative to this hazard are enumerated in the Accident Prevention Program section which is entitled "Personal Protective Equipment".
08. Personnel exposure to a back injury:	08a. Employees will be provided with training concerning proper lifting techniques and back injury prevention concepts. b. When possible, a mechanical lifting device will be utilized. c. When physically lifting a heavy or bulky item, personnel will request assistance.
09. Personnel exposure to an electrical energy hazard:	09a. Electrically powered tools and equipment will be properly maintained, inspected prior to each utilization and operated by qualified personnel. b. Electrically powered tools will be double insulated and inspected prior to each utilization. c. Flexible electrical extension cords will be properly maintained and inspected prior to use utilization. d. Temporary electrical power distribution systems will be equipped with Ground Fault Circuit Interrupters (GFCI). e. If required, proper lock-out/tag-out procedures will be instituted. f. Recommendations and mandates relative to this hazard are enumerated in the Accident Prevention Program section which is entitled "Lock-out Procedures".
10. Personnel exposure to a hazardous substance exposure:	10a. Safety Data Sheets (SDS) will be available for all hazardous chemicals which are located at this job site. b. During an employee orientation session and at weekly safety meeting presentations, training concerning this issue will be provided. c. In order to prevent or minimize an employee's hazardous substance exposure, appropriate Personal Protective Equipment (PPE) will be provided to and utilized by relevant employees. d. Recommendations and mandates relative to this issue are enumerated in the Accident Prevention Program manual sections which are entitled "Hazard Communication Program", "Respiratory Protection" and "Personal Protective Equipment".

<u>Hazard:</u>	<u>Methods of Prevention</u>
11. Personnel exposure to an atmospheric condition hazard:	<ul style="list-style-type: none">11a. Employees will wear appropriate clothing.b. A sufficient potable water supply will be available.c. Supervisory personnel will monitor conditions and provide indicated accommodation.d. Personnel, including supervisory, training will be provided.e. Recommendations and mandates relative this issue is enumerated in the Accident Prevention Program sections which are entitled "Personal Protective Equipment" and "Heat- related Stress/Illness Prevention Program".
12. Personnel exposure to a fire hazard:	<ul style="list-style-type: none">12a. Construction debris accumulation will be eliminated by the performance, at timely intervals, of housekeeping activities.b. An adequate supply of fire suppression equipment will be available, properly stationed, in conspicuous location(s), suitably maintained and inspected annually and at 30 days intervals.c. Flammable and combustible material will be properly stored and labeled to indicate content.d. Temporary heating devices will be operated pursuant to recommendations and mandates promulgated by the apparatus manufacturer and applicable regulatory agency safety standard(s).e. Recommendations and mandates related to this issue are enumerated in the Accident Prevention Program section which is entitled "Fire Protection and Prevention".
13. Personnel exposure to construction tool or equipment hazard:	<ul style="list-style-type: none">13a. Apparatus will be operated by properly trained and qualified personnel, pursuant recommendations and mandates promulgated by the manufacturer and applicable regulatory agency safety standard(s).b. Apparatus will be properly maintained and inspected prior to each utilization.c. Entanglement and point-of-operation guards will be installed and continuously maintained.d. Personnel will utilize suitable Personal Protective Equipment (PPE)e. Recommendations and mandates relative this issue is enumerated in the Accident Prevention Program sections which are entitled "Construction Saws, Tools and Equipment" "Cranes and Rigging", "Portable Ladder, Scaffolding and Aerial Lift", "Welding and Cutting" and "Personal Protective Equipment".

Hazard:

Methods of Prevention

14. Personnel exposure to a vehicular or construction equipment traffic hazard:

- 14a. Personnel will utilize a highly visible garment and exercise extreme caution.
- b. When indicated and in order to provide hazard warning and restrict unauthorized personnel access, suitable barricades and warning/informational signs will be properly stationed and maintained.
- c. A personnel training session concerning this issue, will be conducted.
- d. In order to ensure compliance, supervisory personnel will continuously monitor work activities and conditions.

15. Exposure of other craft personnel and the general public to construction activities:

- 15a. When a condition warrants, safety zone(s), including barricades and appropriate warning/informational signs, will be established and properly maintained.
- b. Communication concerning Yost Gallagher Construction work activities will be conveyed to pertinent personnel.

Yost Gallagher Construction

Job Hazard Analysis

Project: _____

Preparation date: _____

Phase/Operation: Selective structural demolition and related activities.

Hazard:

Method of Prevention:

01. Personnel exposure to an elevated work zone fall hazard.

01a. Access to an elevated work location will be provided by the utilization of:

- Step-type ladder
- Extension-type ladder
- Scissor-type aerial lift
- Boom-supported aerial lift
- Forklift-supported work platform
- Supported scaffolding.
- _____
- _____
- _____

b. Fall hazard protection will be provided by the utilization of one or more of the following:

- Guardrail system
- Properly anchored harness and lanyard
- Leading edge control zone
- Warning line system
- Safety monitor system
- Catch platform.
- Structural parapet

c. A fall protection work plan has been composed, reviewed with relevant personnel, and is available at the job site.

d. Recommendations and mandates relative this hazard is enumerated in the Accident Prevention Program sections which are entitled: "Fall Restraint and Arrest"; "Portable Ladder"; "Supported Scaffolding"; "Aerial Lift" and Forklift-Supported Personnel Lift Platform".

02. Personnel exposure to a slip/fall hazard:

02a. Continuous job site housekeeping activities will be performed.

b. Tools, materials, supplies and equipment will be properly stored.

c. When indicated, safety zones will be established and properly maintained.

Hazard:	Methods of Prevention
02. Personnel exposure to a slip/fall hazard: (continued)	d. Adequate and appropriate illumination will be provided and properly maintained. During employee orientation and at weekly safety meeting presentations, employee training concerning this issue, will be provided.
03. Personnel exposure to a structural demolition hazard:	03a. A "Structural Demolition Plan" document has been prepared and is available at the construction site. b. When exposed to a hazard associated with structural demolition work activities, personnel will utilize appropriate Personal Protective Equipment (PPE). Personnel will utilize a hardhat. Personnel will utilize protective eye and face devices. Personnel will utilize suitable protective gloves. When required or indicated, personnel will utilize a respiratory protective device. c. Personnel will exercise extreme caution in order to prevent inadvertent structural component collapse or displacement. d. In order to prevent unauthorized demolition and debris storage area access, safety zone(s) will be established and properly maintained.
04. Personnel exposure to a head injury:	04a. When exposed to flying, falling, penetration, impact or electrical hazard, personnel will utilize a hardhat. b. Personnel will exercise caution in a "limited headroom" work zone. c. Personnel training and supervisory monitoring will be provided. d. Recommendations and mandates concerning this hazard are enumerated in the Accident Prevention Program section which is entitled "Personal Protective Equipment".
05. Personnel exposure to an eye or face injury:	05a. If indicated, personnel will utilize safety-rated eye wear. b. If indicated, personnel will utilize a protective face shield. c. During employee orientation and at weekly safety meeting presentations, personnel will be provided with training relative to the proper use and maintenance of face and eye protective devices. d. Recommendations and mandates concerning this hazard are enumerated in the Accident.

Hazard:	Methods of Prevention
05. Personnel exposure to an eye or face injury: (continued)	Prevention Program section which is entitled "Personal Protective Equipment".
06. Personnel exposure to excessive noise:	06a. When personnel are exposed to a hazardous noise level (85 dBA), employees are selected, and suitable hearing protective devices will be used. b. Construction tools, vehicles and equipment will be equipped with a suitable engine exhaust muffler. c. Employee training and supervisory monitoring will be provided.
07. Personnel exposure to a foot injury:	07a. Personnel will wear substantial and appropriate footwear. b. Employee training and supervisory monitoring will be provided.
08. Personnel exposure to a hand injury:	08a. When required, appropriate gloves will be used. b. During employee orientation and at weekly safety meeting presentations, personnel will be provided training concerning the applicability, restrictions and maintenance of gloves and related protective equipment. c. Recommendations and mandates relative to this hazard are enumerated in the Accident Prevention Program section which is entitled "Personal Protective Equipment".
09. Personnel exposure to a back injury:	09a. Employees will be provided with training concerning proper lifting techniques and back injury prevention concepts. b. When possible, a mechanical lifting device will be utilized. c. When physically lifting a heavy or bulky item, personnel will request assistance.
10. Personnel exposure to an electrical energy hazard:	10a. Electrically powered tools and equipment will be properly maintained, inspected prior to each utilization and operated by qualified personnel. b. Electrically powered tools will be double insulated and inspected prior to each utilization. c. Flexible electrical extension cords will be properly maintained and inspected prior to use utilization. d. Temporary electrical power distribution systems will be equipped with Ground Fault Circuit Interrupters (GFCI). e. If required, proper lockout/tag-out procedures will be instituted. f. Recommendations and mandates relative this hazard is enumerated in the Accident

Hazard:	Methods of Prevention
10. Personnel exposure to an electrical energy hazard: (continued)	Prevention Program section which is entitled "Lockout Procedures".
11. Personnel exposure to a hazardous substance exposure:	11a. A Safety Data Sheet (SDS) will be available for all "in use" hazardous chemicals located at this job site. b. During an employee orientation session and at weekly safety meeting presentations, training concerning this issue will be provided. c. In order to prevent or minimize an employee's hazardous substance exposure, appropriate Personal Protective Equipment (PPE) will be provided to and utilized by relevant employees. d. Recommendations and mandates relative this issues are enumerated in the Accident Prevention Program manual sections which are entitled "Hazard Communication Program", "Respiratory Protection " and "Personal Protective Equipment".
12. Personnel exposure to an atmospheric condition hazard:	12a. Employees will wear appropriate clothing. b. A sufficient potable water supply will be available. c. Supervisory personnel will monitor conditions and provide indicated accommodation. d. Personnel, including supervisory, training will be provided. e. Recommendations and mandates relative this issue is enumerated in the Accident Prevention Program sections which are entitled "Personal Protective Equipment" and "Heat- related Stress/Illness Prevention Program".
13. Personnel exposure to a fire hazard:	13a. Accumulation of construction or demolition debris will be eliminated by the performance, at timely intervals, of housekeeping activities. b. An adequate supply of fire suppression equipment will be available, properly stationed, in conspicuous location(s), suitably maintained and inspected annually and at 30 days intervals. c. Flammable and combustible material will be properly stored and labeled to indicate content. d. Recommendations and mandates related to this issue are enumerated in the Accident Prevention Program section which is entitled "Fire Protection and Prevention".

Hazard:	Methods of Prevention
14. Personnel exposure to construction tool or equipment hazard:	14a. Apparatus will be operated by properly trained and qualified personnel, pursuant recommendations and mandates promulgated by the manufacturer and applicable regulatory agency safety standard(s). b. Apparatus will be properly maintained and inspected prior to each utilization. c. Entanglement and point-of-operation guards will be installed and continuously maintained. d. Personnel will utilize suitable Personal Protective Equipment (PPE) e. Recommendations and mandates relative this issue are enumerated in the Accident Prevention Program sections which are entitled "Construction Saws, Tools and Equipment", "Cranes and Rigging", "Portable Ladder, Scaffolding and Aerial Lift", "Welding and Cutting" and "Personal Protective Equipment".
15. Personnel exposure to a vehicular and construction equipment traffic hazard:	15a. When exposed to vehicular or construction equipment traffic hazard, personnel will utilize a highly visible garment and exercise extreme caution. b. When indicated and in order to provide hazard warning and restrict unauthorized personnel access, suitable barricades and warning/informational signs will be properly stationed and maintained. c. Personnel training session concerning this issue, will be conducted.
16. Exposure of other craft personnel and the general public to demolition and construction activities:	16a. When a condition warrants, safety zone(s), including barricades and appropriate warning/informational sign(s), will be displayed and properly maintained. b. Communication concerning Yost Gallagher Construction work activities will be conveyed to pertinent personnel.

Yost Gallagher Construction

Job Hazard Analysis

Project: _____ Preparation Date: _____

Phase/Operation: Confined space entry and related activities.

Hazard	Method of Prevention
01. Personnel exposure to a confined space entry hazard:	01. <ul style="list-style-type: none">a. Prior to the commencement of each relevant work period, a "Confined Space Evaluation Report-Alternative Procedure" document will be prepared and reviewed with pertinent personnel.b. Cancellation of that document will occur at the end of each work period.c. Only properly trained and authorized personnel will enter, monitor or supervisor work activities.d. Prior to personnel entry, a properly calibrated atmospherical analysis/monitoring instrument will be utilized to evaluate the space's interior atmospherical condition.e. In order to prevent a potential fall hazard exposure, a guardrail will be installed around the access opening perimeter, or a monitor will be stationed at each relevant location.f. Access will be provided by a suitable ladder.g. Suitable interior illumination will be provided.h. Adequate interior area ventilation will be provided.i. If confronted with an emergency situation, personnel will immediately advise the relevant emergency rescue unit and attempt an entrant rescue, from an exterior location, only if the highest level of personnel safety is maintained.j. Properly trained and equipped personnel will exclusively provide emergency rescue services.k. Prior to a confined space entry, rescue personnel will survey the area and prepare for a potential rescue

Hazard:

Method of Prevention:

- | | |
|---|---|
| 02. Personnel exposure to an over-head hazard: | 02. <ul style="list-style-type: none">a. When exposed to a falling, flying, impact penetration or electrical hazard, personnel will utilize a hardhat.b. Personnel will utilize a suitable tool belt or container.c. When indicated, elevated work surfaces will be equipped with toe boards or an acceptable substitute.d. If indicated, a safety zone, including appropriate warning/informational signs and barricades, will be established, and properly maintained.e. If necessary, Yost Gallagher Construction personnel will provide warning, to other personnel, concerning an overhead hazard. |
| 03. Personnel exposure to a slip/fall hazard: | 03. <ul style="list-style-type: none">a. Continuous job site housekeeping activities will be performed.b. Tools, materials, supplies and equipment will be properly stored.c. When necessary, safety zones will be established and properly maintained.d. During employee orientation and weekly safety meeting presentations, employee training, concerning this issue, will be provided. |
| 04. Personnel exposure to an eye or face injury: | 04. <ul style="list-style-type: none">a. Personnel will utilize safety-rated eye wear.b. If indicated, personnel will utilize a protective face shieldc. During employee orientation and at weekly safety meeting presentations, personnel will be provided with training relative the proper use and maintenance of face and eye protective devices.d. Recommendations and mandates concerning this hazard are enumerated in the Accident Prevention Program section which is entitled "Personal Protective Equipment". |
| 05. Personnel exposure to an excessive noise level: | 05. <ul style="list-style-type: none">a. When personnel are exposed to a hazardous noise level (85 dBA), personnel selected hearing protective devices will be used.b. Construction tools, vehicles and equipment will be equipped with a suitable engine exhaust muffler. |

Hazard	Methods of Prevention:
05. Personnel exposure to an excessive noise: (continued)	c. Employee training and supervisory monitoring will be provided.
06. Personnel exposure to a foot injury:	06. a. Employees will wear substantial and appropriate footwear. b. Employee training and supervisory monitor will be provided.
07. Personnel exposure to a hand injury:	07. a. When required, appropriate gloves will be used. b. During employee orientation and at weekly safety meeting presentations, personnel will be provided with training relative the proper use, applicability and maintenance of gloves and related equipment. c. Recommendations and mandates relative to this hazard are enumerated in the Accident Prevention Program section which is entitled "Personal Protective Equipment".
08. Personnel exposure to a back injury:	08. a. Employees will be provided with training concerning proper lifting techniques and back injury prevention. b. When possible, a mechanical lifting device will be utilized. c. When physically lifting a heavy or bulky item, personnel will request assistance.
09. Personnel exposure to an electrical energy hazard:	09. a. Electrical construction activities will be performed by properly trained and qualified personnel pursuant mandates and recommendations promulgated by the National Electrical Code and relevant regulatory agency standard(s). b. Personnel will utilize appropriate Personal Protective Equipment (PPE). c. Electrically powered tools and equipment will be properly maintained, inspected prior to each utilization, and operated by qualified personnel. d. Electrically powered equipment and tools will be double insulated and, at quarterly intervals, will be tested in order to insure a proper electrical ground. e. Flexible electrical extension cords will be properly maintained and inspected prior to use utilization. f. Temporary electrical power distribution systems will be equipped with Ground Fault Circuit Interrupters (GFCI).

Hazard:	Method of Prevention:
09. Personal exposure to an electrical energy hazard: (continued)	g. If required, proper lock-out/tag-out procedures will be instituted. h. Recommendations and mandates relative to this hazard is enumerated in the Accident Prevention Program section which is entitled "Lock-out Procedures".
10. Personnel exposure to a chemical hazard:	10. a. Safety Data Sheets (SOS) will be available for all "in use" hazardous chemicals which are located at this job site. b. During an employee orientation session, training concerning this issue will be provided. c. In order to prevent or minimize an employee's hazardous substance exposure, appropriate personal protective equipment will be provided to and utilized by relevant employee(s). d. Recommendations and mandates relative this issue are enumerated in the Accident Prevention Program manual sections which are entitled "Hazard Communication Program", "Respiratory Protection " and "Personal Protective Equipment.
11. Personnel exposure to an atmospherical condition hazard:	11. a. Employees will wear appropriate clothing. b. A sufficient potable water supply will be available. c. Supervisory personnel will monitor conditions and provide indicated accommodation. d. Personnel, including supervisory, training will be provided. e. Recommendations and mandates relative to this issue are enumerated in the Accident Prevention Program sections which are entitled "Personal Protective Equipment" and "Heat- related Stress/Illness Prevention Program".
12. Personnel exposure to a fire hazard:	12. a. Construction debris accumulation will be eliminated by the performance of, at timely intervals, housekeeping activities. b. An adequate supply of fire suppression equipment will be available, properly stationed, in conspicuous location(s), suitably maintained and inspected annually and at 30 days intervals. c. Flammable and combustible material will be properly stored and labeled to indicate content. d. Recommendations and mandates relative to this issue are enumerated in the Accident Prevention Program section which is entitled "Fire Protection and Prevention".

Hazard	Method of Prevention
13. Personnel exposure to a construction tool or equipment hazard:	13. <ol style="list-style-type: none">Apparatus will be operated by properly trained and qualified personnel, pursuant recommendations and mandates promulgated by the manufacturer, applicable regulatory agency safety standard(s) and Yost Gallagher Construction safety policy.Apparatus will be properly maintained and inspected prior to each utilization.Entanglement and point-of-operation guards will be installed and continuously maintained.Personnel will utilize suitable Personal Protective Equipment.Recommendations and mandates relative to this issue are enumerated in the Accident Prevention Program sections which are entitled "Construction Saws, Tools and Equipment", "Cranes and Rigging", "Portable Ladder, Scaffolding and Aerial Lift", "Welding and Cutting" and "Personal Protective Equipment".
14. Personnel exposure to a vehicular and construction equipment traffic hazard:	14. <ol style="list-style-type: none">When exposed to vehicular or construction equipment traffic hazard, personnel will utilize a highly visible garment and exercise extreme caution.When indicated to provide hazard warning and restrict unauthorized personnel access, suitable barricades and warning/ informational signs will be properly stationed and maintained.A personnel training session, concerning this issue, will be conducted.
15. Exposure of other craft personnel and the public to construction activities:	15. <ol style="list-style-type: none">When a condition warrants, safety zone(s), including barricades and appropriate warning/informational signs, will be established, and properly maintained.Communication concerning Yost Gallagher Construction work activities will be provided to pertinent personnel.

Yost Gallagher Construction

Job Hazard Analysis

Project: _____

Preparation date: _____

Phase/Operation: Earthen excavation, underground utility installations and related activities.

Hazard:

Method of Prevention:

01. Personnel exposure to an excavation or trench hazard:

- 01a. Excavation equipment will be operated by properly trained and qualified personnel.
- b. Excavation equipment will be properly maintained, pursuant recommendations and mandates promulgated by the manufacturer and applicable regulatory agency safety standard(s).
- c. Prior to each utilization, excavation equipment will be inspected.
- d. During the performance of a backing maneuver, an equipment operator will exercise extreme caution and if the operator's rear vision is compromised, the equipment will be equipped with an operable and audible back-up alarm.
- e. Prior to the commencement of work activities, a comprehensive work zone survey, including an evaluation of ground-level, underground and overhead conditions, will be conducted.
- f. When an excavation/trench depth is four (4) or more feet, suitable cave-in hazard protection will be provided pursuant applicable regulatory agency standard(s).
- g. When a excavation/trench depth is four (4) or more feet, suitable access (ladder, earthen ramp, etc.) will be provided at twenty-five (25) feet horizontal intervals.
- h. Excavated earthen material (spoils) will be placed and temporarily stored at a minimum two (2) feet distance away from an excavation or trench embankment.
- i. If indicated, suitable barricades and warning/informational sign(s) will be stationed and properly maintained around an open excavation or trench.
- j. Recommendations and mandates relative this hazard are enumerated in the accident prevention program sections which are entitled "Excavation, Trenching and Shoring" "Personal Protective Equipment and "Confined Spaces".

Hazard:	Methods of Prevention
02. Personnel exposure to a slip/fall hazard:	<ul style="list-style-type: none">02a. Continuous job site housekeeping activities will be performed.b. Tools, materials, supplies and equipment will be properly stored.c. When necessary, safety zones will be established and properly maintained.d. During employee orientation and at weekly safety meeting presentations, employee training, concerning this issue, will be provided.
03. Personnel exposure to an eye or face injury:	<ul style="list-style-type: none">03a. If indicated, personnel will utilize safety-rated eye wear.b. If indicated, personnel will utilize a protective face shield.c. During employee orientation and at weekly safety meeting presentations, personnel will be provided with training relative the proper use and maintenance of face and eye protective devices.d. Recommendations and mandates concerning this hazard are enumerated in the Accident Prevention Program section which is entitled "Personal Protective Equipment".
04. Personnel exposure to excessive noise:	<ul style="list-style-type: none">04a. When personnel are exposed to a hazardous noise lever (85 dBA), employees selected and suitable hearing protective devices will be used.b. Construction tools, vehicles and equipment will be equipped with a suitable engine exhaust muffler.c. Employee training and supervisory monitoring will be provided.
05. Personnel exposure to a foot injury:	<ul style="list-style-type: none">05a. Employees will wear substantial and appropriate footwear.b. Employee training and supervisory monitor will be provided.
06. Personnel exposure to a hand injury:	<ul style="list-style-type: none">06a. When required, appropriate gloves will be used.b. During employee orientation and at weekly safety meeting presentations, personnel will be provided with training relative the proper use, applicability and maintenance of gloves and related equipment.c. Recommendations and mandates relative to this hazard are enumerated in the Accident Prevention Program section which is entitled "Personal Protective Equipment".

Hazard	Methods of Prevention
07. Personnel exposure to a back injury:	07a. Employees will be provided with training concerning proper lifting techniques and back injury prevention concepts. b. When possible, a mechanical lifting device will be utilized. c. When physically lifting a heavy or bulky item, personnel will request assistance.
08. Personnel exposure to an electrical energy hazard:	08a. Electrically powered tools and equipment will be properly maintained, inspected prior to each utilization and operated by qualified personnel. b. Electrically powered tools will be double insulated and inspected prior to each utilization. c. Flexible electrical extension cords will be properly maintained and inspected prior to use utilization. d. Temporary electrical power distribution systems will be equipped with Ground Fault Circuit Interrupters (GFCI). e. If required, proper lock-out/tag-out procedures will be instituted. f. Recommendations and mandates relative to this hazard are enumerated in the Accident Prevention Program section which is entitled "Lock-out Procedures".
09. Personnel exposure to a hazardous substance exposure:	09a. Safety Data Sheets (SOS) will be available for all hazardous chemicals located at this job site. b. During employee orientation sessions and at weekly safety meeting presentations, training concerning this issue will be provided. c. In order to prevent or minimize an employee's hazardous substance exposure, appropriate personal protective equipment will be provided to and utilized by relevant employees. d. Recommendations and mandates relative to this issue are enumerated in the Accident Prevention Program manual sections which are entitled "Hazard Communication Program", "Respiratory Protection" and "Personal Protective Equipment".
10. Personnel exposure to an atmospheric condition hazard:	10a. Employees will wear appropriate clothing. b. A sufficient potable water supply will be available. c. Supervisory personnel will monitor conditions and provide indicated accommodation.

Hazard:	Methods of Prevention
10. Personnel exposure to an atmospheric condition hazard: (continued)	d. Personnel, including supervisory, training will be provided. e. Recommendations and mandates relative this issue is enumerated in the Accident Prevention Program sections which are entitled "Personal Protective Equipment" and "Heat- related Stress/Illness Prevention Program."
11. Personnel exposure to a fire hazard:	11a. Construction debris accumulation will be eliminated by the performance, at timely intervals, of housekeeping activities. b. An adequate supply of fire suppression equipment will be available, properly stationed, in conspicuous location(s), suitably maintained and inspected annually and at 30 days intervals. c. Flammable and combustible material will be properly stored and labeled to indicate content. d. Recommendations and mandates related to this issue are enumerated in the Accident Prevention Program section which is entitled "Fire Protection and Prevention".
12. Personnel exposure to construction tool or equipment hazard:	12a. Apparatus will be operated by properly trained and qualified personnel, pursuant recommendations and mandates promulgated by the manufacturer and applicable regulatory agency safety standard(s). b. Apparatus will be properly maintained and inspected prior to each utilization. c. Entanglement and point-of-operation guards will be installed and continuously maintained. d. Personnel will utilize suitable Personal Protective Equipment (PPE). e. Recommendations and mandates relative this issue is enumerated in the Accident Prevention Program sections which are entitled "Construction Saws, Tools and Equipment" "Cranes and Rigging", "Portable Ladder, Scaffolding and Aerial Lift", "Welding and Cutting" and "Personal Protective Equipment".
13. Personnel exposure to a vehicular or construction equipment traffic hazard:	13a. Personnel will utilize a highly visible garment and exercise extreme caution. b. Suitable barricades and warning/informational sign(s) will be properly stationed and maintained in order to provide hazard warnings and restrict unauthorized personnel access.

Hazard:	Methods of Prevention
13. Personnel exposure to a vehicular or construction equipment traffic hazard: (continued)	c. A personnel safety training session will be conducted concerning this issue. d. In order to ensure compliance, supervisory personnel will continuously monitor work activities and conditions.
14. Exposure of other craft personnel and the general public to construction activities:	14a. When a condition warrants, safety zone(s), including barricades and appropriate warning/informational signs, will be established and properly maintained. b. Communication concerning Yost Gallagher Construction work activities will be conveyed to pertinent personnel.

SAMPLE

Yost Gallagher Construction

Job Hazard Analysis

Project _____ Preparation Date _____

Hazard:

Method of Prevention:

1) _____

a. _____

b. _____

c. _____

d. _____

2) _____

a. _____

b. _____

c. _____

d. _____

SAMPLE

Yost Gallagher Construction

Job Hazard Analysis

Hazard:

Method of Prevention:

3) _____

a. _____

b. _____

c. _____

d. _____

4) _____

a. _____

b. _____

c. _____

d. _____

SAMPLE

Yost Gallagher Construction

Job Hazard Analysis

Project _____ Preparation Date _____

Hazard:

Method of Prevention:

1) _____

a. _____

b. _____

c. _____

d. _____

2) _____

a. _____

b. _____

c. _____

d. _____

Yost Gallagher Construction

Job Hazard Analysis

Hazard:

Method of Prevention:

3) _____

a. _____

b. _____

c. _____

d. _____

4) _____

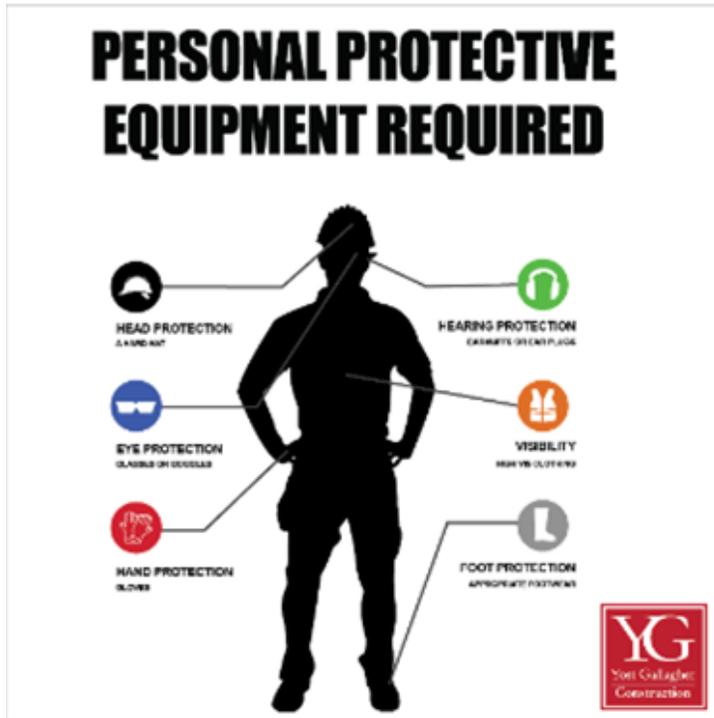
a. _____

b. _____

c. _____

d. _____

REQUIRED SAFETY SIGNAGE



Please contact the office if you need a set of signs or need additional signage.

Yost Gallagher Construction

Weekly Job Site Inspection Form

Project: _____

Name: _____

Date: _____

SUPERVISOR'S JOB SITE DOCUMENTATION

Yes	No	N/A
-----	----	-----

- | | | | |
|---|--------------------------|--------------------------|--------------------------|
| 1. Accident Prevention Program Manual: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fall Prevention Work Plan Prepared and Reviewed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Employee/Sub-Contractor(s) Safety Orientation Conducted | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Equipment Operator Training Provided and Documented | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Job Hazard Analysis Documents Composed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Supervisory Personnel First-aid Training Provided and Documented | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Emergency Telephone Numbers Displayed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Medical Facility Locations Determined and Displayed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. "Good Faith" Asbestos Survey Availability | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. "Good Faith" Lead Survey Availability | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Hazard Communication Program: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Product Inventory | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Safety Data Sheets | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Portable Container(s) Properly Labeled | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Regulatory Agency Standards Manual Availability: | | | |
| Washington Department of Labor and Industries | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Occupational Safety & Health Administration | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Safety/Employment Poster Displayed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. OSHA 300 Log Displayed (one year job duration) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Storm Water Management Plan Established and Implemented | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

JOB SITE SAFETY INSPECTION

Yes	No	N/A
-----	----	-----

1. SAFETY & SECURITY

Fire Extinguishers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Up to Date Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Aid Kits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Adequate Drinking Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Adequate Sanitary Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Employee and Public Warning Signs/Barricades	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PERSONAL PROTECTION EQUIPMENT

Hardhats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety Glasses/Face shield/Goggles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hearing Protective Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Respirator Protective Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suitable Footwear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suitable Clothing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High Visibility Garments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. POWER & HAND TOOLS

Properly Maintained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cord Condition Adequate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Properly Grounded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Properly Guarded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. POWDER ACTUATED FASTENING DEVICES

Qualified and Certified Operator(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Properly Secured, When Not in Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. ELECTRICAL EQUIPMENT

Properly Inspected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GFCI Protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Properly Routed/Guarded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. INTERIOR ILLUMINATION

Task Area (10 Candle Power)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-Task Area (3 Candle Power)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

JOB SITE SAFETY INSPECTION

Yes	No	N/A
-----	----	-----

6. FALL PROTECTIONWritten Work Plan Composed Yes No N/AEmployee Training Yes No N/AHarnesses and Lanyards in Good Condition Yes No N/ASuitable Anchoring System Installed Yes No N/AComponents Properly Installed/Maintained Yes No N/AWarning Line Properly Erected and Maintained Yes No N/A

Safety Monitoring System

Qualified Individual(s) Yes No N/ANumber of Employees Being Monitored Yes No N/A

Scaffolding

Properly Erected Yes No N/AComponent Condition Yes No N/AEquipped with Toeboards Yes No N/AEquipped With Access Ladders Yes No N/AFully Planked/ Decked Work Platform Yes No N/A

Ladders

Adequate Condition Yes No N/AProperly Extended and Secured Yes No N/AProperly Utilized Yes No N/A

Aerial Lifts

Adequate Condition Yes No N/AQualified and Certified Operators Yes No N/AProper Battery Charging Procedures Yes No N/AFloor/Roof/Wall Openings Properly Guarded Yes No N/AOffice/Storage Trailer Access Provided Yes No N/A**7. EXCAVATION, TRENCHING & SHORING**Appropriate Protection Provided Yes No N/AEmployee Training Provided Yes No N/ASafe Access Provided Yes No N/A**8. CONFINED SPACE**Space Evaluated Yes No N/AEntry Plan Prepared Yes No N/A

JOB SITE SAFETY INSPECTION

Yes	No	N/A
-----	----	-----

9. HEAVY EQUIPMENT

Forklift	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boom Truck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Backhoe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Skid-Steer Loader	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wheeled Loader	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Air Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Qualified Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Properly Inspected and Maintained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Entanglement Area Properly Guarded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equipped with Safety Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Back Up Alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire Extinguisher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. WELDING & CUTTING

Adequate Equipment Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cylinders Secured and Separated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flammable and Combustible Protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Personal Protective Equipment Provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire Suppression Equipment Available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrical Welder Properly Guarded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hot Work Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. FLAMMABLE & COMBUSTIBLE STORAGE

Containers Properly Labeled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate Containers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire Suppression Equipment Provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. HOUSEKEEPING**13. MATERIAL & SUPPLIES PROPERLY STORED**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------

Yost Gallagher Construction

Weekly Job Site Inspection Form

Project: _____

Name: _____

Date: _____

SUPERVISOR'S JOB SITE DOCUMENTATION

Yes	No	N/A
-----	----	-----

- | | | | |
|--|--------------------------|--------------------------|--------------------------|
| 1. Accident Prevention Program Manual: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fall Prevention Work Plan Prepared and Reviewed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Employee/Sub-Contractor(s) Safety Orientation Conducted | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Equipment Operator Training Provided and Documented | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Job Hazard Analysis Documents Composed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Supervisory Personnel First-aid Training Provided and Documented | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Emergency Telephone Numbers Displayed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Medical Facility Locations Determined and Displayed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. "Good Faith" Asbestos Survey Availability | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. "Good Faith" Lead Survey Availability | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Hazard Communication Program: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Product Inventory | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Safety Data Sheets | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Portable Container(s) Properly Labeled | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Regulatory Agency Standards Manual Availability: | | | |
| Washington Department of Labor and Industries | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Occupational Safety & Health Administration | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Safety/Employment Poster Displayed | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. OSHA 300 Log Displayed (one year job duration) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Storm Water Management Plan Established and Implemented | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

JOB SITE SAFETY INSPECTION

Yes	No	N/A
-----	----	-----

1. SAFETY & SECURITY

Fire Extinguishers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Up to Date Inspection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
First Aid Kits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Adequate Drinking Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Adequate Sanitary Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Employee and Public Warning Signs/Barricades	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PERSONAL PROTECTION EQUIPMENT

Hardhats	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety Glasses/Face shield/Goggles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hearing Protective Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Respirator Protective Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suitable Footwear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suitable Clothing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High Visibility Garments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. POWER & HAND TOOLS

Properly Maintained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cord Condition Adequate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Properly Grounded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Properly Guarded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. POWDER ACTUATED FASTENING DEVICES

Qualified and Certified Operator(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Properly Secured, When Not in Use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. ELECTRICAL EQUIPMENT

Properly Inspected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GFCI Protected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Properly Routed/Guarded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. INTERIOR ILLUMINATION

Task Area (10 Candle Power)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-Task Area (3 Candle Power)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

JOB SITE SAFETY INSPECTION

Yes	No	N/A
-----	----	-----

6. FALL PROTECTION

Written Work Plan Composed

Employee Training

Harnesses and Lanyards in Good Condition

Suitable Anchoring System Installed

Components Properly Installed/Maintained

Warning Line Properly Erected and Maintained

Safety Monitoring System

Qualified Individual(s)

Number of Employees Being Monitored

Scaffolding

Properly Erected

Component Condition

Equipped with Toeboards

Equipped With Access Ladders

Fully Planked/ Decked Work Platform

Ladders

Adequate Condition

Properly Extended and Secured

Properly Utilized

Aerial Lifts

Adequate Condition

Qualified and Certified Operators

Proper Battery Charging Procedures

Floor/Roof/Wall Openings Properly Guarded

Office/Storage Trailer Access Provided

7. EXCAVATION, TRENCHING & SHORING

Appropriate Protection Provided

Employee Training Provided

Safe Access Provided

8. CONFINED SPACE

Space Evaluated

Entry Plan Prepared

JOB SITE SAFETY INSPECTION

Yes	No	N/A
-----	----	-----

9. HEAVY EQUIPMENT

Forklift	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Boom Truck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crane	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Backhoe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Skid-Steer Loader	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wheeled Loader	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Air Compressor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Qualified Operators	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Properly Inspected and Maintained	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Entanglement Area Properly Guarded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Equipped with Safety Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Back Up Alarm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire Extinguisher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. WELDING & CUTTING

Adequate Equipment Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cylinders Secured and Separated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flammable and Combustible Protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Personal Protective Equipment Provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire Suppression Equipment Available	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrical Welder Properly Guarded	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hot Work Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. FLAMMABLE & COMBUSTIBLE STORAGE

Containers Properly Labeled	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate Containers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire Suppression Equipment Provided	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. HOUSEKEEPING**13. MATERIAL & SUPPLIES PROPERLY STORED**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------

How to Hold a Good Safety Meeting

1. A safety meeting should be conducted at monthly time-intervals and can be held in conjunction with a general staff meeting.
2. Be certain that everyone is aware of the meeting time and location.
3. Insist that all staff members attend.
4. Pick an appropriate topic. If you can't think of a topic, use one from the list on the next page.
5. Start the meeting on time.
6. Don't waste time, give the meeting your undivided attention.
7. In advance of the meeting, choose your topic and carefully prepare your presentation.
8. Use handouts or posters to illustrate your topic.
9. Discuss current safety issues, accidents and "near misses".
10. Invite managerial personnel and fellow workers to make safety topic presentations.
11. Provide verbal and "hands-on" employee safety training.
12. Allow sufficient time for employee questions, concerns, and input.
13. Follow-up on employee concerns, suggestions, and questions. Provide answers, in a timely manner, to questions and appropriately address concerns and suggestions.
14. Document meeting presentation by completing the "Safety Meeting Report" form.
15. When an employee training session is conducted, provide appropriate documentation.

Construction Site Safety Meeting Topic Suggestions

1. Fall protection/prevention concepts.
2. Personal protective equipment:
 - a. hardhat
 - b. eye and face protection
 - c. hearing protection
 - d. protective welding equipment
 - e. personal clothing requirements
 - f. respiratory protection
 - g. hand protection
 - h. proper footwear
 - i. traffic flagging procedures
3. Back injury prevention
4. Housekeeping
5. Tool, equipment and vehicle operational procedures
6. Emergency preparedness procedures
7. Electrical safety
8. Ladder safety
9. Scaffold safety
10. Aerial lift safety
11. Fire prevention and protection
12. Industrial injury, "near miss" and property damage incident reporting procedures
13. Unsafe practices/conditions reporting procedures
14. Confined space entry procedures
15. Excavation and trench safety concepts
16. Lock-out/tag out procedures
17. Hazard communication program
18. Heat-related stress/illness prevention concepts
19. Welding and cutting
20. Current COVID-19 Protocols

Weekly Safety Meeting Sign-In Sheet

Project: _____

Date: _____

Topic: _____

Name: _____

- | | |
|-----------|-----------|
| 1. _____ | 12. _____ |
| 2. _____ | 13. _____ |
| 3. _____ | 14. _____ |
| 4. _____ | 15. _____ |
| 5. _____ | 16. _____ |
| 6. _____ | 17. _____ |
| 7. _____ | 18. _____ |
| 8. _____ | 19. _____ |
| 9. _____ | 20. _____ |
| 10. _____ | 21. _____ |
| 11. _____ | 22. _____ |

*Please note any questions or concerns that came up during the meeting.
Also note any suggestions you have regarding YG's safety procedures.

Weekly Safety Meeting Sign-In Sheet

Project: _____

Date: _____

Topic: _____

Name: _____

- | | |
|-----------|-----------|
| 1. _____ | 12. _____ |
| 2. _____ | 13. _____ |
| 3. _____ | 14. _____ |
| 4. _____ | 15. _____ |
| 5. _____ | 16. _____ |
| 6. _____ | 17. _____ |
| 7. _____ | 18. _____ |
| 8. _____ | 19. _____ |
| 9. _____ | 20. _____ |
| 10. _____ | 21. _____ |
| 11. _____ | 22. _____ |

*Please note any questions or concerns that came up during the meeting.
Also note any suggestions you have regarding YG's safety procedures.

Yost Gallagher Construction Unsafe Practice/Condition Report Form

Employees are encouraged to actively participate in our accident prevention program by advising their supervisor or managerial personnel concerning an unsafe condition, including a defective tool or equipment, and an unsafe practice.

The employee should verbally advise his/her supervisor or managerial representative concerning a hazard or the employee may complete an unsafe practice/condition report form and present it to a supervisory or managerial representative.

Supervisory and managerial personnel should take appropriate action and provide the employee with a timely response.

A report form document is provided on the following page

Yost Gallagher Construction
Unsafe Practices/Condition Report

Date: _____

Observation: _____

Name(s) of Person(s) or Equipment Involved: _____

Your Name: _____

Corrective Action Taken by You: _____

Corrective Action Taken by Your Supervisor: _____

Supervisor's Signature: _____

Mechanic's Signature: _____

Remarks: _____

Yost Gallagher Construction
Unsafe Practices/Condition Report

Date: _____

Observation: _____

Name(s) of Person(s) or Equipment Involved: _____

Your Name: _____

Corrective Action Taken by You: _____

Corrective Action Taken by Your Supervisor: _____

Supervisor's Signature: _____

Mechanic's Signature: _____

Remarks: _____

Construction First Aid

Someone is injured on the jobsite: WHAT SHOULD I DO?

THINK 3 R's

- RESPOND
- REPORT
- RECORD

RESPOND:

- Triage the injured worker!
 - What is the injury and how serious is the injury?
 - Do I need to call 9-1-1?
 - Is first aid enough?
 - Do we need to send to the Emergency Room or will Urgent Care handle?
 - Do your best to care for the injured worker to not cause more damage!

REPORT:

- Contact the main office and report verbally to the Safety Manager first, and Project Manager if the Safety Manager is not available.

RECORD:

- Accident Investigation and Reporting: **Refer to TAB 18**. Include every detail of the who, what, when and why of the injury regardless of how insignificant. This will be your only chance to record all the details with any clarity.
- File the following with the Main Office:
 - **TAB 19** - Supervisor's Report of Industrial Injury form. Include all the details surrounding the injury.
 - **TAB 20** - Employee Industrial Injury or Illness form
 - **TAB 21**- Property Damage Report if property is damaged.
 - **TAB 22** – Site Incident Report, if subcontractor's worker is injured.

Accident Investigation and Reporting

A property damage accident, near miss incidents or work-related injury, no matter how minor or severe, must be promptly reported to an immediate supervisor. Since every incident includes a sequence of contributing factors, it is possible to avoid a repeat of the original event by recognizing, evaluating, and eliminating those factors.

Immediately following an accident, incident or injury, an investigation should be conducted, by the immediate supervisor, in conjunction with the involved worker(s) and witness(es), to determine the cause(s) of the accident, incident or injury. The results of that investigation should be documented on the "Supervisor's Report of Industrial Accident", the "Property Damage Incident Report" or a "Job Site Incident Report" form. Depending on circumstances, additional records and documentation may be required. A copy of the completed documentation should be retained by the supervisor and available for review by managerial personnel.

Immediately following an incident, pertinent personnel should complete the "Employee Industrial Injury or Illness Report" form. The supervisor should obtain a written statement, concerning the circumstances surrounding the incident, from each relevant person, review the content, for completeness and accuracy, of the statement with the employee(s) and request that the employee(s) apply a signature to the statement document. A written witness(es) statement should also be secured, reviewed with, and signed by the witness(es).

A reportable incident scene must be secured until an Occupational Safety and Health Administration (OSHA) or a Washington State Division of Occupational Safety & Health (DOSH) investigation is completed and/or the scene is released by an authorized Washington State Division of Occupational Safety & Health (DOSH) or an Occupational Safety and Health Administration (OSHA) representative. Unless such movement is required to prevent another incident and/or during the performance of victim removal activities, tools, equipment and other evidence must not be relocated.

Washington State Division of Occupational Safety & Health (DOSH) Incident Reporting Requirements:

Within an eight (8) hour time-period following a work-related incident, that results in the loss of a human life or the inpatient hospitalization of one (1) or more employee(s) or within a twenty-four (24) hour time-period an incident that results in an amputation or the loss of an eye must be reported, by calling: (800) 423-7233 or by contacting their closest office, to the Washington State Division of Occupational Safety & Health (DOSH).

Occupational Safety and Health Administration (OSHA) Incident Reporting Requirements:

Within an eight (8) hour time-period following a work-related incident that results in the loss of a human life or within a twenty-four (24) hour time-period following an incident that results in the inpatient hospitalization of one (1) or more employee(es), an amputation or the loss of an eye must be reported, by calling (800) 321-6742 or by contacting their nearest office, to the Occupational Safety and Health Administration (OSHA).

Basic Rules for Accident Investigation

- The purpose of an investigation is to find the cause of an accident and prevent future occurrences, not to fix blame. An unbiased approach is necessary to obtain objective findings.
- Visit the accident scene as soon as possible; while facts are fresh and before witnesses forget important details.
- If possible, interview the injured worker at the scene of the accident and "walk" him or her through a re-enactment. Be careful not to actually repeat the act that caused the injury.
- All interviews should be conducted as privately as possible. Interview witnesses one at a time. Talk with anyone who has knowledge of the accident even if they did not actually witness the mishap.
- Obtain written statements from everyone who has relevant information concerning the circumstances surrounding the accident/injury.
- Graphically document details of the accident; area, tools, and equipment. Use sketches, diagrams and photos as needed, and take measurements when appropriate.
- Focus on causes and hazards. Develop an analysis of what happened, how it happened and how it could have been prevented. Determine what caused the accident itself, not just the injury.
- How will you prevent such an accident in the future? Every investigation should include an action plan.
- If a third party or defective product contributed to the accident, save any evidence. It could be critical to the recovery of the claim costs.

Forms:

- **Supervisors Report of Industrial Injury Form** (Tab 19) – Use when YGC employee is injured.
- **Employee Industrial Injury or Illness Report** (Tab 20)- YGC Employee to complete when an injury occurs.
- **Property Damage Report** (Tab 21)– Use when company owned, or other equipment/vehicles are damaged regardless of responsibility.
- **Site Incident Report** (Tab 22) - Use when non-YGC employee is injured.

Yost Gallagher Construction
Supervisor's Report of Industrial Injury

Employee's Name: _____

Incident Date: _____ Time: _____ am/pm

Date & Time Injury was reported to supervisor: _____

Last Full Day Worked: _____

Incident Location: _____

Describe the Incident:

What factors caused the incident: _____

Part of body injured: _____

Date of Hire: _____ Rate of Pay: _____

Is employee receiving health benefits? () YES () NO

Total monthly cost of medical benefit (paid by employer) \$ _____

Employee's weekly schedule at the time of injury:

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Start time							
End time							

Supervisor Name: _____

Supervisor Signature: _____ Date completed: _____

Yost Gallagher Construction
Supervisor's Report of Industrial Injury

Employee's Name: _____

Incident Date: _____ Time: _____ am/pm

Date & Time Injury was reported to supervisor: _____

Last Full Day Worked: _____

Incident Location: _____

Describe the Incident:

What factors caused the incident: _____

Part of body injured: _____

Date of Hire: _____ Rate of Pay: _____

Is employee receiving health benefits? () YES () NO

Total monthly cost of medical benefit (paid by employer) \$ _____

Employee's weekly schedule at the time of injury:

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Start time							
End time							

Supervisor Name: _____

Supervisor Signature: _____ Date completed: _____

Yost Gallagher Construction

Employee Industrial Injury or Illness Report

Employee's Full Name: _____ Date of Birth: ___/___/___

Street Address: _____ City: _____ State: _____ Zip Code: _____

Job Title: _____ Gender: [] Male [] Female

Date incident occurred: ___/___/___ Time relevant shift began _____ am/pm Hire Date: ___/___/___

Time incident occurred: _____ am/pm Incident Location: _____

List any Witnesses: _____

What were you doing just before the incident occurred? _____

Describe the circumstances surrounding the incident: _____

What could have been done to prevent this incident? _____

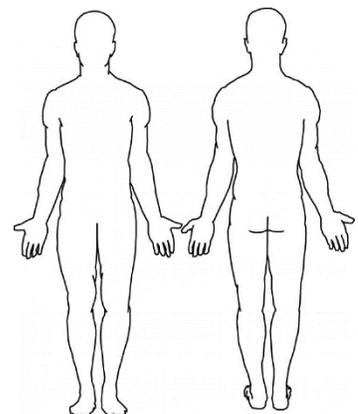
What object or substance directly harmed you? (If applicable): _____

What area of the body was affected by the incident? _____

Part of the Body (circle side if applicable):

Mark injured area(s) below:

- | | | |
|--|---|---|
| <input type="checkbox"/> Head | <input type="checkbox"/> Hand (L or R) | <input type="checkbox"/> Knee (L or R) |
| <input type="checkbox"/> Eyes (L or R) | <input type="checkbox"/> Finger | <input type="checkbox"/> Abdomen |
| <input type="checkbox"/> Nose | <input type="checkbox"/> Leg (L or R) | <input type="checkbox"/> Entire |
| <input type="checkbox"/> Mouth | <input type="checkbox"/> Foot (L or R) | <input type="checkbox"/> Glasses |
| <input type="checkbox"/> Ear (L or R) | <input type="checkbox"/> Toes | <input type="checkbox"/> Teeth |
| <input type="checkbox"/> Shoulder (L or R) | <input type="checkbox"/> Internal | <input type="checkbox"/> Groin |
| <input type="checkbox"/> Back | <input type="checkbox"/> Multiple | <input type="checkbox"/> Neck |
| <input type="checkbox"/> Chest | <input type="checkbox"/> Ankle (L or R) | <input type="checkbox"/> Elbow (L or R) |
| <input type="checkbox"/> Arm (L or R) | <input type="checkbox"/> Wrist (L or R) | <input type="checkbox"/> Rib |
| <input type="checkbox"/> Hip | <input type="checkbox"/> Face | |



First-Aid Treatment? Yes No If yes, what treatment was performed: _____

Did you receive medical treatment beyond First-Aid? Yes No

Name of Physician or Health Care Professional: _____

Name of Medical Facility: _____ Telephone number: _____

Street Address: _____ City: _____ State: _____ Zip Code: _____

Were you treated in an Emergency Room? Yes No Were your hospitalized overnight? Yes No

Were prescription drugs prescribed? Yes No

Were you placed on light or modified duty? Yes No

Did your health care provider remove you from work? Yes No

I understand that I have (1) one year from the date of this incident to seek medical attention.

I **DO** or **DO NOT** wish to seek medical attention at this time.

Employee's Signature/Date

Employer Representative Signature/Date

MEDICAL RELEASE AUTHORIZATION:

I hereby authorize my physician, clinic, hospital, agency, or therapy provider to release to my employer's representative with any relevant medical records regarding current or previous treatment(s).

Employee's Signature: _____ Date: _____

FOR OFFICE USE ONLY:

Date reported by Supervisor: ___/___/___ Case number from the OSHA 300 Log: _____

If employee died, when did the death occur? ___/___/___

Date Incident was reported to Retro Program Manager: ___/___/___

Plan for claim Management: _____

Date Employer's portion of the Report of Accident form was completed and mailed to Industrial Insurance provider or completed on the L&I website: ___/___/___

Industrial Insurance Claim Number: _____

Yost Gallagher Construction

Employee Industrial Injury or Illness Report

Employee's Full Name: _____ Date of Birth: ___/___/___

Street Address: _____ City: _____ State: _____ Zip Code: _____

Job Title: _____ Gender: [] Male [] Female

Date incident occurred: ___/___/___ Time relevant shift began _____am/pm Hire Date: ___/___/___

Time incident occurred: _____ am/pm Incident Location: _____

List any Witnesses: _____

What were you doing just before the incident occurred? _____

Describe the circumstances surrounding the incident: _____

What could have been done to prevent this incident? _____

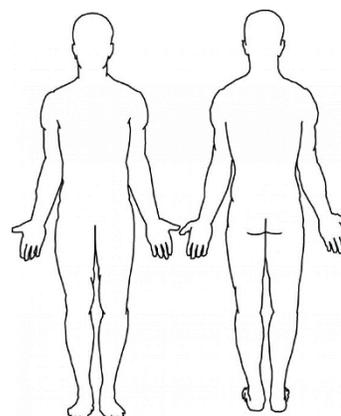
What object or substance directly harmed you? (If applicable): _____

What area of the body was affected by the incident? _____

Part of the Body (circle side if applicable):

Mark injured area(s) below:

- | | | |
|--|---|---|
| <input type="checkbox"/> Head | <input type="checkbox"/> Hand (L or R) | <input type="checkbox"/> Knee (L or R) |
| <input type="checkbox"/> Eyes (L or R) | <input type="checkbox"/> Finger | <input type="checkbox"/> Abdomen |
| <input type="checkbox"/> Nose | <input type="checkbox"/> Leg (L or R) | <input type="checkbox"/> Entire |
| <input type="checkbox"/> Mouth | <input type="checkbox"/> Foot (L or R) | <input type="checkbox"/> Glasses |
| <input type="checkbox"/> Ear (L or R) | <input type="checkbox"/> Toes | <input type="checkbox"/> Teeth |
| <input type="checkbox"/> Shoulder (L or R) | <input type="checkbox"/> Internal | <input type="checkbox"/> Groin |
| <input type="checkbox"/> Back | <input type="checkbox"/> Multiple | <input type="checkbox"/> Neck |
| <input type="checkbox"/> Chest | <input type="checkbox"/> Ankle (L or R) | <input type="checkbox"/> Elbow (L or R) |
| <input type="checkbox"/> Arm (L or R) | <input type="checkbox"/> Wrist (L or R) | <input type="checkbox"/> Rib |
| <input type="checkbox"/> Hip | <input type="checkbox"/> Face | |



First-Aid Treatment? Yes No If yes, what treatment was performed: _____

Did you receive medical treatment beyond First-Aid? Yes No

Name of Physician or Health Care Professional: _____

Name of Medical Facility: _____ Telephone number: _____

Street Address: _____ City: _____ State: _____ Zip Code: _____

Were you treated in an Emergency Room? Yes No Were your hospitalized overnight? Yes No

Were prescription drugs prescribed? Yes No

Were you placed on light or modified duty? Yes No

Did your health care provider remove you from work? Yes No

I understand that I have (1) one year from the date of this incident to seek medical attention.

I **DO** or **DO NOT** wish to seek medical attention at this time.

Employee's Signature/Date

Employer Representative Signature/Date

MEDICAL RELEASE AUTHORIZATION:

I hereby authorize my physician, clinic, hospital, agency, or therapy provider to release to my employer's representative with any relevant medical records regarding current or previous treatment(s).

Employee's Signature: _____ Date: _____

FOR OFFICE USE ONLY:

Date reported by Supervisor: ___/___/___ Case number from the OSHA 300 Log: _____

If employee died, when did the death occur? ___/___/___

Date Incident was reported to Retro Program Manager: ___/___/___

Plan for claim Management: _____

Date Employer's portion of the Report of Accident form was completed and mailed to Industrial Insurance provider or completed on the L&I website: ___/___/___

Industrial Insurance Claim Number: _____

Property Damage Incident Report

Claim Number: _____

Date: _____ Time: _____ Location: _____

Company Equipment Operator Information:

Name: _____ Cellphone Number: _____

Street Address: _____ City: _____ State: _____ Zip Code: _____

Date of Birth: ___/___/___

Driver's License Number: _____ State: _____

Company Equipment Information:

Number: _____ License Number: _____

Description: Year: _____ Make: _____ Model: _____ VIN: _____

Damaged Description: _____

Repair Cost: \$ _____ Repair Facility: _____

Other Vehicle, Equipment or Property Information:

Operator or Property Owner's Name: _____ Injured? _____

Operator's Address or Property Location:

Street Address: _____ City: _____ State: _____ Zip Code: _____

Telephone Number: _____

Driver's License Number: _____ State: _____ Date of Birth: ___/___/___

Description: Year: _____ Make: _____ Model: _____ VIN: _____

Damaged Description: _____

Repair Cost: \$ _____ Repair Facility: _____

Registered Owner: _____ Telephone Number: _____

Street Address: _____ City: _____ State: _____ Zip Code: _____

Insurance Company: Name: _____ Address: _____

Policy Number: _____ Telephone Number: _____

Witness(es): _____

Name: _____ Address: _____ Telephone Number: _____

Investigation Conducted By: None Law Enforcement Company Representative

Investigator(s) Name(s): _____

Insurance Company Advised: Yes No Date: _____

UTILIZE REVERSE SIDE TO DESCRIBE AND DIAGRAM INCIDENT:

Property Damage Incident Report

Claim Number: _____

Date: _____ Time: _____ Location: _____

Company Equipment Operator Information:

Name: _____ Cellphone Number: _____

Street Address: _____ City: _____ State: _____ Zip Code: _____

Date of Birth: ___/___/___

Driver's License Number: _____ State: _____

Company Equipment Information:

Number: _____ License Number: _____

Description: Year: _____ Make: _____ Model: _____ VIN: _____

Damaged Description: _____

Repair Cost: \$ _____ Repair Facility: _____

Other Vehicle, Equipment or Property Information:

Operator or Property Owner's Name: _____ Injured? _____

Operator's Address or Property Location:

Street Address: _____ City: _____ State: _____ Zip Code: _____

Telephone Number: _____

Driver's License Number: _____ State: _____ Date of Birth: ___/___/___

Description: Year: _____ Make: _____ Model: _____ VIN: _____

Damaged Description: _____

Repair Cost: \$ _____ Repair Facility: _____

Registered Owner: _____ Telephone Number: _____

Street Address: _____ City: _____ State: _____ Zip Code: _____

Insurance Company: Name: _____ Address: _____

Policy Number: _____ Telephone Number: _____

Witness(es): _____

Name: _____ Address: _____ Telephone Number: _____

Investigation Conducted By: None [] Law Enforcement [] Company Representative []

Investigator(s) Name(s): _____

Insurance Company Advised: [] Yes [] No Date: _____

UTILIZE REVERSE SIDE TO DESCRIBE AND DIAGRAM INCIDENT:

Yost Gallagher Construction

Site Incident Report

Project: _____

Date: _____ Time: _____ Personnel Injured (Number): _____

Personnel involved/injured: _____ Employer: _____

Personnel involved/injured: _____ Employer: _____

Personnel involved/injured: _____ Employer: _____

Transported by: _____

Medical Facility: _____

Property Damage Description: _____

Repair/Replacement Cost Estimate(s): \$ _____ \$ _____ \$ _____ \$ _____

Witness(es): (Written Statements Attached)

Yost Gallagher Construction Personnel Present at the Job Site: _____

Other Personnel Present at the Scene: _____

Emergency Responders Present at the Scene: _____

Measurements Taken By: _____

Photographs Taken By: _____

Incident Diagram Produced By: _____

Prepared By: _____

Preparation Date: _____

Incident Description:

General Information:

Recurrence Prevention Concept(s):

SAMPLE

Yost Gallagher Construction

Site Incident Report

Project: _____

Date: _____ Time: _____ Personnel Injured (Number): _____

Personnel involved/injured: _____ Employer: _____

Personnel involved/injured: _____ Employer: _____

Personnel involved/injured: _____ Employer: _____

Transported by: _____

Medical Facility: _____

Property Damage Description: _____

Repair/Replacement Cost Estimate(s): \$ _____ \$ _____ \$ _____ \$ _____

Witness(es): (Written Statements Attached)

Yost Gallagher Construction Personnel Present at the Job Site: _____

Other Personnel Present at the Scene: _____

Emergency Responders Present at the Scene: _____

Measurements Taken By: _____

Photographs Taken By: _____

Incident Diagram Produced By: _____

Prepared By: _____

Preparation Date: _____

Incident Description:

General Information:

Recurrence Prevention Concept(s):

Yost Gallagher Construction

Personal Protective Equipment Policy

- **Responsibilities:**

- o **Managerial Personnel:**

- i. Select and recommend appropriate Personal Protective Equipment acquisition.
- ii. Maintain documentation concerning Personal Protective Equipment assignments and personnel training.
- iii. At periodic time-intervals, conduct a suitability evaluation of previously selected Personal Protective Equipment.
- iv. Provide personnel training, guidance and assistance concerning the proper use, maintenance and cleansing of approved Personal Protective Equipment.
- v. In order to ensure program effectiveness, periodically evaluate and, if indicated revise this policy.

- o **Supervisory Personnel:**

- i. Have a paramount policy implementation and enforcement responsibility:
 - a. Obtain and provide, to relevant personnel, appropriate Personal Protective Equipment.
 - b. Provide personnel training concerning the proper utilization, maintenance, and cleansing requirements.
 - c. Ensure that Personal Protective Equipment certification and evaluation documentation is maintained.
 - d. Enforce the provisions of this policy.
 - i. Ensure that personnel properly maintain assigned equipment.
 - e. Advise managerial personnel when a new work zone hazard is identified or when an addition or a revised work process is initiated.
 - f. Ensure that defective Personal Protective Equipment is removed from service and properly repaired or discarded.

- o **Personnel:**

- i. Will comply with the provisions of this policy.
 - a. Refer to the "Progressive Discipline Policy" document.
- ii. Will properly utilize Personal Protective Equipment.
- iii. Will attend and actively participate in personnel training sessions.

- iv. Will properly cleanse, maintain and inspect assigned Personal Protective Equipment.
 - a. Will comply with equipment manufacturer's mandates and recommendations.
- v. Will advise supervisory personnel concerning Personal Protective Equipment deficiencies.
- o **Procedures:**
 - i. If indicated and/or feasible, engineering controls will be implemented.
 - ii. Recognition that personnel may be exposed to multiple and simultaneous hazards is imperative.
 - a. Personal Protective Equipment selection will be predicated on the most severe potential hazard exposure.
- o **Personal Protective Equipment Selection:**
 - i. An evaluation will be performed in order to determined presently assigned and utilized Personal Protective Equipment suitability.
 - ii. If indicted, replacement or additional Personal Protective Equipment will be acquired, provided to, and utilized by relevant personnel.
 - iii. Personal Protective Equipment, including garments, will be designed, and constructed in order to provide appropriate and specific job classification personnel protection.
 - iv. Personal Protective Equipment will be maintained in a sanitary and reliable condition.
 - v. Information concerning Personal Protective Equipment selection protocol will be provided to relevant personnel.
 - vi. Proper fit and personnel comfort will be ensured.
 - vii. The company will pay expenditures associated with Personal Protective Equipment acquisitions.
 - viii. Personal Protective Equipment will be exclusive utilized by a single individual.
 - ix. If an individual elects to purchase and utilize Personal Protective Equipment, compliance with this policy is mandatory.
- o **Personnel Training:**
 - i. Prior to Personal Protective Equipment assignment and utilization, relevant personnel training will be conducted and documented.

- ii. The instructional curriculum will include the following:
 - a. Proper Personal Protective Equipment utilization and maintenance procedures.
 - b. When Personal Protective Equipment utilization is required.
 - c. What type of Personal Protective Equipment is necessary.
 - d. How to properly don, doff, adjust, and wear Personal Protective Equipment.
 - e. The recommended and proper care, maintenance, serviceable life expectancy and disposal methods for Personal Protective Equipment.
- iii. Contaminated Personal Protective Equipment, that cannot be properly disinfected, will be safely discarded.
- iv. Personnel training session documentation will be retained.
- v. A personnel retraining session will be conducted:
 - a. If an individual's work habits or knowledge indicate a lack of the necessary understanding, motivation and skills that are required to properly utilize Personal Protective Equipment
 - b. If replacement or additional production equipment is installed.
 - c. If change(s) in the workplace render previous training obsolete.
 - d. If changes in Personal Protective Equipment design or classification render previous training obsolete.

Personal Protective Equipment

▪ **Head Protection:**

- Utilization required when an employee is exposed to head impact, falling or flying objects. electrical shock or burns. hair entanglement or fire hazard.
- A helmet constructed with metal components shall not be worn when an employee is exposed to an electrical hazard.
- A modification, including painting and drilling, to the shell or suspension is prohibited.
- Suspension properly adjusted to provide appropriate headband pressure against the wearer's head.
- Worn on top of the head, with the brim in the forward position. Inspected before each use.
- Avoid exposure to ultraviolet (sun) radiation, when not in use.
- Replace if a component sustains damage.

▪ **Foot Protection:**

- Utilization required when an employee is exposed to a falling or moving object, burning, scalding, cutting, penetration or similar hazard.
- Constructed of leather or other equally firm and substantial material.
- Utilization of lightly constructed (tennis shoes, canvas tops, thin or soft soles, open-toed sandals, slippers, dress shoes) footwear is not permitted
- Soles and heels constructed of material which will not create a slip hazard. Deteriorated footwear must be replaced.
- Safety-toe footwear is required when employees are exposed to crush or impact injury.
- When conditions warrant, rubber or similar footwear should be worn.

Personal Protective Equipment

▪ Eye and Face Protection

- Utilization required when a machine or operation presents potential eye or face injury, from a physical, chemical or radiation agent.
- The construction and design must comply with the American National Standards Institute (ANSI) standard, 287.1-1968.
- The construction and design of corrective lenses and frames must comply with the American National Standards Institute (ANSI) standard, 287.1-1968.
- Equipment Specifications:
 - i. Reasonably comfortable.
 - ii. Easily cleanable/disinfected.
 - iii. Marked with the manufacturer's recommendations.
 - iv. Utilized according to the manufacturer's recommendations.
 - v. Minimum interference with the wear's normal movement.
 - vi. Designed to provide protection against applicable hazard(s).
 - vii. Durable.
 - viii. Fit snugly.

▪ Hearing Protection:

- Utilization is required when employees are exposed to hazardous noise levels.
- Disposable foam-type ear plugs will be provided.
- Cotton plugs will not be used.
- Plugs must be properly inserted into the ear canal, according to the product manufacturer's recommendations.

Personal Protective Equipment

- **Leg Protection:**
 - Utilization required when an employee is operating a chain saw.
 - Protector must be constructed of flexible ballistic nylon pads or equivalent material.
 - The protector must be sewn or otherwise fastened into the trousers or equivalent protection shall be provided.
 - Protectors must be capable of providing adequate protection to vulnerable leg areas.

- **Hand Protection**
 - Utilization required when an employee is exposed to potentially injurious materials, chemicals, heat sources and similar substances.
 - Gloves must be designed for the specific application.
 - Gloves must be properly maintained.
 - Gloves should fit snugly to avoid potential machine entanglement danger.
 - Hand protection requirements for electrical workers are discussed in the "Personal Protective Equipment for Electrical Workers" section of this program.

- **Clothing:**
 - Requirements
 - i. Full body shirt, with a four (4) inch minimum sleeve length
 - ii. Full length pants
 - iii. When an employee is exposed to an entanglement hazard, clothing must fit closely about the body. Dangling clothing and/or jewelry is prohibited.
 - Protection from atmospheric conditions:
 - i. Raincoat
 - ii. Rubber footwear

Hand and Power Tools

- Equipment maintained in a safe condition.
- Point-of-Operation guarding:
 - Required when equipment is utilized.
 - Equipment designed to accommodate guard(s).
 - Required, when personnel are exposed to reciprocating, rotating or moving equipment components; belts, gears, shafts, pulleys spindles, drums, flying wheels and/or chains.
- Personnel Protective Equipment (PPE):
 - Eye and/or face protective device(s) required when personnel are exposed to a falling, flying, abrasive or splashing object hazard.
 - Respiratory protective device required when personnel are exposed to harmful dust, fumes, mist, vapor or gas exposure level.
- Switches:
 - Positive "ON/OFF" switch permitted:

* Platen sander	* <2 inches wheel grinder	* Router
* Planer	* Laminate trimmer	* Trimmers
* Nibbler	* Shear saw	* Scroll saw
 - Momentary contact "ON/OFF" switch required; **switch** lock permitted:

* Drill Tapper	* Fastener driver	* Disc/Belt sander
* Reciprocating Saw	* Saber saw	* >2 inches angle grinder
 - Constant pressure switch required:

* Chainsaw	Circular saw	*Percussion tool
------------	--------------	------------------
 - Disconnect switch:
 - * Lock-out or tag-out feature required on fixed power-driven tool.

Hand and Power Tools

- **Hand tools:**
 - Maintained in a safe operable condition.
 - Wrenches void of sprung or worn jaws.
 - Impact tool free of mushroomed head.
 - Wooden handles are properly secured and free of splinters or cracks.

- **Electrically powered hand tools:**
 - Double insulated or properly grounded.
 - During tool hoisting or lowering maneuvers, avoid power cord utilization.

- **Pneumatic power tools:**
 - Tool and hose connections are secured by threaded couplers, quick disconnect couplers or 100-pound tensile strength safety chain or equivalent.
 - Impact tool attachments secured with properly installed and maintained safety clips or retainers.
 - Nailer, stapler, etc. equipped with a muzzle/fastener receptor contact safety device.

- Utilization of compressed air for cleansing purposes, at or above thirty (30) pounds per square inch pressure, is prohibited.
 - Exceptions: concrete form, mill scale and similar cleansing operation.
 - Minimum wand length: Three (3) feet.
 - Suitable eye and face protective devices required for operator and vicinity occupants.

- Hose, pipe, valve, filter and fitting pressure within manufacture's recommendations and mandates.

- During tool hoisting or lowering maneuvers, avoid hose utilization.

- A one-half (.50) inch or greater inside diameter air hose must be equipped with air source pressure reducer.

Hand and Power Tools

- **Airless paint sprayer gun** nozzle equipped with manually actuated trigger lock/ release.
- An **abrasive blast cleaning nozzle** must be equipped with a manually operated activation/deactivation control valve.
- Abrasive wheels and tools:
 - Power:
 - During all normal operation, adequately powerful in order to maintain a safe spindle speed level.
 - Guarding:
 - A grinding machine must be equipped with a safety guard.
 - The guard shall cover the spindle end, nut and flange projection.
 - Properly aligned with the blade.
 - Fastener strength shall not exceed the guard material.
 - Safety guards on all operations where the work provides a suitable measure of operator protection may be so constructed that the spindle end, nut and outer flange are exposed.
 - When the work task covers the wheel sides, the side guard cover may be omitted.
 - When a machine is designed as a portable saw, the spindle end nut and outer flange may be exposed.
 - Abrasive wheel utilization:
 - A floor stand or bench-mounted abrasive wheel must be equipped with a protective hood guard. The guard shall be capable of withstanding a wheel burst impact.
 - Maximum 90 degrees of angular grinding wheel periphery and side exposure.
 - 125 degrees of exposure is allowable when work activities require contact with the wheel below the horizontal spindle plane.
 - Exposure shall begin not more than 65 degrees above the horizontal spindle plane.

Hand and Power Tools

- Floor and bench-mounted grinders must be equipped **with** a rigidly supported and conveniently adjustable work rest.
 - Adjusted to within 1/8 inch of the wheel surface.
 - Exceptions:
 - Work piece contact with the wheel surface is unavoidable and below the horizontal spindle plane.
 - Work piece size or shape precludes work rest utilization.
- Cup-type exterior grinding wheel shall be protected by:
 - Revolving cup guard or hand-type guard.
- An abrasive wheel shall be utilized on a machine which is equipped with safety guard(s).
 - Exceptions:
 - An interior work wheel while within the work being ground.
 - A mounted 2 inches, in diameter, or small mounted portable operations wheel.
 - Type 16, 17, 18, 18R and 19 cones and plugs.
 - Threaded hole pot balls when the work offers protection or when the size does not exceed 3 inches in diameter by 5 inches in length.
 - A metal centered diamond lapidary wheel which is either notched, segmented or continuous rim used with a coolant deflector and the operational speed does not exceed 3,500 surface feet per minute.
 - When mounted on a portable drill driven mandrel, a Type 1 wheel which is not larger than 2 inches, in diameter, and not more than 1/2 inch, in thickness, while operating at a peripheral speed that is below 1,800 surface feet per minute.
 - When operating at a peripheral speed that does not exceed 9,500 surface feet per minute, a Type 1 reinforced wheel which is not more than 3 inches, in diameter, and 1/4 inch, in thickness.
 - Safety-rated eye wear and a face shield required.
 - A valve grinding wheel.

Hand and Power Tools

- An internal grinding abrasive wheel shall be provided with safety flanges.
 - When required, used exclusively with wheels that are designed to fit the flanges.
 - Designed and properly assembled in order to insure fragmentation retention.
 - Exceptions:
 - When a wheel is securely mounted to the end of a steel mandrel and the wheel diameter is 2 inches or less.
 - The wheel is entirely contained within the work piece.
- When required, guards shall be mounted in order to maintain proper wheel alignment.
 - Sufficient strength to retain wheel fragmentation.
 - Maximum angular wheel periphery and sides exposure shall not exceed 180 degrees.
- Prior to mounting, an abrasive wheel shall be inspected, and ring tested.
- A grinding wheel shall fit freely on the spindle.
- In order to ensure wheel retention, appropriate but not excessive torque must be applied to the spindle retention nut.
- Personnel eye protective device required.
 - Exception:
 - When eye shields are permanently attached to a bench or floor stand.
- Masonry saw:
 - Properly maintained and inspected prior to each utilization.
 - Equipped with a semicircular blade guard and fragment retention enclosure.
 - Notched saw blade equipped with a motor/cutting head retention latch.
 - Blade speed maintained within manufacturer's specifications.
 - Emission management:

Hand and Power Tools

- Mechanical exhaust into a containment vessel.
- Water injection onto the blade.
- Personnel shall wear protective safety-rated eye wear.
- Portable hand-held devices:
 - Personnel shall wear protective safety-rated eye wear and a respiratory protective device.
- Electrical equipment grounding requirements:
 - A stationary saw motor frame grounded by an attachment to electrical conduit, water pipe or a driven ground.
 - An electrically powered portable saw grounded through a three-pole cord which is attached to a grounded electrical system.

Think Sheet

Air Compressors

- Air tank safety certificate. ¹
- Appropriate guards.
- Safety valves in proper working condition.
- Whip-checks installed on air line connections.
- Inspection before each use.
- Periodic maintenance.
- Employee training.
- Shut-off air supply before disconnecting tools/equipment.
 - Compressed air is not used for personal cleaning.
- Safe trailer towing procedures:
 - Safety chain.
 - Vehicle License.
 - Proper vehicle lighting.
 - Tire condition.
 - Adequate hitch on towing vehicle.
 - Condition of compressor tongue and frame.
 - Extra caution while backing.
 - Unit properly secured when parked.

¹ Required for air compressor or tanks with a capacity of 37 gallons or more or five or more cubic feet in volume. Inspection by Washington State or insurance company, required at two-year intervals.

Think Sheet

Air Powered Nail Guns/Staplers

- NEVER aim at another person.
- Face and eye protection.
- Shut-off air supply before disconnecting air hose.
- Gun against material before pulling trigger.
- Proper guards, in good condition.
- Proper storage.
- Air lines/connections in good condition.
- Inspect before each use.
- Periodic maintenance.

Backhoe

- Proper maintenance.
- Operator training:
 - Operating characteristics.
 - Seatbelt usage.
 - Safe speed.
 - Extra caution while backing.
 - Know work area, rough spots, hidden obstructions, drop-offs, etc.
 - Overhead hazards.
 - Underground hazards.
 - Keep a safe distance from excavation or other embankments.
 - Properly parked and secured, when not in use.
 - **Motor** stopped.
 - Parking brake applied or wheels chocked.
 - Controls in the neutral position.
 - Bucket fully lowered or blocked.
 - Inspected before each use.
 - Equipped with safety glass.
 - Equipped with adequate service brake.
 - Equipped with back-up alarm, signal person or an amber light.
 - Good visibility is maintained, with a dust suppression program, if needed.
 - Adequate haulage road.
 - No riders without appropriate seats.
 - A respirator is required if the operator is exposed to harmful dust.

Think Sheet

Bobcat

- Proper clothing.
- Appropriate personal protective equipment.
- Inspect before each use.
- Proper maintenance.
- Employee training.
 - Operating characteristics.
 - Maximum capacity.
 - Use seatbelt/restraint bar.
 - Safe speed.
 - Caution while backing.
 - Know the work area. (Rough spots, hidden obstruction, drop-offs, weak spots, slippery surfaces, etc.)
 - Overhead hazards.
 - Power Lines.
 - Underground hazards.
 - Avoid over-extending the lift arms.
 - Avoid steep slopes.
 - Keep back from embankments.
 - Proper loading and unloading procedures.
 - Secure vehicle when parked.

Think Sheet

Chain Saw

Personal Protective Equipment:

- Safety footwear (steel toed)
 - Leg protection (ballistic nylon chaps)
 - Eye and face protection
 - Hearing protection
 - Hardhat
-
- Saw equipped with an anti-kickback device.
 - Saw equipped with an automatic throttle control...engine speed returns to idle when constant pressure is released.
 - Engine exhaust equipped with a spark arrestor.
 - Equipment inspected before each use and periodically maintained.
 - Fire extinguisher available in the operational area

Think Sheet

Circular Saw **(Skill Saw)**

- Safety glasses.
- Hearing protection.
- Properly guarded blade.
- Blade speed not exceeded.
- Constant pressure switch.
- Double insulated or properly grounded.
- Inspect before each use.
- Periodic maintenance.

Forklift

- Qualified and certified operator.
- No rider(s) without an adequate seat.
- Hands and feet inside the vehicle's frame.
- Keep forks/load as low as safely possible.
- When carrying a load, tilt the mast back, slightly, before moving.
- Avoid over-loading.
- Rated capacity posted.
- No modifications or additions.
- Forks properly spaced for the load.
- Pallets in good condition.
- Appropriate speed for the conditions.
- Maintain good visibility.
- Operate in reverse when the load obstructs vision to the front.
- When carrying a load, drive forward up grades and backward down grades.
- Smooth operation.
- When parked, set brake, lower forks to ground level, place controls in the neutral position and shut off the engine.
- Shut off engine before refueling.
- Operator protected from over-head hazards.
- Equipment inspected before each use.
- Equipment properly maintained and inspected periodically, by a qualified mechanic.

Forklift-Supported Personnel Lift Platform

- Forklift designed, constructed and identified. by the manufacturer. as a personnel platform lift.
- Platform firmly secured to the lift carriage and/or forks.
- Personnel protection from falling objects.
- Platform specifically designed as a personnel hoist platform.
- Platform equipped with handrail and toe board, on all open sides.
- Hydraulic system limited to a fall of 135 feet per minute, if any system failure occurs.
- Forklift equipped with a safety strap or control lever lock to prevent inadvertent carriage/fork tilt maneuver.
- Forklift attended by the operator while personnel are performing work activities.
 - Operator stationed within twenty-five (25) feet of the forklift.
 - Equipment visible to the operator.
- Operator in the normal operating position, while raising or lowering an occupied platform.
- When personnel occupy the platform, forklift travel is limited to "inching" or an extremely slow and cautious maneuver.
- Platform properly guarded to prevent personnel contact with chain or shear/pinch point.
- Apparatus visually inspected, before each use.

Think Sheet

Dump Truck

- The proper and safe operation of this and all equipment is YOUR responsibility.
- Perform periodic maintenance and servicing.
- Inspect before each use.
- Operated only by qualified personnel.
- Use the seatbelts.
- Survey the work area for personnel and dangerous obstructions, especially overhead hazards.
- Exercise extra caution when backing.
- Exercise extra caution when operating on slopes or near excavations, embankments or other tipping hazards.
- Remain in the cab or other safe location during loading activities.
- Properly secure load.
- Clean debris from the bed and other contaminated areas, before traveling on public highways.
Use extreme caution when working near the tailgate.
- Provide positive bed support when personnel are working under raised beds, platform or box.
Maintain proper clearance away from high voltage electrical apparatus.

Think Sheet

Gasoline Powered Cut-off Saw

- Inspect before each use.
- Observe maximum blade speed.
- Blade properly guarded.
- Spark management.
- Respiratory protection.
- Face and eye protection.
- Hearing protection.
- Periodic maintenance.
- Employee training.
- Daily housekeeping
- Safety zone established.

Think Sheet

Larger Vehicle Driving

- Inspect before each use.
- Periodic maintenance.
- Additional time/distance needed to accelerate.
- Flag/light extended loads. (Four feet behind rear bumper; three feet beyond front bumper).
- Limited visibility, keep mirrors clean and properly adjusted.
- Extra caution while backing.
- Extra caution when driving in construction areas.
- Secure load. Use tie-downs when needed.
- Clean bed after each use.
- Watch for children and other workers.
- Extra caution when towing a trailer.
- Use seatbelts.
- Properly secure vehicle when parked.
- Passengers are not allowed on outside portion of vehicles.

Miter Saw

- Periodic and timely maintenance.
- Inspected prior to each utilization.
- Electrically grounded.
- Maximum blade speed indicated on the blade.
- Operated within maximum blade speed limits.
- Blade properly guarded.
 - Guard properly maintained.
- Eye and face protective devices provided and utilized.
- Hearing protective devices utilized.
- At timely intervals, operational area housekeeping activities are performed.
- Operator training provided.
- Safety zone established and property maintained.

Think Sheet

Portable Band Saw

- Proper clothing.
- Eye and face protection.
- Safety footwear.
- Maintain proper footing.
- Keep away from moving parts.
- Proper guards and safety devices.
- Use side handles.
- Use proper tool/accessory for the job.
- Safety zone established.
- Proper tool grounding.
- Inspect before each use.
- Proper maintenance.
- Use the proper extension cord.
- Secure **work**.
- Store properly.
- Housekeeping.

Power Hand Tools (Screw Gun)

- Proper maintenance.
- Inspect before each use.
- Doubled Insulated or equipped with GFCI.
- Equipped with single action on-off and lock-on switch.
- Cord not used for hoisting or lowering tool.
- Appropriate personal protective equipment
- Dally housekeeping.

Powder Actuated Fastening System

- Know the class (low, medium or high velocity) of the tool you are operating.
- Know the power load you are using.
- Know the fastener you are using.
- Equipment safety requirements:
 - Designed to prevent inadvertent operation, including falls from ten (10) feet.
 - Actuation dependent upon two (2) separate and distinct operations.
 - Equipped with varying power level settings.
 - Equipped with angle control device.
 - Power load color coding.
 - Tool and fastener compatibility.
 - Tool bears the model designation and serial number.
 - Appropriate warning "POWDER ACTUATED TOOL" on the outside of the LOCKABLE storage container.
 - Appropriate warning label on the inside cover of the LOCKABLE storage container.
 - **Appropriate label, QUALIFIED OPERATOR**, on the tool.
- Information required to be with the tool:
 - Operator's instruction and service manuals.
 - Power load chart.
 - Tool inspection record.
 - Service tools and accessories.

Powder Actuated Fastening System

- Qualified operator:
 - Follow manufacturers' instructions.
 - Qualified manufacturer's Instructor, for operator training.
 - Written and operational test required in the presence of the manufacturer's Instructor.
 - Operator's card in the possession of the operator, when using the tool.
 - Revocation of card for safety rule violation.
 - Eye and/or face protection required for operator, and others near the work area.
 - Hearing protection required in confined spaces or other noisy areas.
 - Tool LOADED ONLY JUST BEFORE USE.
 - NEVER point the tool at anyone.
 - Tool held against work surface for thirty (30) seconds after a MISFIRE.
 - Extra caution when working with hard, brittle or soft materials.
- Tool service, Inspection and maintenance:
 - Regular intervals.
 - Qualified person.
 - Manufacturer's parts.
 - Written records.
- 'POWER ACTUATED TOOL IN USE' sign (8X10 inches) posted in the work area.

Laser Equipment (Nonionizing Radiation)

- Qualified and trained operator.
- Proof of qualifications in operator's possession, when using equipment.
- Appropriate eye protection required for operator and other exposed workers.
- Warning signs required in class II and III laser work areas.
- Beam covered or turned off when not in use.
- Mechanical or electronic detector used for guiding internal alignment.
- Laser beam not directed at workers.
- Laser unit set up above worker's heads, whenever possible.
- Use only class I, II or III lasers, class IV lasers prohibited.

Radial Arm Saw

- Face and eye protection.
- Hearing protection.
- Respiratory protection.
- Proper guards.
- Warning signs are in place.
- Spreader for ripping.
- Anti-kickback device.
- Forward motion stop.
- Front-end slightly higher than rear.
- Rip against direction of blade.
- Switch in front and properly guard.
- Firm and level work area.
- Push stick.
- inspect before each use.
- Periodic maintenance.

Think Sheet

Rotary Hammer

- Proper clothing.
- Eye and face protection.
- Hearing protection.
- Safety footwear.
- Respiratory protection.
- Keep away from moving parts.
- Proper guards and safety devices.
- Use the side handle.
- Use the proper tool/accessory for the job.
- Safety zone.
- **Proper** grounding.
- Tool retainer.
- Inspect before each use.
- Proper maintenance.
- Use the proper extension cord.
- Secure work.
- Store properly.

Table Wood Saw

- Qualified operator.
- Frequent maintenance.
- Inspected before each use.
- Operate according to manufacturer's instructions.
- Maximum speed.
- Blade guarded, when not in use.
- Blade above the material guarded during cutting operations.
- Jig or other fixture used for unusual shapes or cuts.
- Guard replaced immediately after making unusual cuts or shapes.
- Push sticks are used for small or narrow material.
- Equipped with spreader and anti-kickback devices.
- Eye and face protection.
- Hearing protection.
- Hand protection, when needed.
- Sound footing.
- Safety zone established.
- Good housekeeping.

Think Sheet

Trencher

- Review and comprehend operator's manual and informational/Warning/instructional signs.
- Inspect, prior to each utilization.
 - Repair or replace defective component(s)
- Survey work area:
 - Provide adequate engine exhaust ventilation.
 - Locate underground obstruction(s)
 - Remove surface entanglement hazard(s)
 - Establish and maintain operational area safety zone.
- Maintain machine control:
 - Operator mentally and physically prepared for routine operations and unusual conditions.
 - Exercise extra caution, during operation on a sloped or uneven surface
- Avoid machinery component entanglement hazard exposure:
 - Maintain Mechanism Guard(s)
 - Proper Hair Length
 - Wear Appropriate Clothing
 - Remove watch and ring(s)
- Utilize suitable Personal Protective Equipment (PPE): hardhat, eye, face and hearing protective devices. respirator, appropriate footwear, gloves
- Stop engine operation:
 - During refueling activities
 - When performing maintenance procedures
 - During mechanism entanglement removal activities
- Avoid hot engine component contact.

Yost Gallagher Construction

Fleet Safety Policy

The company has a paramount obligation and responsibility to institute policies and procedures which direct and motivate employees to avoid unsafe and unhealthy activities. Additionally, we have an obligation and responsibility to protect community members from the effects of employee misconduct and protect the company's public image. Potentially, employee misconduct exposes the company to overwhelming civil liability and substantially threatens the company's financial resources. Because of those obligations, responsibilities and concerns, this vehicle and equipment operators' safety policy is established and implemented.

- An employee is prohibited from operating a company owned or controlled vehicle or equipment while under the influence of or affected by alcohol and/or another drug utilization, including prescribed or "over-the-counter" medication which adversely affect an employee's ability to safely operate a vehicle or equipment.
- Transportation or storage of alcohol and/or another drug in a company owned or controlled vehicle or equipment is prohibited.
- A company owned or controlled vehicle or equipment will not be utilized for personnel transportation to or from or parked in the vicinity of an alcohol and/or another drug distribution facility.
- The operator is responsible for the safe, legal and prudent operation of a company owned or controlled vehicle or equipment.
- Company owned or controlled vehicle assignment, to an employee, is at the exclusive discretion of executive management.
- A company owned or controlled vehicle or equipment are to be exclusively utilized to conduct company business. Personal utilization must be approved by executive management.
- Company owned or controlled vehicle or equipment operation by a person who is not employed by the company is prohibited.
- The operation of a company owned or controlled vehicle or equipment must be approved by supervisory or executive managerial personnel.
- A company owned or controlled vehicle operator must have been issued and have in his/her possession a valid driver's license, issued by the State of his/her residency.
- A commercial vehicle will be exclusively operated by personnel who have been issued and possess a valid Commercial Driver License (CDL).
- If the driver's license of an assigned vehicle operator is suspended or revoked, the company's business office must be immediately (within a twenty-four (24) hour time-period) notified.
- During a driver's license suspension or revocation time-period, a relevant employee is required to provide personal transportation to and from work assignment area(s).
- Public highway operation, by an unlicensed operator, of a company owned or controlled vehicle is prohibited.

- An annual review of each employee's Motor Vehicle Record (MVR) will be conducted by executive management personnel. An evaluation of that record will be a consideration for continuation of the employee's vehicle assignment privilege.
- Unless a company's responsibility is demonstrated, an employee will be responsible for the payment of a parking violation assessment.
- Within a two (2) hours timeframe, following Involvement of a company owned vehicle or equipment in a collision, which results in damage to any property, the operator of the vehicle or equipment, or his/her supervisor, must provide a verbal report, concerning the collision, to executive management. The operator will submit a written report concerning the collision to executive management, within a twenty-four (24) hour time period, following the Incident.
- Supervisory personnel will conduct a property damage incident investigation and submit, to executive management, written documentation concerning that Investigation, along with, if available, third-party investigative report(s).
- An employee will reimburse the company for expenses incurred to repair damage to a company owned vehicle or equipment, if the damage was caused by the employee's willful negligence, carelessness or recklessness. Decisions concerning employee reimbursement requirements are at the discretion of executive management.
- Employees who are assigned a company owned vehicle are responsible for appropriate and timely equipment maintenance.
 - Vehicle and equipment operators should be familiar with the manufacturer's preventative maintenance schedule.
- Company owned vehicles will be maintained in a clean and presentable condition.
 - At timely intervals, debris will be removed from a vehicle.
- Vehicle operator and occupant seatbelt utilization is required.
- Company owned vehicles and equipment will be equipped with a first-aid kit and serviceable fire extinguisher.

As a Yost Gallagher Construction employee and company provided vehicle or equipment operator, I acknowledge and accept the terms, conditions and restrictions outlined in this policy. I understand that this policy is established in order to enhance my safety and welfare and that of the general public. Also, it is intended to insulate the company against potential civil liability.

I have reviewed and understood the provisions outlined in this policy. I agree to continuously comply with those provisions and realize that noncompliance may result in disciplinary action which may include termination of my employment with Yost Gallagher Construction.

Employee Name: _____ Date: _____

Employee Signature: _____

Assigned Vehicle/Equipment Number: _____

SAMPLE

cc: Personal File
Insurance File

Yost Gallagher Construction

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Employee Name: _____ Date: _____

Employee Signature: _____

Assigned Vehicle/Equipment Number: _____

cc: Personal File
Insurance File

Construction Fall Protection Requirements

Generally, required when walking/working surface occupant(s) are exposed to a 4 or more feet vertical height fall hazard distance.

Exceptions:

- Fall protection required at a 10 feet vertical height above lower surrounding surface(s):
 - When personnel are involved with:
 - “Roofing work” activities, while stationed on a low-pitched roof.
 - “Leading edge” work activities, while stationed on a low-pitched roof.
 - “Steel erection” work activities.
 - Structural framing, from a non-walking/working top wall plate surface.
 - Excavation/trenching work activities.

Additional Exceptions:

- Fall protection equipment utilization or institution of an approved procedure is not required:
 - When the roof-level parapet height is 39 inches or more.
 - During initial fall protection equipment anchor(s) installation or subsequent disassembly, prior to the beginning of or following the performance of work activities.
 - Personnel involved in low-pitched roof-level inspection or estimation activities, prior to the beginning of or following the performance of work activities
- Protection required regardless of vertical exposure height
 - Floor hole or floor opening.
 - Applicable to support column area.
 - Personnel exposure to dangerous equipment, dip tanks, material handling equipment, or an impalement hazard (steel concrete reinforcement bar or exposed steel or wooden form securement/stabilization stakes
- When personnel are exposed to a 10 or more vertical feet fall hazard distance, a site-specific fall protection work plan must be composed, in a written format, and available, at the job site, for regulatory agency inspection.
- Personnel training, concerning the provisions of the written fall protection work plan and the hazards associated with the performance of work activities in an elevated work zone, must be provided and documentation maintained, at the job site.

Construction Fall Protection Requirements

FALL RESTRAINT SYSTEMS

Personnel fall prevention

Anchorage points capable of supporting 4 times the intended load.

Component Requirement:

- Full body harness.
- Hardware components capable of withstanding a 4,000 pounds tension load.

Guardrail System:

- Top rail vertical height: between 39 and 45 inches above the lower surface.
 - Guardrail height enhancement requirements:
 - Stilt utilization
 - Work platform(s) located above guardrail system.
- Intermediate rail vertical height: mid-way between lower surface and top rail.
 - Constructed from support posts, top and intermediate rails, and toe board
 - Capable of supporting a 200 pounds downwardly applied force.
- Wooden rails:
 - Top rail: 2 inches X 4 inches smooth surfaced dimensional lumber or equivalent.
 - Intermediate rail: 1 inch X 6 inches dimensional lumber or equivalent.
- Pipe rails:
 - Top rail and intermediate rails: 1.5-inch nominal OD stock or equivalent.
- Cable:
 - Capable of supporting a 200 pounds downwardly applied force.
 - Highly visible material attached at 6 feet horizontal intervals.
- Horizontal post spaces shall not exceed 8 feet.
- Temporary guardrail removal procedure: Single duty monitor/attendant required.

Positioning Device:

- Positioning or full body harness required.
- Free fall distance limited to 2 feet.
- Anchorage capable of supporting twice the potential load or 3,000 pounds, whichever is greater.

Construction Fall Protection Requirements

Rope-grab Device:

- Must be a component of a specifically designed restraint system
- Strict adherence to manufacturer's recommendations and instructions.

Warning Line System:

- Applicability:
 - A low-pitched (slope equal to or less than 4 in 12) roof.
- Construction:
 - Rope, wire, chain, or plastic (3 millimeters thick and 3 inches, in width), tape.
 - 200 pounds tensile strength.
 - Support stanchions.
 - Highly visible material attached at 6 feet horizontal intervals.
 - Not required when plastic tape is utilized.
 - Stanchion line support height 36 to 45 inches above the lower surface.
 - Stanchions capable of resisting, without tipping, a 16 pounds horizontal force.

Roofing Work Activities:

- Line erected a minimum of 6 feet inside the fall hazard exposure area(s).
- When mechanical equipment is utilized, line erected a minimum of 10 feet inside the fall hazard exposure zone.

Leading Edge Work Activities:

- Segregate leading edge work activities from other work activities.
- Line erected between 6 and 25 feet rearward from the leading edge.
- Supplemented by the safety monitor system, between the warning line and the fall exposure area.

Other than Roofing and Leading-Edge Work Activities:

- Line erected a minimum of 15 feet inside fall hazard exposure area(s).
- Erected along all exposure areas.

Construction Fall Protection Requirements

Safety Monitor System:

- Applicability:
 - A low-pitched (slope equal to or less than 4 X12) roof, in conjunction with a warning line system.
 - Personnel engaged in roofing activities, stationed on a low-pitched roof, which is 50 feet or less in width, may elect to use a safety monitor system void of warning line(s).
 - Personnel engaged in roofing or leading-edge work activities.
 - During adverse weather conditions. utilization not allowed.
- Relevant personnel, who are performing work activities between the warning line and the fall hazard exposure area(s), must utilize highly visible, distinctive, and uniform apparel.
- When issued by a safety monitor, relevant personnel must promptly comply with a fall hazard warning or instruction.

Safety Monitor Personal Qualifications:

- Component person. {296-155-24603}
- Appropriately training concerning safety monitor and warning line systems.
- Identified in the fall protection work plan.
- Control authority concerning fall protection related issues.
- Instantly distinguishable, from other crew members.
- Perform no other duty.
- Maintain a clear and unobstructed view of crew member(s).
- Maintain normal voice communication with crew member(s).
- Supervise no more than 8 personnel.
- Provide warning/guidance to personnel concerning fall hazard exposure(s) or unsafe activities.

Safety Watch System Requirements:

- Applicability:
 - Low-pitched roof area.
 - One individual, during the performance of repair or service work.
 - Only two personnel are located at roof level.
 - The employee who is performing the work activities must promptly comply with the warning/guidance of the safety watch.
 - Utilization of mechanical equipment is prohibited.
 - When weather conditions create additional hazard(s), implementation not approved.

Construction Fall Protection Requirements

Safety Watch Personal Qualifications:

- Component person. (296-155-24603)
- Control authority concerning fall protection related issues.
- Perform no other duties.
- Maintain a clear and unobstructed view of the relevant worker.
- Maintain normal voice communication with the relevant worker.
- Provide warning/guidance to the worker concerning fall hazard exposure(s) or unsafe activities.

FALL ARREST SYSTEM

- Full body harness.
- If exposed to an impact load, components must be removed from service, until evaluated by a competent person.
- Anchorage points capable of supporting 5,000 pounds, per relevant individual:
- Anchorage points capable of supporting 3,000 pounds, per relevant personnel:
 - Self-retracting lifeline.
 - Shock absorbing (900) pounds personnel exposure) lanyard.
- Free fall distance limited to a 6 vertical feet maximum.
- Avoid lower surface contact.
- Maximum personnel arresting force: 1,800 pounds.
- Maximum deceleration distance: 3.5 feet.
- Sufficient strength to withstand twice the potential impact energy relative a 6 feet free fall.
- Protected from laceration and/or abrasion exposure.
- Attachment point location:
 - Center of wearer's back.
 - Above wearer's head.
- Forged, pressed, formed steel or equivalent.
- Corrosion resistant and smooth finish.
- Vertical lifeline:
 - Attachment restricted to a single individual.
 - 5,000 pounds break strength.
 - Retractable lifeline and 2 feet free fall distance limit=3,000 pounds break strength.
- Horizontal lifeline:
 - Designed, installed, and utilized under the supervision of a qualified person.
 - Component of a complete fall arrest system.
 - Safety factor of 2.

Construction Fall Protection Requirements

- Lanyard:
 - 5,000 pounds break strength.
- D-ring and snap hooks:
 - 3,600-pound tensile strength.
 - Unless designed for alternative utilization, the following attachments are prohibited:
 - Directly to webbing, rope, or wire rope.
 - Directly to a horizontal or vertical lifeline.
 - To each other.
 - Duel D-ring attachments.

Safety Net System: Refer: 296-155-24613(2)

- **Catch Platform:**
 - Installed beneath and within 4 vertical of a fall hazard exposure.
 - Minimum platform width: 45 inches.
 - Equipped with perimeter guardrails.
- **Ramp, Runway, and Inclined walkway:**
 - Guardrail and, if indicated, a toe board.
- **Floor, Hole, or Opening:**
 - Guardrail or suitable, secured, colored coded or labeled with the word “cover” or “hole” cover.
- **Ladderway Floor Opening:**
 - Perimeter guardrail.
 - Access opening gate or off-set guardrail.
- **Hatch or Chute Floor Opening:**
 - Hinged cover and perimeter guardrail, with one removal guardrail access opening
 - Or-
 - Two sections of removal guardrail/toe board and two perimeter sections of fixed guardrail/toe board.
- **Skylight:**
 - Cover, which is capable of supporting a 200-pound person, with a safety factor of 4.
 - Fall protection equipment.

Construction Fall Protection Requirements

- **Pit and Trap Door Floor Openings:**
 - Suitable cover.
 - When the cover is removed, standard guardrail installation is required.
- **Manhole Floor Opening:**
 - Suitable cover.
 - When the cover is removed, standard guardrail installation is required.
- **Wall Opening:** (30 inches in height and 18 inches in width and sill at less than 39 inches).
 - Supplemental guardrail required when the sill height is less than 39 inches above the lower level.
 - Toe board required when a wall height is 4 inches or less above the lower level.
- **Concrete Form or Reinforcement Steel:**
 - Fall protection equipment.
- **Hazardous Slope:** (normal footing cannot be maintained)
 - Fall restraint system.
 - Positioning device.
- **Excavation/Trenching:**
 - 10 feet fall protection exposure distance regulation is applicable.
 - Non applicability:
 - Personnel directly involved in excavation process.
 - Embankment(s) are sloped in order to provide cave-in. hazard protection.
 - Applicability:
 - Personnel, not directly involved in the excavation process, are standing, or walking in the affected area. The affected area is a horizontal distance which is equal to the excavation depth, with a 15 feet maximum width, away from the excavation embankment(s).
 - Personnel are stationed on the protective structure or any other structure within the excavation.

Construction Fall Protection Requirements

ROOFING WORK:

Hoisting, storage, application and removal of roofing material and equipment, including related insulation, sheet metal and vapor barrier. Does not include roof deck construction.

LEAD EDGE WORK:

The advancing edge of a floor, roof, or formwork, which changes location as additional floor, roof or formwork sections are placed, formed, or constructed

WALKING/WORKING SURFACE:

Surface which is 45 inches in all directions...floor, roof, bridge, ground, etc.
Does not apply to a vehicle and rolling stock

PLATFORM:

Elevated work surface

FLOOR OPENING:

Minimum dimension of 12 inches or more.

FLOOR HOLE:

Minimum dimension between 1 inch and 12 inches.

Fall Restraint and Arrest

- Required for work activities performed six (6) or more feet above the surrounding surface.
- Written training documentation on file, at the job site, for employee(s) exposed to a fall hazard.

FALL RESTRAINT SYSTEM:

- Prevents personnel from falling over a work surface edge.
- Guardrail
 - Top rail thirty-nine (39) to forty-five (45) inches above the surface.
 - Height increased when stilts utilized.
 - Midrail, screening and toe board also required.
 - Capable of sustaining a 200-pound force.
- Safety harness and lanyard, 4,000-pound tensile strength.
- Rope grab device.
- Anchorage point(s) capable of supporting four (4) times the intended load.

FALL ARREST PROTECTION:

- Full body harness and lanyard.
- Maximum of six (6) feet free fall. Avoid contact with lower surface.
- 1,800-pound maximum arrest force, when a full body harness is utilized.
- Lanyard capable of supporting 5,000 pounds.
- Anchorage points capable of supporting a 5,000-pound load, per employee.
- Vertical lifeline capable of supporting 5,000 pounds for each employee.
- One employee attached to each vertical lifeline.
- Horizontal lifeline designed with a safety factor of at least two (2).
- Retractable lifeline.

Fall Restraint and Arrest

WARNING LINE SYSTEM:

- Minimum of six (6) feet back from the roof edge and along all open sides.
- Line constructed of rope, wire or chain, 500-pound minimal tensile strength.
- Access pathway(s) provided.
- Highly visible flags provided, at six (6) feet intervals.
- Line 34 to 39 inches above the work surface.
- Line and stanchions capable of resisting a force of 16 pounds, without tipping.
- Only roofing work permitted between warning line and roof edge.

SAFETY MONITOR SYSTEM: (Roofing Work and Leading-Edge Work)

- Low pitched roofs only.
- Not allowed during adverse weather.
- Safety Monitor Requirements:
 - Competent person. Authority over work.
 - Distinguishable from other employees.
 - Provides warning to other employees.
 - Same level as other employees.
 - Oral communications.
- The use of a safety monitor system alone, without a warning line, is permitted for roofing work on roofs which are fifty (50) feet or less in width.

Fall Restraint and Arrest

ROOF ACCESS PATH:

- Path formed with two (2) warning lines, a minimum of six (6) feet in length.
- Path closed off, with wire, rope, or chain, when not in use.

ROOF EDGE MATERIAL HANDLING AREAS:

- Fall protection required at heights of six (6) feet or more.
- Chain or gate across opening, when not in use.
- Material stored six (6) feet back from the roof edge unless a guardrail installed.

WALKING/WORKING SURFACE:

- Sufficient strength and structural integrity.
- Fall protection required at heights of four (4) feet or more.
- Holes:
 - Employees protected by covers, guardrails or fall protection.
 - Employees protected from falling objects.

RAMPS, RUNWAYS AND WALKWAYS:

- Guardrail required at height of six (6) feet or more.
- Eighteen (18) inch minimum width.
- Maximum of twenty (20) degree incline.
- Cleated or equipped with skid-resistant material.

Fall Restraint and Arrest

EXCAVATION:

- Fall protection guardrail required when six (6) or more in depth and not clearly visible.

AERIAL LIFT: (Articulating boom-supported or bucket-type)

- Equipped with a suitable perimeter guardrail or enclosure.
- Fall protection harness or body belt and lanyard attached to manufacturer's provided anchorage.

(Scissor-type)

- Equipped with a suitable perimeter guardrail.
- When occupied, the access opening guardrail maintained in a closed configuration.

POSITIONING DEVICE SYSTEMS:

- Two (2) feet maximum employee free fall distance.
- Anchorage points capable of supporting 3,000 pounds or twice the intended load.
- Body belt allowed.

CONTROLLED ACCESS ZONE: (Leading Edge Work)

- Safety monitor required for leading edge work between the control/warning line and the leading edge.
- Control line:
 - Attached to guardrail or wall.
 - Installed six (6) to twenty-five (25) feet back from and parallel to the unprotected or leading edge.
 - Constructed of rope, wire, tape, or equivalent material, with a breaking strength of 200 pounds or more.
 - Clearly marked with highly visible material, at six (6) feet intervals.
 - Supported thirty-nine (39) to forty-five (45) inches above the surface.

Yost Gallagher Construction

Fall Protection Work Plan

Project: _____ Preparation date: _____

1. Work activities which require fall protection: _____

2. Fall protection system to be utilized:

- | | | |
|---|---|--|
| <input type="checkbox"/> Fall Arrest | <input type="checkbox"/> Fall Restraint | <input type="checkbox"/> Harness/Lanyard |
| <input type="checkbox"/> Harness Exclusively | <input type="checkbox"/> Horizontal Lifeline | <input type="checkbox"/> Vertical Lifeline |
| <input type="checkbox"/> Fall Restraint Attachment Line | <input type="checkbox"/> Warning Line System | <input type="checkbox"/> Safety Monitor System |
| <input type="checkbox"/> Controlled Access Zone | <input type="checkbox"/> Rope-Grab Device | <input type="checkbox"/> Beamer |
| <input type="checkbox"/> Guardrail | <input type="checkbox"/> Retractable Lifeline | <input type="checkbox"/> Scaffolding |
| <input type="checkbox"/> Aerial Lift | <input type="checkbox"/> Ladder | <input type="checkbox"/> Structural Parapet |
| <input type="checkbox"/> Catch Platform | | |

3. Fall protection system maintenance, inspection, assembly, and disassembly:

- Full body harness(es) and lanyard(s) will be properly stored, maintained, and inspected periodically and before each utilization.
- When utilized as a fall arrest system component, fall protection apparatus will be properly attached to an anchor which can withstand a 5,000 pounds force. Apparatus will be attached to: _____
- When a retractable lifeline or a shock-absorbing lanyard, that limits personnel impact exposure to nine hundred pounds, are utilized, the anchorage must be capable of withstanding a 3,000 pound impact force. Apparatus will be attached to: _____
- When utilized as a fall restraint system component, fall protection apparatus will be properly attached to an anchor which can withstand a force which is four (4) times greater than the intended load. Apparatus will be attached to: _____
- A horizontal lifeline will be of sufficient strength, properly designed and anchored; installed and utilized by qualified personnel; properly maintained and inspected before each use.
- An individual vertical will be of sufficient strength, properly anchored, installed by qualified personnel, properly maintained, and inspected before each use.

- A fall restraint attachment line will be of sufficient strength, properly anchored, installed by competent personnel, property maintained and inspected prior to each utilization.
- Retractable lifeline apparatus (fall arrest anchor which is capable of withstanding a 3,000 pounds force) or a rope-grab device (fall restraint anchor which is capable of supporting four (4) times the intended load) or a personnel positioning device (fall arrest anchor which is capable of-withstanding a 3,000 pounds impact load or twice the intended personnel load) will be properly designed, for the task demands, properly stored, maintained, installed by competent personnel, properly anchored and inspected prior to each utilization.
- A warning line or controlled access zone, comprised of suitable components, will be established, and erected by competent personnel before relevant elevated work activities commence and removed subsequent pertinent work activities completion.
- A competent person will inspect warning line system or controlled access zone components, as they are being stationed and at the beginning of each work session.
- The following personnel will personnel fall restraint safety monitor duties:

(Attach monitor(s) qualification document to this plan)

- An individual vertical will be of sufficient strength, properly anchored, installed by qualified personnel, properly maintained, and inspected before each use.
- Wall opening(s) will be properly guarded, with a standard guardrail and toe board.
- Floor opening(s) will be properly covered or protected with a standard guardrail system.
- Guardrails will be properly constructed, maintained in a safe condition, and inspected at timely and periodical intervals.
- When utilized as a fall protection system component, the structural parapet integrity will be insured, and the height will be a minimum of thirty-nine (39) inches above roof-level.
- Ladder(s) will be properly stationed, properly maintained and inspected prior to each utilization.
- Scaffolding will be properly maintained, inspected before each utilization, properly erected and stationed, by competent personnel, pursuant guidelines which have been promulgated by the scaffold manufacturer and applicable safety standards.
- An aerial lift will be properly maintained, inspected before each utilization, and safely operated by qualified personnel, pursuant guidelines which have been promulgated by the equipment manufacturer and applicable safety standards.
- A forklift-supported work platform will be designed and constructed for the intended purpose, properly secured to the hoisting mechanism, properly maintained, inspected prior to each utilization, and operated, pursuant applicable safety standards, by properly trained and qualified personnel.
- Catch platform(s) will be properly erected, by competent personnel, maintained and inspected prior to each utilization.

4. Tool, equipment and material storage, handling, and security:

- Personnel will store and carry hand tools in a tool belt or other appropriate container(s).
- A forklift, crane or aerial lift will be utilized to hoist heavy or bulky tools, equipment, or material into elevated work zone(s). That equipment will be inspected, prior to each utilization, properly maintained and operated by qualified personnel. The maximum rated- capacity will not be exceeded.
- Tools, material, and equipment will not be stored or stationed within six (6) feet of a roof's perimeter.
- An appropriate guardrail will be erected in the tool, material or equipment handling area(s).
- An appropriate access pathway will be constructed and properly maintained.
- An individual vertical will be of sufficient strength, properly anchored, installed by qualified personnel, properly maintained, and inspected before each use.

5. Personnel overhead hazard protection provisions:

- Personnel will utilize a hardhat.
- A safety zone will be established around and beneath elevated work area(s).
- Barricades will be erected around and beneath elevated work zone(s).
- Informational/warning signs will be stationed and properly maintained.
- Scaffolding, aerial lift(s) and catch platform(s) will be equipped with a toe board or another appropriate tool, equipment, supplies and material retention system.
- If indicated, personnel will provide verbal warning concerning overhead hazard exposure.

6. Personnel evaluation, treatment, and elevated work zone evacuation provisions:

- Supervisory personnel will evaluate the condition of a worker who has fallen, if indicated, will voluntarily, as a "Good Samaritan", administer first-aid and activate, by calling 911, the Emergency Medical System.
- The following equipment is available for utilization during an elevated work zone personnel rescue and evacuation:
 - [] Aerial lift
 - [] Forklift
 - [] Crane
 - [] Ladder
 - [] Self-rescue Device

A review and discussion of this Fall Protection Work Plan was conducted with relevant personnel.

Date

Supervisor

Yost Gallagher Construction

Fall Protection Work Plan

Project: _____ Preparation date: _____

1. Work activities which require fall protection: _____

2. Fall protection system to be utilized:

- | | | |
|---|---|--|
| <input type="checkbox"/> Fall Arrest | <input type="checkbox"/> Fall Restraint | <input type="checkbox"/> Harness/Lanyard |
| <input type="checkbox"/> Harness Exclusively | <input type="checkbox"/> Horizontal Lifeline | <input type="checkbox"/> Vertical Lifeline |
| <input type="checkbox"/> Fall Restraint Attachment Line | <input type="checkbox"/> Warning Line System | <input type="checkbox"/> Safety Monitor System |
| <input type="checkbox"/> Controlled Access Zone | <input type="checkbox"/> Rope-Grab Device | <input type="checkbox"/> Beamer |
| <input type="checkbox"/> Guardrail | <input type="checkbox"/> Retractable Lifeline | <input type="checkbox"/> Scaffolding |
| <input type="checkbox"/> Aerial Lift | <input type="checkbox"/> Ladder | <input type="checkbox"/> Structural Parapet |
| <input type="checkbox"/> Catch Platform | | |

3. Fall protection system maintenance, inspection, assembly, and disassembly:

- Full body harness(es) and lanyard(s) will be properly stored, maintained, and inspected periodically and before each utilization.
- When utilized as a fall arrest system component, fall protection apparatus will be properly attached to an anchor which can withstand a 5,000 pounds force. Apparatus will be attached to: _____
- When a retractable lifeline or a shock-absorbing lanyard, that limits personnel impact exposure to nine hundred pounds, are utilized, the anchorage must be capable of withstanding a 3,000 pound impact force. Apparatus will be attached to: _____
- When utilized as a fall restraint system component, fall protection apparatus will be properly attached to an anchor which can withstand a force which is four (4) times greater than the intended load. Apparatus will be attached to: _____
- A horizontal lifeline will be of sufficient strength, properly designed and anchored; installed and utilized by qualified personnel; properly maintained and inspected before each use.
- An individual vertical will be of sufficient strength, properly anchored, installed by qualified personnel, properly maintained, and inspected before each use.

- A fall restraint attachment line will be of sufficient strength, properly anchored, installed by competent personnel, property maintained and inspected prior to each utilization.
- Retractable lifeline apparatus (fall arrest anchor which is capable of withstanding a 3,000 pounds force) or a rope-grab device (fall restraint anchor which is capable of supporting four (4) times the intended load) or a personnel positioning device (fall arrest anchor which is capable of-withstanding a 3,000 pounds impact load or twice the intended personnel load) will be properly designed, for the task demands, properly stored, maintained, installed by competent personnel, properly anchored and inspected prior to each utilization.
- A warning line or controlled access zone, comprised of suitable components, will be established, and erected by competent personnel before relevant elevated work activities commence and removed subsequent pertinent work activities completion.
- A competent person will inspect warning line system or controlled access zone components, as they are being stationed and at the beginning of each work session.
- The following personnel will personnel fall restraint safety monitor duties:

(Attach monitor(s) qualification document to this plan)

- An individual vertical will be of sufficient strength, properly anchored, installed by qualified personnel, properly maintained, and inspected before each use.
- Wall opening(s) will be properly guarded, with a standard guardrail and toe board.
- Floor opening(s) will be properly covered or protected with a standard guardrail system.
- Guardrails will be properly constructed, maintained in a safe condition, and inspected at timely and periodical intervals.
- When utilized as a fall protection system component, the structural parapet integrity will be insured, and the height will be a minimum of thirty-nine (39) inches above roof-level.
- Ladder(s) will be properly stationed, properly maintained and inspected prior to each utilization.
- Scaffolding will be properly maintained, inspected before each utilization, properly erected and stationed, by competent personnel, pursuant guidelines which have been promulgated by the scaffold manufacturer and applicable safety standards.
- An aerial lift will be properly maintained, inspected before each utilization, and safely operated by qualified personnel, pursuant guidelines which have been promulgated by the equipment manufacturer and applicable safety standards.
- A forklift-supported work platform will be designed and constructed for the intended purpose, properly secured to the hoisting mechanism, properly maintained, inspected prior to each utilization, and operated, pursuant applicable safety standards, by properly trained and qualified personnel.
- Catch platform(s) will be properly erected, by competent personnel, maintained and inspected prior to each utilization.

4. Tool, equipment and material storage, handling, and security:

- Personnel will store and carry hand tools in a tool belt or other appropriate container(s).
- A forklift, crane or aerial lift will be utilized to hoist heavy or bulky tools, equipment, or material into elevated work zone(s). That equipment will be inspected, prior to each utilization, properly maintained and operated by qualified personnel. The maximum rated- capacity will not be exceeded.
- Tools, material, and equipment will not be stored or stationed within six (6) feet of a roof's perimeter.
- An appropriate guardrail will be erected in the tool, material or equipment handling area(s).
- An appropriate access pathway will be constructed and properly maintained.
- An individual vertical will be of sufficient strength, properly anchored, installed by qualified personnel, properly maintained, and inspected before each use.

5. Personnel overhead hazard protection provisions:

- Personnel will utilize a hardhat.
- A safety zone will be established around and beneath elevated work area(s).
- Barricades will be erected around and beneath elevated work zone(s).
- Informational/warning signs will be stationed and properly maintained.
- Scaffolding, aerial lift(s) and catch platform(s) will be equipped with a toe board or another appropriate tool, equipment, supplies and material retention system.
- If indicated, personnel will provide verbal warning concerning overhead hazard exposure.

6. Personnel evaluation, treatment, and elevated work zone evacuation provisions:

- Supervisory personnel will evaluate the condition of a worker who has fallen, if indicated, will voluntarily, as a "Good Samaritan", administer first-aid and activate, by calling 911, the Emergency Medical System.
- The following equipment is available for utilization during an elevated work zone personnel rescue and evacuation:
 - [] Aerial lift
 - [] Forklift
 - [] Crane
 - [] Ladder
 - [] Self-rescue Device

A review and discussion of this Fall Protection Work Plan was conducted with relevant personnel.

Date

Supervisor

Portable Ladder

- Capable of supporting four (4) times the intended load.
 - Do not exceed maximum capacity.
- Rungs, cleats, and steps level, parallel and uniformly spaced.
- Rungs, cleats, and steps properly spaced, between 10 and 14 inches.
- Smooth component surfaces.
- Wooden ladder: paint application not allowed.
- Inspect prior to each utilization.
- Extension ladder: three (3) feet extension about top landing.
- Extension ladder: stationed at proper angle, one-quarter of the work length.
- Skid-resistant steps and rungs.
- Unless secured against displacement, stable and level footing.
- When used as a work platform or on a slippery surface, secured at the top and bottom.
- Safety zone established, if stationed in a doorway, driveway, or passageway.
- Top and bottom landing areas kept clear.
- Top step-type ladder step not utilized.
- While ascending or descending, face ladder and use both hands.
- Defective ladder removed from service, until repaired or replaced.
- Proper rack-type storage provided:
 - Prevent damage or sagging.
 - Prevent wooden ladder heat, moisture, or dampness exposure.
- Transport properly:
 - Secured to prevent chafing, abrasion, or road shock exposure.
- Special requirements for operations at or above twenty-five (25) feet elevation:
 - Use both hands, unless a safety belt and lanyard, secured to the ladder, are used.
 - If eye protection or respirator utilization is required, ladder work platform utilization is not approved.

Supported Scaffolding

- Designed by a qualified person. Constructed and loaded- according to that design.
- Erected, moved, altered, or dismantled by appropriate personnel.
 - Supervised and directed by a competent person.
 - Performed by experienced and properly trained personnel.
- inspect before each use or when circumstances dictate an additional inspection.
- Capable of supporting its own weight and four (4) times the intended load.
- Footings must be level, sound, rigid and capable of supporting the intended load, without settling or displacement.
 - Must bear on baseplates which rest on an adequate foundation, such as: dry compacted soil, mud sills or a concrete slab.
 - Unstable objects not used for footing support or as a work platform.
- Components plumb and braced to prevent swaying or displacement.
- Components produced by the same manufacturer, unless components fit together, without force, and structural integrity is maintained.
- During a storm or high wind velocity incident, utilization generally prohibited.
- Guardrail provided when the work platform is ten (10) or more feet above the surrounding surface.
 - Top rail located between 39 and 45 inches above work platform.
- Cross brace guardrail utilization requirements:
 - Midrail: brace pivot point is twenty (20) to thirty (30) inches above work platform level.
 - Toprail: brace pivot point is thirty-eight (38) to forty-eight (48) inches above work platform level.
 - The distance between brace end points, at each upright, does not exceed forty-eight (48) inches.
- Appropriate access provided. (Ladder, stairway-type ladder, ladder stand, stair tower, ramp, walkway, integral prefabricated scaffold access and direct access from another scaffold, personnel hoist or similar structure).
- Cross brace(s) shall not be used for access.

Supported Scaffolding

- Portable, hook-on, or attachable: access ladder specifications:
 - Rungs uniformly spaced.
 - Lower rung height: maximum of 24 inches above support surface.
 - Vertical separation: not to exceed 16.75 inches.
 - Horizontal width: minimum of 11.50 inches.
 - Rest platform requirement: 24 feet vertical intervals.
- Integral prefabricated scaffold end-frame access specifications:
 - Designed and constructed as ladder rungs.
 - Vertical separation: not to exceed 16.75 inches.
 - Horizontal width: minimum of 8.0 inches.
 - Rest platform requirement: 20 feet vertical intervals.
- During erection and dismantling operations, employer to determine if safe access is feasible or would pose a greater hazard to provide.
- Platform fully planked or decked, maximum of one (1) inch space between adjacent planks or uprights.
 - During the performance of erection and dismantling activities, planking, and decking requirement to be established by the employer.
- Minimum work-level platform width: eighteen (18) inches.
 - If platform width is less than the eighteen (18) inches, personal fall protection or guardrail required.
- Minimum ladder jack, pump jack, roof bracket and top plate bracket platform width: twelve (12) inches.
- Maximum of fourteen(14) inches of space between the platform and the work face.
 - Guardrail or personnel fall protection required If space exceeds fourteen (14) inches.
- A maximum of three (3)inches of space between an outrigger scaffold and the work surface.
- A maximum of eighteen (18) inches of space between platform and work surface, during plaster and lath operations.
- Platform, unless cleated or hooked, must extend a minimum of six (6),inches beyond support centerline.

Supported Scaffolding

- Cantilever action avoidance:
 - Platform length ten(10)or less feet: maximum of twelve (12) inch extension beyond support.
 - Platform length more than ten (10) feet: maximum of eighteen (18) inch extension beyond support.
- Overlapped platform planks, a minimum of twelve (12) inch overlap, unless nailed or restrained.
- Supported with guys, ties, or braces when height exceeds four (4) times the smallest base width.
 - Vertical supports (guys, ties, and braces) installed:
 - At twenty (20) feet Intervals when smallest base width Is three (3) feet or less.
 - At twenty-six (26) feet Interval when the smallest base width is three (3) feet or more.
 - Horizontal support provided at each end and at thirty (30) feet intervals.
- Observe appropriate clearance (generally ten (10) feet) between scaffold, tools, equipment, and power source(s).
- Unstable objects prohibited on top of the work platform to enhance personnel working height.
 - Except on a large area scaffold, a ladder not allowed to enhance personnel working height.
 - When a ladder is utilized on top of a scaffold work platform, the ladder(s)and scaffold must be properly secured.
- When loaded, platform deflection must not exceed 1/60th of the-platform span distance.
- Personnel fall protection required during erection and dismantling operations.
 - When fall protection is feasible and will not create a greater hazard.
 - Full body harness and lanyard.
 - Lanyard attached to vertical or horizontal lifeline or scaffold structural member.
- Falling object protection must be provided for scaffold occupant(s) and those working below.
 - Hardhat utilization required.
 - Area below scaffold barricaded to prevent personnel access, or:
 - Toe board, panel or screen material, canopy, debris net, catch platform etc. provided.
- Occupied mobile scaffold movement procedures:

Supported Scaffolding

- Stabilize the scaffold tower.
- Advise scaffold occupant(s).
- Apply manual force as close to the base as practicable and within five (5) feet of the supporting surface.
- The movement area is:
 - Within three (3) degrees of level.
 - Free of a pit, hole, or another obstruction.
- Personnel do not occupy an area which extends beyond the wheels, casters, or another support feature.
- When utilized, outrigger frames are installed on both sides of the unit.
- Suitable energized electrical component clearance must be maintained.
- Maintain extension-type tool and equipment clearance.
- Energized Electrical Component Clearances: 50 kV or less: 10 feet minimum
 - Between 50 kV and 200 kV: 15 feet minimum
 - Between 200 kV and 345 kV: 20 feet minimum
 - Between 345 kV and 500 kV: 25 feet minimum
 - Between 500 kV and 750 kV: 35 feet minimum
 - Between 750 kV and 1,000 kV: 45 feet minimum
 - Excess of 1,000 kV: Established by utility owner/operator or registered engineer.
- Personnel training:
 - Required for personnel who occupy a scaffold while performing work activities.
 - Required for personnel engaged in scaffold erection, disassembly, movement, operation, repair, maintenance, or inspection.

Aerial Lift

Self-propelled and boom-supported elevating work platform

- Qualified and authorized operator.
- Operator's manual available.
- Inspected, before each utilization.
- Controls properly marked and guarded against inadvertent operation.
- Equipped with:
 - a skid-resistant work platform.
 - a properly maintained parking brake.
 - a safety interlock device.
 - a free-descent control device.
 - an emergency descent control, located at ground level.
- Manufacturer's specification clearly displayed.
 - Operational warnings, cautions and restrictions.
 - Manufacturer's name and address.
 - Make, model and serial number.
 - Rated workload.
 - Maximum platform height
 - If applicable, battery voltage.
 - Notice to study operational/maintenance manual, prior to equipment operation.
- Survey operational area
 - Prior to and while elevating, lowering, or moving equipment
 - Prevent entanglement (rope, cord, hose. etc.) hazard exposure.
- Work platform stability maintained, in all configurations.
- Stabilization equipment utilized, pursuant manufacturer's recommendations/mandates.
- Maximum rated capacity displayed
 - Capacity not exceeded.

- Maintain stable and balanced footing.
 - When personnel utilize an aerial lift to access an elevated work zone and transfer from the lift to a floor or another surface, a fall protection harness and lanyard will be utilized and properly attached to a suitable structural anchor.
 - Personnel height enhancement (ladder, box, railing, etc.) prohibited.
- Guardrail (between 39 and 45 inches above the platform), midrail and toe board.
- Access opening properly guarded.
 - When occupied, access opening safety device maintained in the closed position.
- If applicable, battery charging activities performed in a well-ventilated area
- Boom-supported:
 - Occupant(s) must utilize a fall protection harness and lanyard.
 - Attach to manufacturer's provided anchor.
 - Equipped with a tilt hazard alarm.
 - Auxiliary operational controls located at ground-level.

Boom-supported Bucket-type Aerial Lift

- The equipment will be exclusively operated by properly trained and certified personnel.
- Occupant(s) will utilize a properly anchored fall protection harness and lanyard.
 - A lanyard will be attached to a manufacturer's provided anchor.
- Equipment stability will be properly maintained.
- The maximum rated capacity will be legibly displayed.
- The maximum rated capacity will not be exceeded.
- A perimeter guardrail system (bucket) will be provided and properly maintained.
- Controls will be appropriately labeled and guarded against inadvertent operation.
- Manufacturer's specifications will be legibly illustrated:
- Operation/maintenance manual will be stationed, in a suitable container, on the equipment.
- Prior to each utilization, the equipment will be inspected.
 - Defective apparatus will not be utilized.
- Prior to each operation, the operator will survey and evaluate the relevant work zone/ operational area.
 - Relative work zone levelness and stability will be established and maintained.
 - Higher velocity wind exposure will be avoided.
 - The operator will maintain proper clearance (ten (10) feet per 50 kV) between the equipment and energized electrical conductors.
- Platform occupant(s) will maintain stable platform floor footing.
 - Utilization of the perimeter guardrail, a ladder or another means of achieving additional vertical height is prohibited.
- During the performance of equipment raising, lowering, or moving activities, the operator will exercise caution in order to avoid an entanglement (hose, cord, etc.) hazard exposure.
- Reasonable platform cleanliness will be maintained.
- When not attended by authorized personnel, the equipment will be secured.

Yost Gallagher Construction
STANDARD OPERATING PROCEDURE
for the utilization of
RESPIRATORY PROTECTIVE DEVICES

A. Purpose:

The company recognizes and embraces an obligation to provide a safe and healthy work environment. This procedure is intended to enhance our safety commitment by providing proper equipment, training and ancillary services to our employees who work in an area where respiratory protective device utilization is required or when a device is voluntarily utilized.

B. Scope:

Whenever personnel utilize a respiratory protective device, the provisions of this procedure are applicable.

C. Responsibilities:

- **Managerial:**
 - Program promulgation, implementation, monitoring, enforcement and evaluation.
 - Selection, acquisition and issuance of appropriate respiratory protective devices.
 - Provide personnel training concerning the proper use and maintenance of respiratory protective apparatus.
 - Maintain program documentation.
 - Periodic and timely program evaluation and, if indicated, modification.
 - Prior to respiratory protective device issuance or utilization, coordinate, with relevant personnel, a suitable medical evaluation/examination protocol.
 - * Adopt an approved medical questionnaire, for the purpose of evaluating personnel who will utilize a respiratory protective device.
 - Mandate an annual personnel physical fitness and capacity evaluation.
 - Provide guidance concerning voluntary filtering face piece utilization.
- **Relevant Personnel:**
 - Proper respiratory protective device utilization.
 - Proper respiratory protective device maintenance, storage and sanitation.
 - Advise supervisory personnel concerning inappropriate device utilization, a device malfunction, and/or a medical or physical condition change which could adversely affect safe and efficient respiratory protective device utilization.

STANDARD OPERATING PROCEDURE
for the utilization of
RESPIRATORY PROTECTIVE DEVICES

D. Proper Respirator Usage

- Each relevant employee will participate in a qualitative respirator fit test upon implementation of this program and thereafter, at annual intervals.
- Each relevant employee will perform a qualitative user seal-check, as the apparatus is donned.

E. Medical Evaluation:

- Each pertinent employee will participate in a medical evaluation, to determine their physical fitness and capacity relative to the utilization of a respiratory protective device.
 - Subsequent medical evaluations will be performed, when:
 - * Workplace conditions change.
 - * A need for additional medical evaluation is identified by a supervisor, the program administrator or the program physician or other licensed health care professional (PLHCP).
 - * An employee indicates medical signs or symptoms related to the use of a respirator.

F. Workplace Condition Monitoring:

- Periodically, managerial personnel will inspect and evaluate worksite locations to ensure procedural compliance.
- Periodically, managerial personnel will inspect respirators.

G. Training

- A comprehensive employee training session, including practical proficiency exercises and a discussion of device performance limitations, will be conducted prior to implementation of this procedure.
 - Guidance concerning the voluntary use of a filtering facepiece (dust mask).
- At annual intervals, personnel recertification training will be conducted.

Respirator Fit Test Protocol (Irritant Smoke)

- Allow the test subject to smell a weak concentration of the irritant smoke.
- The test subject should don a respirator and wear it for a minimum of ten (10) minutes, before the fit test begins.
- Facial hair, between the skin and the facepiece, invalidates the test.
- Tests should be conducted in a properly ventilated area.
- Direct the test subject to perform the positive and negative pressure fit checks.
- The irritant smoke stream should be directed towards the face seal area, beginning at a distance of twelve (12) inches, away from the test subject's face, and gradually moving to within one (1) inch of the test subject's face.
- The test subject should be advised to perform the following exercises:
 1. Breathe normally.
 2. Breathe deeply. Verify that the breaths are deep and regular.
 3. Turn head all the way to both sides. Inhale on both sides.
 4. Move head up and down. Inhale when the head is in the full up position.
 5. Jog in place, for approximately twenty (20) seconds.
 6. Recite the Rainbow Passage:

"When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. The rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch, with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach, his friends say he is looking for a pot of gold, at the end of the rainbow".

- If the test subject detects any smoke, the test should be suspended and the respirator rejected, unless repositioning or other appropriate procedures provide a positive seal.
- Complete fit test documentation.

Qualitative Respirator Fit Test Record
Irritant Smoke

Date Test Conducted: _____

Test Subjects Name: _____

Social Security Number: _____

Test Conducted By: _____

Respirator Identification Information: Manufacturer: _____

Model Number: _____ Size: _____

Respirator positive/negative pressure test conducted: _____

TEST EXERCISES CONDUCTED

(Check appropriate line after each test has been completed)

Breathe Normally: _____ Breathe Deeply: _____

Head Movement (side to side): _____ Head Movement (up & down): _____

Recite "Rainbow Passage": _____ (1) Jog in Place: _____

- (1) "When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. The rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch, with its path high above and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond his reach, his friends say he is looking for a pot of gold, at the end of the rainbow".

Breathe Normally: _____

Signature of Tested Subject

Signature of Tester

Respirable Crystalline Silica Specified Exposure Control Methods

WAC 296-840-110
OSHA 1926.1153(c)(1)

Task/Equipment	Engineering and Work Practice Control Methods	Respiratory Protection	
		<4 hours	>4 hours
Stationary Masonry Saw:	Integrated water delivery system. Manufacturer's instructions.	None	None
Hand-held Power Saw:	Integrated water delivery system. Manufacturer's instructions. Exterior work zone: Interior/enclosed work zone:	None APF 10	APF10 APF10
Hand-held Power Saw: (Fiber-cement board with 8-inch blade or less)	Emission control system. Manufacturer's instructions. Suitable air flow, pursuant manufacturer. 99% filtration element efficiency. Exterior work zone:	None	None
Walk-behind Saw:	Integrated water delivery system. Manufacturer's instructions. Exterior work zone: Interior/enclosed work zone:	None APF10	None APF10
Hand-held and stand-mounted drill. (Impact and rotary hammer):	Shroud or cowling emission control system. Manufacturer's instructions. Suitable air flow, pursuant manufacturer. 99% filtration element efficiency. * Filtration element cleansing mechanism. Exterior work zone: Interior/enclosed work zone:	None None	None None
Jackhammer and hand-held chipping tool:	Point-of-impact water delivery system. Exterior work zone: Interior/enclosed work zone: or Shroud and emission collection system. Manufacturer's instructions. Suitable air flow, pursuant manufacturer. 99% filtration element efficiency. * Filtration element cleansing mechanism. Exterior work zone: Interior/enclosed work zone:	None APF10 None APF10	None APF10 APF10 APF10

Task/Equipment	Engineering and Work Practice Control Methods	Respiratory Protection	
		<4 hours	>4 hours
Hand-held mortar removal grinder:	Shroud and emission collection system. Manufacturer's instructions. Air flow: minimum 25 cubic feet per minute, per wheel diameter. 99% filtration element efficiency. * Filtration element cleansing mechanism.		
	Exterior work zone: Interior/enclosed work zone:	APF10 APF10	APF 25 APF 25
Hand-held non-mortar grinder:	Integrated water delivery system. Manufacturer's instructions. or Shroud and emission collection system. Manufacturer's instructions. Air flow: minimum 25 cubic feet per minute, per wheel diameter. 99% filtration element efficiency. * Filtration element cleansing mechanism.		
	Exterior work zone: Interior/enclosed work zone:	None None	None APF10
Walk-behind milling machine and floor grinder:	Integrated water delivery system. Manufacturer's instructions. or Manufacturer's emission collection system. Manufacturer's instructions. Suitable air flow, pursuant manufacturer. 99% filtration element efficiency. • Filtration element cleansing mechanism.		
	Interior/enclosed area: between passes, utilize a HEPA filtration element equipped floor vacuum. Exterior work zone: Interior/enclosed work zone:	None None	None None
Heavy equipment: (Hoe-ram, rock ripper, demolition activities)	Operated from within an enclosed cab. Personnel outside cab: apply water and/or emission suppressant.		
	Exterior work zone: Interior/enclosed work zone:	None None	None None
Drivable Saw:	Exclusively within an exterior work zone. Integrated water delivery system. Manufacturer's instructions.		
	Exterior work zone:	None	None

Task/Equipment	Engineering and Work Practice Control Methods	Respiratory Protection	
		<4 hours	>4 hours
Dowel drilling machine for concrete:	Exclusively within an exterior work zone. Shroud and emission collection system. 99% filtration element efficiency. Filtration element cleansing mechanism. During penetration cleansing, HEPA filtration element equipped vacuum utilized. Exterior work zone:	APF10	APF10
Vehicle-mounted rock/concrete drill machine:	Closed capture hood emission collection system. and Apply water to collector discharge. or Drill bit shroud and low-flow water spray. or Operate from within enclosed cab. and Apply water to drill bit. Exterior work zone: Interior/enclosed work zone:	None None	None None
Rig-mounted core saw or drill:	Integrated water delivery system. Manufacturer's instructions. Exterior work zone: Interior/enclosed work zone:	None None	None None
Small (less than one-half lane) drivable milling machine:	Equipped with supplemental water and surfactant spray system. In order to minimize emissions, properly operate and maintain machines. Exterior work zone:	None	None
Large (one-half lane and larger) drivable milling machine:	Exclusively for asphalt work: Equipped with drum enclosure exhaust ventilation and water spray systems. In order to minimize emissions, properly operate and maintain machines. Other, four (4) inches, in depth, or less, substrates: Equipped with drum enclosure exhaust ventilation and water spray systems. In order to minimize emissions, properly operate and maintain machines. or Equipped with supplemental water and surfactant spray system. In order to minimize emissions, properly operate and maintain machines. Exterior work zone:	None	None

Task/Equipment	Engineering and Work Practice Control Methods	Respiratory Protection	
		<4 hours	>4 hours
Crushing machine and related equipment:	Water spray delivery system. Manufacturer's instructions. Suitably ventilated operator or remote-control station enclosure. Exterior work zone:	None	None

Assigned Protection Factor (APF):

Paper Respirator: 10 APF Half-Mask: 10 APF Full Facepiece: 50 APF

Respirable Crystalline Silica

Applicability: Occupational exposure level above 25 micrograms per cubic meter of air/eight (8) hour Time Weighted Average (TWA).

Action Level: Airborne respirable crystalline silica concentration of 25 micrograms per cubic meter of air/eight (8) hour Time Weighted Average (TWA).

Permissible Exposure Limit: 50 micrograms per cubic meter of air/eight (8) hour Time Weighted Average **(TWA)**.

Short Term, (fifteen (15) minutes) Exposure Limit (STEL).
(Exclusively applicable to Washington State)

Exposure Assessment: Required for all potential occupational exposures, EXCEPT those listed in: WAC 296-840-110 and OSHA: 1926.1153(c)(1).

Exposure Control Methods:

- * Specific control methods: refer: WAC 296-840-110 or OSHA: 1926.1153(c)(1).
- * Exposure assessment * Engineering controls * Work practices.
- * Respiratory protection * Verifiable documentation that indicates personnel exposure level is maintainable below 50 micrograms per cubic meter of air/eight (8) hour Time Weighted Average (TWA).

Control measure implementation requirements:

- Interior/enclosed area:
 - In order to minimize visible airborne dust accumulation, utilize an exhaust ventilation system.
 - If applicable, ensure sufficient water injection flow rate.
- Enclosed cab or booth:
 - Maintained free of settled dust.
 - Door seal and closing mechanism properly maintained.
 - Gaskets and seals properly maintained and functional.
 - Positive pressure maintained with continuous fresh air induction.

Respirable Crystalline Silica

- Equipped with an air- intake filtration system with a 95% efficiency rating in the .30-1.0 micrometer range= Minimum Efficiency Reporting Value (MERV)-16 rating.
- Heating and cooling capability.

Exposure Control Methods: (NOT APPLICABLE TO CONSTRUCTION ACTIVITIES)

- Regulated area.
 - Established when personnel are exposed above the Permissible Exposure Level (PEL).
 - Warning/informational sign(s) displayed.
 - Regulated area access:
 - Limited to authorized personnel, except:
 - Designated personnel representative(s) or monitor.
 - Authorized regulatory agency personnel.
 - Respiratory protective device utilization mandatory.

THE FOLLOWING REQUIREMENTS ARE NOT APPLICABLE TO THOSE TASKS WHICH ARE LISTED IN AND PERFORMED PURSUANT 296-840-110 and OSHA:

1926.1153(c)(1).

- Engineering controls, work practices or respiratory protection not completely or feasibly implemented:
 - Permissible exposure limit shall not exceed 50 micrograms per cubic meter of air/eight (8) hour Time Weighted Average (TWA).
- Exposure assessment:
 - Required for personnel who are or may be exposed at or above the action level.
 - Performance Option:
 - Air analysis data or objective data sufficient to accurately characterize personnel exposure.
 - or-
 - Scheduled Monitoring Option:
 - Initial personnel breathing zone air sample that reflects potential exposure.

Respirable Crystalline Silica

- Each work shifts.
- Each work area or classification.
- Highest level representative samples permitted.
- Initial analysis indicates personnel exposure below action level:
 - Additional monitoring is not required.
- Initial analysis indicates personnel exposure at or above action level:
 - Additional monitoring required with a six (6) months' time- period.
- Initial analysis indicates personnel exposure is above the Permissible Exposure Level:
 - Additional monitoring required within a three (3) month time period.
- Non-initial monitoring indicates personnel exposure is below the action level:
 - Additional monitoring required with a six (6) months' time- period.
 - Two (2) consecutive measurements, taken with a seven (7) or more days separation, indicate personnel exposure is below the action level.
 - Additional monitoring is not required, unless:
 - Production, process, control equipment, personnel or work practice are revised.

Employee Assessment Results Notification Requirements:

- Required within five (5) days (construction) or fifteen (15) days (other occupations) subsequent exposure assessment.
- Written format.
- Exposure assessment indicates exposure level above Permissible Exposure Limit:
 - An exposure reduction plan provided, in a written format, to relevant personnel.
- Relevant personnel or representative(s) may observe air monitoring procedures.

Respirable Crystalline Silica

- Suitable protective clothing/equipment provided to observer(s).

Compliance Methods:

- Engineering and work practice controls:
 - Reduce and maintain personnel exposure at or below the Permissible Exposure Level.
 - When suitable engineering or work practice controls are not feasible:
 - Implementation is required in order to reduce the exposure level to the lowest feasible level.
 - Respiratory protection supplementation.

Respiratory Protection Requirements:

- Specified in WAC 296-840-110 and OSHA: 1926.1153(c)(1).
- When engineering controls and work practices have not been fully or properly implemented.
- When exposure exceeds the Permissible Exposure Limit during feasible engineering or work practice control installation or implementation periods.
- When personnel exposure exceeds the Permissible Exposure Limit during the performance of maintenance or repair activities for which engineering, and work practice controls are not feasible.
- Subsequent implementation of insufficient engineering and work practice controls that fail to reduce exposure below the Permissible Exposure Limit.

Housekeeping Requirements:

- Dry sweeping or brushing are prohibited, unless wet sweeping, a High Efficiency Particulate Air (HEPA) filtration system equipped vacuum or another method that minimizes emissions are not feasible.
- Compressed air utilization prohibited, unless used in conjunction with a ventilation system that effectively captures the emission.

Exposure Control Plan Requirements:

- Written format.
- Relevant task description(s).

Respirable Crystalline Silica

- Engineering controls, work practices and respiratory protection procedures.
- Housekeeping measures description.
- Restricted relevant work zone access procedures.
- At yearly time-intervals, reviewed and, if indicated, revised.
- Documentation available for examination and duplication by:
 - Relevant personnel and/or designated representative(s).
 - Regulatory agency representative(s).
- WAC 296-840-140: Additional construction requirements:
 - A description of the procedures that will be implemented in order to restrict relevant work zone personnel access in order to minimize the number of personnel who may be exposed and their potential exposure level.
 - Competent person assignment:
 - In order to establish and implement the exposure control plan, perform periodic and timely job site, material and equipment inspections.

Medical surveillance program applicability and requirements:

- Personnel engaged in construction work activities:
 - Respirator utilization required within an annualized thirty (30) daytime-period.
- Performance of non-construction related work activities when potential exposure is at or above the action level or Short-Term Exposure Level within an annualized thirty (30) daytime-period.
- Examination performed by a physician or other licensed health care provider.
- Initial (baseline) examination:
 - Subsequent initial relevant work assignment, within a thirty (30) day time- period limitation.
 - If a relevant individual was subjected to a compliant examination, within the previous three (3) year timeframe, an additional examination is not required.

Respirable Crystalline Silica

- Periodical medical examination:
 - Three (3) year time-intervals
 - Frequency enhancement pursuant to a physician or licensed medical professional recommendation or mandate.

Hazard communication requirements:

- Included in hazard communication program.
- Personnel access to the following:
 - Container label.
 - Safety Data Sheet (SDS).
 - Training:
 - A regulatory agency regulation review and discussion.
 - Health hazards associated with exposure.
 - Possible cancer risk.
 - Negative lung, immune system and kidney effects.
 - Specific work zone tasks that could result in exposure.
 - Information concerning specific exposure control measures that have been implemented.
 - Information concerning the medical surveillance program.
 - Regulatory agency regulation availability.
 - Information concerning the program administrator.
- Regulated area warning/informational display placard content:

DANGER
RESPIRABLE CRYSTALLINE SILICA
MAY CAUSE LUNG CANCER
CAUSES DAMAGE TO LUNGS
WEAR RESPIRATORY PROTECTION IN THIS AREA
AUTHORIZED PERSONNEL ONLY

Respirable Crystalline Silica

If applicable, program recordkeeping requirements:

- Atmospheric analysis and monitoring data:
 - Sample date.
 - Relevant work task(s).
 - Sampling and analysis method utilized.
 - Number, duration and sample results.
 - Name and job classification of affected personnel, including information concerning individual(s) who were monitored.
- Objective data:
 - The relevant crystalline silica containing material.
 - Testing protocol and results.
 - A task, process, activity, material or exposure description on which the exposure data was based.
 - Other relevant tasks, process, activity, material or exposure data.
- Medical Surveillance:
 - Name of relevant individual(s).
 - Copy of the physician's, licensed medical professional's or specialist's written medical opinion.
 - A copy of the information that was provided to the physician, licensed medical provider or specialist.
 - Personnel medical and exposure records maintained for a thirty (30) year time period.

Asbestos

- Substances which may contain asbestos fibers:
 - Acoustical products
 - Insulation
 - Cementitious materials
 - Roofing materials
 - Flooring materials
 - Paints and coatings
 - Ceiling tile
 - Fireproofing materials
 - Gasket materials
 - caulks
 - Adhesives
 - Plaster
 - Joint compound
 - Stucco
 - Mastic
 - Putty
 - Spackle
 - Paper products
 - Textiles
 - Wallcovering
 - Fire brick
- Avoid disturbing asbestos containing material...avoid cutting, drilling, grinding, sanding, gouging, crumbling, pulverizing, etc.
- Property/facility/building/structure owner or agent must perform an inspection of the work site to determine whether work activities will be performed on material(s) which contain asbestos.
 - A written report must be prepared and provided to the bidding contractor(s).
 - Work activities shall not begin before that written report is received by the contractor.
- Asbestos abatement activities must be performed by properly trained and certified personnel.
- At multi-employer worksites, an employer performing asbestos work requiring the establishment of a regulated work area must notify other employers at the site concerning the nature of the asbestos work activities, the existence of a regulated area and the hazards associated with work activities involving material which contains asbestos fiber.
 - Notified employers must provide information and training to their employee(s) concerning actual or potential hazards associated with asbestos fiber exposure.
- Access to regulated area(s) is restricted to properly trained and certified personnel.
- Employees shall not be exposed to an airborne concentration of asbestos in excess of 0.2 fiber (WISHA) or 0.1 fiber (OSHA) per cubic centimeter of air, as an eight (8) hour time-weighted average (TWA).
- Employees shall not be exposed to an airborne concentration of asbestos in excess of 1.0 fiber per cubic centimeter of air, as averaged during a fifteen (15) minute (WISHA) or thirty (30) minute (OSHA) sampling period.

LEAD

- **APPLICATION:**

- Structural demolition or salvage activities where lead or material containing lead are present.
- Removal or encapsulation of material containing lead.
- New construction, alternation, repair or renovation of structures, substrates or portions thereof, that contain lead or material containing lead.
- Installation of products which contain lead.
- Emergency cleanup of material which contains lead.
- Transportation, disposal, storage or containment of lead or material which contains lead.
- Maintenance operations.

- **ACTION LEVEL:**

- 30 microgram per cubic meter of air, calculated as an eight (8) hour time- weighted average (TWA).

- **PERMISSIBLE EXPOSURE LIMIT (PEL):**

- Greater than fifty (50) micrograms per cubic meter of air, averaged over an eight (8) hour period.
- Respiratory protection may be utilized to lower the exposure level below the maximum Permissible Exposure Level (PEL) and for calculation of the Time Weighted Average (TWA).

- **EXPOSURE ASSESSMENT:**

- Employers must determine if a potential personnel exposure may occur.
 - Information, observation or calculation which would indicate employee exposure.
 - Previous or present measurements of airborne lead.
 - Employee complaints of symptoms which may be attributable to lead exposure.
- Exposure which would occur if personnel did not wear a respirator.
- Personal air sample representative of a full work shift, for each job classification, in each

LEAD

work area or the area(s) with the highest exposure potential.

- Interim employee protection is required, during the exposure assessment process:
 - Appropriate respiratory protection.
 - Personal protective clothing and equipment.
 - Employee training
 - Clothing change area.
 - Hand washing facilities.
 - Biological monitoring
 - Subsequent to a **positive** (at or above the action level) initial determination and monitoring procedure:
 - Each employee's potential exposure must be evaluated.
 - Additional monitoring and assessment procedures may be required at three (3) or six (6) month intervals.
 - Subsequent to a **negative** (at or below the action level) initial determination and monitoring procedure:
 - Determination date, worksite location and name and social security number of each monitored employee must be documented.
 - Subsequent monitoring and assessment not required, unless equipment, process, control, personnel or suspected change occurs which may result in a new or additional exposure.
 - Written employee notification must occur within five (5) working days, following the exposure assessment.
-
- **COMPLIANCE METHODS:**
 - Engineering and work practice controls, including administrative controls, are required when personnel are exposed to a lead level above the Permissible Exposure Limit (PEL).
 - Administrative Controls:
 - Task rotation schedule.
 - Name or identification number of relevant employee(s).
 - Duration and exposure level at each job or workstation where

LEAD

each affected employee is located.

- Information which may be useful in assessing the reliability of administrative controls to reduce personnel lead exposure.
- Supplemented using respiratory protection, if required, to reduce exposure to a level at or below the Permissible Exposure Limit (PEL).
- **Written compliance plan.**
 - Available at the work site.
- **Respiratory protection:**
 - **Utilization requirements:**
 - Personnel exposure exceeds Permissible Exposure Limit (PEL).
 - Subsequent to an employee's request.
 - During the exposure assessment period.
 - Properly selected to provide appropriate personnel protection determined by the airborne concentration of lead.
 - Properly fitted in order to minimize facepiece leakage.
 - Personnel tested, prior to an initial work assignment and thereafter at six (6) month intervals. in order to verify a proper facepiece seal.
 - Personnel medically evaluated, when required.
 - Filter changed when an increase in breathing resistance is detected.
 - Adequate filter supply, in the work area.
 - Time allowance for face and respirator cleansing.
 - Written program instituted.
- **Protective clothing and equipment:**
 - Required when personnel exposure is above the Permissible Exposure Limit (PEL).

LEAD

- Coveralls or similar full-body clothing.
- Gloves, hat, shoes or disposal shoe coverlets.
- Face shield or vented goggles.
- Maintained in an effective, clean and dry condition.
- Removed at the completion of work activities.
- Clothing to remain in clothing change area, pending placement into a labeled, ("Clothing contaminated with lead. Do not remove dust by blowing or shaking. Dispose of lead contaminated wash water in accordance with applicable local, state and federal regulations"), and a closed container.
- Laundry and cleaning personnel must be advised, in a written format, concerning the container contents and the hazards associated with lead exposure.
- Removal of lead from clothing or equipment by blowing, shaking or any other means, which disperses lead into the air, is prohibited.
- **Housekeeping:**
 - Surfaces maintained as free of lead accumulation as possible.
 - HEPA filter equipped vacuum utilized to remove lead accumulation, whenever feasible.
 - Used and emptied in a manner which minimizes the reentry of lead into the work area.
 - Compressed air is not used to clean surfaces, unless in conjunction with an appropriate ventilation system.
- **Hygiene Facilities and Practices:**
 - Required when personnel exposure exceeds Permissible Exposure Limit (PEL).
 - Food, beverage, tobacco product and cosmetic not present or utilized.
 - Clothing change area provided and maintained in a clean condition.
 - Separate work and street clothing storage areas.

LEAD

- Shower facility, cleansing supplies and towels provided, if feasible.
- Non-contaminated lunchroom facility provided.
- Hand and face washing facilities provided, and cleansing activities required at the end of each work shift and prior to food or beverage consumption, tobacco utilization or cosmetic application.
- **Employee Information and Training:**
 - Required when personnel are exposed to lead at or above the action level, during any time period.
 - Conducted prior to initial job assignment or startup date, whichever is the latter.
 - Annual refresher training is also required.
 - **Training program training content:**
 - Review information contained in the regulatory standard.
 - The nature of the operation which could result in exposure to lead, above the action level.
 - The purpose, proper selection, fit, use and limitation of a respirator.
 - Review of the medical surveillance and removal protection program.
 - Information concerning the adverse health effects associated with excessive exposure to lead.
 - Minimize utilization of chelating agents.
 - Exclusively under the direction of a qualified physician.
 - Review of established engineering controls and work practices.
 - Personnel compliance with applicable work practices.
 - Review the compliance plan, if applicable.
 - Review information concerning personnel access to relevant records and documentation.

LEAD

- **Warning/Information Display Sign:**

**DANGER
LEAD WORK AREA
MAY DAMAGE FERTILITY OF THE UNBORN CHILD
CAUSES DAMAGE TO THE CENTRAL NERVOUS SYSTEM
DO NOT EAT, DRINK OR SMOKE IN THIS AREA**

- Maintained in legible condition and properly illuminated.
- Required in each work area where personnel are exposed to a lead level that is above the Permissible Exposure Limit (PEL).

Think Sheet

Polychlorinated Biphenyls (PCB)

General Information:

- Manufacturers were banned in 1978.
- Clear to yellow oily liquid or waxy solid.
- May be present in electrical apparatus, such as... transformers, capacitors, switches, ballasts, etc.
- Regulated by safety, health and transportation agencies.
- Carcinogen (may incite or produce cancer within some parts of the body).
- May be absorbed through the skin.
 - May cause "acne-like" skin rash.
 - May cause skin cancer.
- Exposure to vapor may irritate the eyes, nose and throat.
- May enter the body by inhalation.
- Repeated exposure may cause liver damage.
- May cause reproductive system damage.
- High exposure levels may damage the central nervous system.
- **Personnel Protection:**
 - Full body protective clothing, including footwear, gloves and eye/face protection.
 - Post hazard and warning informational signs, in potential exposure area(s).
 - Provide suitable ventilation.
 - Respiratory protection (organic vapor cartridge)
 - * Written company policy and procedure.
 - * Employee training.
 - * Yearly employee medical examination.
 - * Proper employee fit testing.
 - Wash thoroughly, if exposed and before eating or smoking.
 - Availability of emergency shower facilities may be required.
 - If exposure is suspected, a medical examination and physical evaluation may be required.

Polychlorinated Biphenyls (PCB)

- **Spill Emergencies Response Procedures:**
 - Notify the local fire department or emergency response provider.
 - Restrict entry into the contaminated area.
 - Ventilate the contaminated area.
 - Contain and absorb spilled liquid in a suitable absorbent material.
 - Arrange for proper cleanup, transportation and disposal, as a hazardous material.
 - Utilization of a spill containment and disposal kit may be necessary.

- **PCBs in Fluorescent Light Fixtures**
 - Unless marked with a "No PCBs" label, assume ballast contains PCBs.
 - Thoroughly inspect ballast to determine if it is seeping or leaking.
 - If a seep or leak is detected:
 - Vacate the area.
 - Provide appropriate ventilation.
 - Utilize respirator(s), with an organic vapor cartridge.
 - Utilize protective gloves (neoprene, butyl or nitrile).
 - Depending on the conditions, utilize goggles, face shield, rubber apron or other protective clothing.
 - Disconnect power supply to the fixture.
 - Cautiously remove the defective ballast.
 - Conduct appropriate spill containment and cleanup.
 - Wipe nonabsorbent surfaces with cloth or paper rag(s) or towel(s).
 - If PCBs have hardened, scrape nonabsorbent surfaces with a putty knife.
 - Avoid smearing PCBs.

Polychlorinated Biphenyls (PCB)

- Clean contaminated areas with an appropriate solvent or detergent. (Mineral spirits, deodorized kerosene, turpentine, rubbing alcohol, full strength Spic'n Span, Soilex, etc.).
- Absorbent materials, (carpets, drapes, fabrics, insulation, etc.), should be carefully removed and properly disposed.
- Minimize the use of cleaning supplies and other supplies to reduce the volume of waste material.
- Contaminated material, including cleaning supplies and personal protective equipment, should be placed in absorbent material, (crumpled newspapers, sawdust, kitty litter, vermiculite, etc.), and then placed in a double thickness plastic bag or approved metal disposal drum.
- The contaminated material should be presented to a certified transporter, for proper transportation and disposal, at an approved disposal site.
- The container of contaminated material should be properly labeled. The Federal Department of Transportation number for PCBs is: UN 2315.
- The transporter will placard the load.
- Personnel should thoroughly wash or shower following an exposure incident or when involved in cleanup/disposal activities.

Yost Gallagher Construction

Respirable Crystalline Silica Exposure Control Plan

Construction Task Description:

- Cement Board Saw
- Stationary Masonry Saw
- Hand-held Power Saw
- Walk-behind Saw
- Roto-Hammer
- Jackhammer
- Hand-held Mortar Grinder
- Hand-held Non-Mortar Grinder
- Heavy Equipment
- Walk Behind Milling Machine and Floor Grinder
- Other: _____

Engineering Controls, Work Practices and Respiratory Protection: (refer: WAC: 296840140 or OSHA: 29CFR 1926.1153(c)(1))

- Water Injection
- Manufacturer Recommendation Compliance
- Exterior Location(s)
- Interior Location(s)
- Interior Work Zone Ventilation
- Emission Control System
- Penetration(s) Cleansed with HEPA Filtration System Equipped Vacuum
- Assigned Protection Factor (APF) Respiratory Protective Device Utilization:
 - Not Required
 - Paper-type: (APF 10)
 - Half-Mask: (APF 10)
 - Full Face: (APF 50)

Housekeeping Procedures:

- Wet Method
- HEPA Filtration System Equipped Vacuum

Relevant Work Zone Access Restriction(s):

- Warning/Informational Sign(s) Posted
- Perimeter safety Zone Established/Maintained

Job Site, Material and Equipment Inspection Documentation:

Project Name: _____

Periodic Inspection Date: _____ Inspection Performed By: _____

Plan Implementation Date: _____

(Annual Plan Review/Revision Required)

Yost Gallagher Construction

Respirable Crystalline Silica Exposure Control Plan

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- Emission Control System
- Penetration(s) Cleansed with HEPA Filtration System Equipped Vacuum
- Assigned Protection Factor (APF) Respiratory Protective Device Utilization:
 - Not Required
 - Paper-type: (APF 10)
 - Half-Mask: (APF 10)
 - Full Face: (APF 50)

Housekeeping Procedures:

- Wet Method
- HEPA Filtration System Equipped Vacuum

Relevant Work Zone Access Restriction(s):

- Warning/Informational Sign(s) Posted
- Perimeter safety Zone Established/Maintained

Job Site, Material and Equipment Inspection Documentation:

Project Name: _____

Periodic Inspection Date: _____ Inspection Performed By: _____

Plan Implementation Date: _____

(Annual Plan Review/Revision Required)

Wildfire Smoke

Introduction

Employers with employees who are reasonably anticipated to be exposed to wildfire smoke on the job are required by Washington Administrative Code (WAC) 296-62-085 to include wildfire smoke protection in their written accident prevention program.

The following workplaces and operations are exempt from this rule:

- Enclosed buildings or structures in which the employer ensures that windows, doors, bays, and other exterior openings are kept closed, except when it is necessary to open doors to enter and exit.
- Enclosed vehicles in which the air is filtered by a cabin air filter and the employer ensures that windows, doors, and other openings are kept closed except when it is necessary to open doors to enter or exit.
- Employees exposed to a concentration of PM_{2.5} of 20.5 µg/m³ (Washington Air Quality Advisory[WAQA] 101, Air Quality Index [AQI] 69) or more for a total of one hour or less during a shift.

Identification of harmful exposures

The employer shall determine employee exposure to PM_{2.5} for worksites covered by this section before each shift and periodically thereafter, as needed to protect the health of the employee, by one of the following methods (Management will determine the best information site prior to smoke season.)

Online/mobile resources

- Washington Air Quality Advisory – web/mobile app. Google this website and download the mobile app for use in determining AQI for your jobsite.
- Washington Smoke Information – web
- U.S. Environmental Protection Agency (EPA) AirNow – web/mobile app
- U.S. Forest Service AirFire – web
- Local Clean Air Agency – web
 - EXCEPTION: The employer does not have to determine employee exposure as required by this subsection if the employer assumes the NowCast PM_{2.5} is more than 55.5 µg/m³ (WAQA 173, AQI 151) and uses that assumption to comply with the requirements in WAC 296-62-085.
- If the AQI is in the green, no protective measures are required unless requested by the worker.
- The Washington Air Quality Advisory app is intuitive enough to determine the level of pollutants and required protective devices that may be necessary.

Hazard communication

For any worksite covered by this section, the employer must establish and implement a system for communicating wildfire smoke hazards in a form readily understandable by all affected employees, including provisions designed to encourage employees to inform the employer of wildfire smoke hazards at the worksite without fear of reprisal.

Informing employees

When wildfire smoke is predicted in the forecast for the areas, we are currently working in we will inform our employees via mass text or through our foremen prior to the workday or the hazards pending.

The following are examples of when we would send out this notification and what it will include:

- When at least two consecutive NowCast PM2.5 readings are 20.5 $\mu\text{g}/\text{m}^3$ or more, and
- When the NowCast PM2.5 is 55.5 $\mu\text{g}/\text{m}^3$ or more, and
- Available protective measures to reduce employees' wildfire smoke exposure.

Encouraging employees to report wildfire smoke hazards and symptoms

We fully encourage anyone to notify management of a wildfire smoke hazard at any time. We are aware that some of the monitoring systems have a 1-to-2-hour lag in their systems and appreciate everyone's assistance in ensuring the safety and health of our workers.

Some of the symptoms that workers may experience during a wildfire smoke episode are as follows:

- Difficulty breathing
- Scratchy throat/hoarseness
- Coughing
- Vision impairment
- Headache
- Acute mental status changes

Information and training

Prior to Wildfire season annually, Yost Gallagher Construction will provide information relevant to wildfire smoke and review who will be responsible for monitoring and reporting issues.

Employee training

Employees will be provided information via a Toolbox Talk on the following in addition to the Washington LNI Training Video

- Where to find information about wildfires in your work area (Geographic Area)
- The Emergency procedures if smoke inhalation occurs
- How to protect yourself from wildfire smoke
- Who to report conditions or incidents to
- Who is responsible for the additional PPE required

Supervisor training

Supervisors may request additional training, as needed for the following:

- How to create an emergency plan for wildfire situations
- How to monitor employees during wildfire smoke season for symptoms
- How to track and report smoke levels in their geographic area to their workers and to management
- How and when to execute an evacuation plan
- How to transport affected employees in an emergency

Exposure symptom response

Employees displaying adverse symptoms of wildfire smoke exposure must be monitored to determine whether medical attention is necessary.

We will allow employees who show signs of injury or illness due to wildfire smoke exposure to seek medical treatment.

We will also have effective provisions made in advance for prompt medical treatment of employees in the event of serious injury or illness caused by wildfire smoke exposure.

Some of the provisions we will have on every site are as follows:

- Wet cloths
- A humidifier
- Eye drops and eye wash fluids
- Aspirin
- Those with health issues such as COPD, Asthma, and heart disease will communicate with management and create an action plan that works with their doctor's recommendations.

Exposure controls

Where the NowCast PM_{2.5} is 20.5 µg/m³ (WAQA 101, AQI 69) or more, we will recommend all personnel with health issues take precautions and additional breaks along with providing Respirators N95 masks for all employees to assist in the filtration of the air.

Where the NowCast PM_{2.5} is 55.5 µg/m³ (WAQA 173, AQI 151) or more, we WILL implement employee exposure controls whenever feasible.

- Providing enclosed buildings, structures, or vehicles where the air is adequately filtered
- Providing portable HEPA filters in enclosed areas
- Relocating work to a location with a lower ambient air concentration of PM_{2.5}
- Changing work schedules to a time with a lower ambient air concentration of PM_{2.5}
- Reducing work intensity
- Providing additional rest periods

Respiratory Protection

Please refer to the company Respirator Policy.

PART I-3—WILDFIRE SMOKE

NEW SECTION

WAC 296-62-085 Wildfire smoke.

NEW SECTION

WAC 296-62-08510 Purpose and scope. (1) This standard applies to workplaces where the employer should reasonably anticipate that employees may be exposed to a PM_{2.5} concentration of 20.5 µg/m³ (Air Quality Index 69) or more for wildfire smoke.

(2) The following workplaces and operations are exempt from this section:

(a) Enclosed buildings or structures in which the employer ensures that windows, doors, bays, and other exterior openings are kept closed, except when it is necessary to briefly open doors to enter and exit.

(b) Enclosed vehicles in which the air is filtered by a properly maintained cabin air filter and the employer ensures that windows, doors, and other openings are kept closed except when it is necessary to briefly open doors to enter or exit.

(c) Employees exposed to a PM_{2.5} concentration of 20.5 µg/m³ (Air Quality Index 69) or more for a total of one hour or less during a 24-hour period.

(d) Work within the scope of chapter 296-305 WAC, Safety standards for firefighters.

Notes: - Buses, light rail, and other enclosed vehicles used for transit systems where doors are frequently opened to board and disembark passengers are not included under the exemption in WAC 296-62-08510 (2)(b).

- Employers are not responsible for tracking employee exposure outside of working hours.

NEW SECTION

WAC 296-62-08520 Definitions. Air Quality Index (AQI). A unitless index used by the U.S. Environmental Protection Agency (EPA) to communicate air quality for several pollutants, including PM_{2.5}. References to the AQI used throughout this chapter means "AQI for PM_{2.5}".

Current PM_{2.5}. The concentration of PM_{2.5} for the most current hour available, calculated using an hourly average of PM_{2.5} data.

Notes: - The NowCast as provided by the Washington state department of ecology, local clean air agency, or U.S. EPA is also acceptable to approximate current PM_{2.5}.

NIOSH. The National Institute for Occupational Safety and Health of the U.S. Centers for Disease Control and Prevention. NIOSH tests and approves respirators for use in the workplace.

NowCast. The method used by the U.S. Environmental Protection Agency (EPA), and the Washington state department of ecology to approximate the air quality for the most current hour available by using a calculation that involves multiple hours of past data. The NowCast uses longer averages during periods of stable air quality and shorter averages when air quality is changing rapidly, such as during a wildfire. The NowCast is generally updated every hour.

PM_{2.5}. Solid particles and liquid droplets suspended in air, known as particulate matter, with an aerodynamic diameter of 2.5 micrometers or smaller. Measured in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

Wildfire smoke. Emissions from fires in wildlands or in adjacent developed areas. Wildfire smoke contains a complex mixture of gases and particulates. Fine particulates such as PM_{2.5} are the primary pollutant in wildfire smoke.

Wildlands. Sparsely populated geographical areas covered primarily by grass, brush, trees, crops, or combination thereof.

NEW SECTION

WAC 296-62-08530 Identification of harmful exposures. The employer must determine employee exposure to PM_{2.5} for worksites covered by this section before each shift and periodically thereafter, as needed, by any of the following methods:

(1) Check PM_{2.5} forecasts and the current PM_{2.5} from any of the following:

- (a) Washington department of ecology website.
- (b) Air Quality WA mobile app.
- (c) Washington Smoke Information website.
- (d) U.S. EPA AirNow website.
- (e) U.S. EPA AirNow mobile app.
- (f) U.S. Forest Service AirFire website.
- (g) Local Clean Air Agency website; or

(2) Obtain PM_{2.5} forecasts and the current PM_{2.5} directly from the department of ecology, local clean air agency, U.S. EPA, U.S. EPA EnviroFlash.info, or local clean air agency by telephone, email, text, or other effective method; or

(3) Measure current PM_{2.5} levels at the work location in accordance with Appendix A of this part.

Note: Employers must check the current PM_{2.5} in a manner that they are able to comply with the requirements in WAC 296-62-085. The current PM_{2.5} is updated hourly.

If an index such as the AQI is relied upon, use the following table to find the equivalent PM_{2.5}.

PM _{2.5} in Micrograms per Cubic Meter ($\mu\text{g}/\text{m}^3$)	Air Quality Index for PM _{2.5} (AQI)
20.5 $\mu\text{g}/\text{m}^3$	69
35.5 $\mu\text{g}/\text{m}^3$	101
555 $\mu\text{g}/\text{m}^3$	Beyond the AQI

Note: The employer does not have to determine employee exposure as required by this subsection if the employer assumes the current PM_{2.5} is 35.5 µg/m³ (AQI 101) or more and uses that assumption to comply with the requirements in WAC 296-62-08540 (1)(b), 296-62-08570(2), and 296-62-08580(2).

NEW SECTION

WAC 296-62-08540 Hazard communication. For any worksite covered by this section, the employer must establish and implement a system for communicating wildfire smoke hazards in a form readily understandable by all affected employees, including provisions designed to encourage employees to inform the employer of wildfire smoke hazards at the worksite without fear of reprisal.

The system shall include effective procedures for:

(1) Informing employees:

(a) When at least two consecutive current PM_{2.5} readings as identified in WAC 296-62-08530 are 20.5 µg/m³ (AQI 69) or more; and

(b) When the current PM_{2.5} as identified in WAC 296-62-08530 is 35.5 µg/m³ (AQI 101) or more; and

(c) When the current PM_{2.5} as identified in WAC 296-62-08530 is 55.5 µg/m³ (beyond the AQI) or more; and

(d) Protective measures available to employees to reduce their wildfire smoke exposures.

(2) Enabling and encouraging employees to inform the employer of:

(a) Worsening air quality; and

(b) Availability issues of appropriate exposure control measures and respiratory protection required by this standard; and

(c) Any adverse symptoms that may be the result of wildfire smoke exposure such as, but not limited to, asthma attacks, difficulty breathing, and chest pain.

(3) A wildfire smoke response plan must be included in the written accident prevention program. The wildfire smoke response plan must be tailored to the workplace and include at least the following elements:

(a) Information on the health effects of wildfire smoke.

(b) Information on employee rights to obtain medical treatment without fear of reprisal.

(c) How employees can obtain the current PM_{2.5};

(d) The requirements of WAC 296-62-085 Wildfire smoke.

(e) The employer's response plan for wildfire smoke includes the employer's methods to protect employees from wildfire smoke.

(f) The importance, limitations, and benefits of using a properly fitted respirator when exposed to wildfire smoke.

(g) How to properly put on, use, and maintain the respirators provided by the employer.

NEW SECTION

WAC 296-62-08550 Information and training. The employer must provide all workers with effective information and training regarding wildfire smoke before work that exposes the worker to a PM_{2.5} concentration

of 20.5 µg/m³ (AQI 69) or more, and at least annually there- after.

(1) Information and training must be provided in a manner and language readily understood by the workers.

(2) At a minimum, the training must include the information in Appendix B:

(a) The health effects of wildfire smoke; and

(b) The right to obtain medical treatment without fear of reprisal; and

(c) How employees can obtain the current PM_{2.5}; and

(d) The requirements of WAC 296-62-085 Wildfire smoke; and

(e) The employer's response plan for wildfire smoke including methods to protect employees from wildfire smoke; and

(f) The importance, benefits, and limitations of using a properly fitted respirator when exposed to wildfire smoke; and

(g) How to properly put on, use, and maintain the respirators provided by the employer.

(3) Supervisor training. Prior to supervising employees performing work that exposes the worker to PM_{2.5} levels that are 20.5 µg/m³ (AQI 69) or more, supervisors must have training on the information in Appendix B, and the following topics:

(a) The procedures the supervisor must follow to implement the applicable provisions of WAC 296-62-085 wildfire smoke; and

(b) The procedures the supervisor must follow if an employee exhibits adverse symptoms of wildfire smoke exposure, including appropriate emergency response procedures; and

(c) Procedures for moving or transporting employees to an emergency medical service provider, if necessary.

NEW SECTION

WAC 296-62-08560 Exposure symptom response. (1) The employer must monitor employees displaying adverse symptoms of wildfire smoke exposure to determine whether medical attention is necessary.

(2) Employers must allow employees who show signs of injury or illness due to wildfire smoke exposure to seek medical treatment and may not retaliate against affected employees for seeking such treatment.

(3) Employers must also have effective provisions made in advance for prompt medical treatment of employees in the event of serious injury or illness caused by wildfire smoke exposure.

NEW SECTION

WAC 296-62-08570 Exposure controls. (1) Where the current PM_{2.5} is 20.5 µg/m³ (AQI 69) or more, the employer is encouraged to implement exposure controls.

(2) Where the current PM_{2.5} is 35.5 µg/m³ (AQI 101) or more, the employer must implement effective exposure controls whenever feasible.

- (3) Such controls include, but are not limited to:
- (a) Providing enclosed buildings, structures, or vehicles where the air is adequately filtered.
 - (b) Providing portable HEPA filters in enclosed areas.
 - (c) Relocating work to a location with a lower ambient air concentration of PM_{2.5}.
 - (d) Changing work schedules to a time with a lower ambient air concentration of PM_{2.5}.
 - (e) Reducing work intensity.
 - (f) Providing additional rest periods.

Exception: In emergencies, exposure controls in WAC 296-62-08570 are not required. Emergencies include rescue, evacuation, utilities, communications, and medical operations; when such operations are directly aiding firefighting; or emergency response; or actively protecting, restoring, or maintaining the safe and reliable operation of critical infrastructure at risk.

NEW SECTION

WAC 296-62-08580 Respiratory protection. (1) Where the current PM_{2.5} is 20.5 µg/m³ (AQI 69) or more, the employer is encouraged to provide respirators at no cost to employees upon request. Employees may provide and wear their own respiratory protection if voluntary use of these protective devices and equipment does not introduce hazards to the work environment.

(2) Where the current PM_{2.5} is 35.5 µg/m³ (AQI 101) or more, the employer must provide respirators at no cost to all exposed employees and must encourage employees to use respirators.

(a) Employers must provide respirators by either of the following methods:

- (i) Distribute directly to each exposed employee; or
- (ii) Maintain a sufficient supply for all exposed employees at each work location where exposure occurs. Such respirator supply availability and locations must be made known, and be readily accessible, to all exposed employees in a manner that does not restrict or hinder employee access to obtain and replace respirators when needed.

(b) Employers must use WAC 296-62-08590, Appendix B in lieu of the advisory information in Table 2 of WAC 296-842-11005 for training regarding voluntary use of respirators for wildfire smoke.

(3) Respirators must be NIOSH-approved devices that effectively protect the wearers from inhalation of PM_{2.5}, such as N95 filtering facepiece respirators.

(4) Respirators must be cleaned, stored, maintained, and replaced so that they are in good working order, and do not present a health hazard to users. Replace any respirator that is not functioning properly and does not permit their use.

(5) Where the current PM_{2.5} is 555 µg/m³ or more, employees must be enrolled in a complete respiratory protection program in accordance with chapter 296-842 WAC. The employer must provide and require to be worn one of the following respirators equipped with high efficiency particulate air filters:

- (a) Loose-fitting powered air purifying respirator; or
- (b) Full-facepiece air purifying respirator; or
- (c) Full-facepiece powered air purifying respirator; or
- (d) Other respirators are at least as effective.

Note: - For voluntary use of filtering facepiece respirators, such as N95 respirators, some of the requirements of chapter 296-842 WAC, Safety Standards for Respirators, do not apply, such as fit testing and medical evaluations. If elastomeric respirators are used voluntarily, additional requirements from chapter 296-842 WAC, Respirators apply such as medical evaluations and establishing a respiratory protection program.
- For voluntary or required use of loose-fitting powered air purifying respirators, some of the requirements of chapter 296-842 WAC, Safety Standards for Respirators, do not apply, such as fit testing and requiring workers to be clean shaven.
- During emergency response, rescue, evacuation, and medical operations, required use of respirators must be implemented to the extent feasible.

NEW SECTION

WAC 296-62-08585 Appendix A: Measuring PM_{2.5} levels at the work-site (mandatory if an employer monitors with a direct reading instrument). (1) An employer may use a direct-reading particulate monitor to identify harmful exposures as required by WAC 296-62-08530, if the employer can demonstrate that it has complied with this appendix and selected a monitor that:

(a) Does not underestimate employee exposures to wildfire smoke.

or

(b) May underestimate wildfire smoke exposures, but the employer has obtained information on the possible error of the monitor from the manufacturer or other published literature and has accounted for the error of the monitor when determining exposures to PM_{2.5} to ensure that employee exposure levels are not underestimated.

(2) The monitor's field R-squared (R²) value must be greater than 0.7 when measuring PM_{2.5} as defined by the South Coast Air Quality Management District's air quality sensor performance evaluation center (AQ-SPEC) www.aqmd.gov/aq-spec.

(3) The monitor must be designed and manufactured to measure the concentration of airborne particle sizes ranging from an aerodynamic diameter of 0.3 micrometers or less, up to and including 2.5 micrometers ($\leq 0.3 \mu\text{m}$ to $2.5 \mu\text{m}$). The employer may use a monitor that measures a particle size range beyond these limits, if the employer treats the results as the PM_{2.5} levels.

(4) The employer must ensure that the monitor it uses is calibrated, maintained, and used, including the use of necessary accessories, in accordance with the manufacturer's instructions for accurately measuring PM_{2.5} concentrations.

(5) The person supervising, directing, or evaluating workplace monitoring for PM_{2.5} must have the training or experience necessary to apply this section and to ensure the correct use of the monitor and the interpretation of the results, so that exposures are not underestimated.

NEW SECTION

WAC 296-62-08590 Appendix B: Protection from wildfire smoke information to be provided to employees (mandatory). (1) The health effects of wildfire smoke.

Although there are many hazardous chemicals in wildfire smoke, the main harmful pollutant for people who are not very close to the fire is "particulate matter," the tiny particles suspended in the air.

Particulate matter can irritate the lungs and cause persistent coughing, phlegm, wheezing, or difficulty breathing. Particulate matter can also cause more serious problems, such as reduced lung function, bronchitis, worsening of asthma, heart failure, and early death.

Sensitive groups. People who are at higher risk of experiencing adverse health effects as a result of exposure to wildfire smoke include those with preexisting health conditions; those with increased duration of exposure; and those whose work results in an increased breathing rate, including outdoor workers. Although everyone is impacted by wildfire smoke exposure, sensitive groups are among those most likely to experience health problems from exposure to wildfire smoke. Examples of sensitive groups include:

- People with lung diseases such as asthma or chronic obstructive pulmonary disease (COPD), including bronchitis and emphysema, and those who smoke.

- People with respiratory infections, such as pneumonia, acute bronchitis, bronchiolitis, colds, flu, or those with, or recovering from COVID-19.

- People with existing heart or circulatory problems, such as irregular heartbeat, congestive heart failure, coronary artery disease, angina, and those who have had a heart attack or stroke.

- Children under 18 years old, and adults over age 65.

- People who are pregnant.

- People with diabetes.

- People with other medical or health conditions that can be exacerbated by exposure to wildfire smoke as determined by a physician.

- Outdoor workers.

The Washington state department of health classifies¹ outdoor workers as a sensitive group with increased risk, as well as:

- People with health conditions:

- Lung diseases, such as asthma and COPD.

- Heart diseases.

- Respiratory diseases.

- Diabetes.

- People 18 and younger, or older than 65.

- Pregnant people.

- People of color.

- Tribal and indigenous people.

- People with low income.

(2) The right to obtain medical treatment without fear of reprisal.

Employers must allow employees who show signs of injury or illness due to wildfire smoke exposure to seek medical treatment and may not punish affected employees for seeking such treatment. Employers must also have effective provisions made in advance for prompt medical treatment of employees in the event of serious injury or illness caused by wildfire smoke exposure.

(3) How employees can obtain the current PM_{2.5} in the air.

Various government agencies monitor the air at locations throughout Washington and report the current PM_{2.5} for those places. The Air Quality Index (AQI) uses the air quality data from these regulatory monitors.

Although the government monitoring stations may measure several pollutants, this chapter only uses PM_{2.5}. The easiest way to find the current and forecasted PM_{2.5} is to go to enviwa.ecology.wa.gov and find the nearest sensor on the map, or www.AirNow.gov and enter the zip

code of the location where you will be working. The current PM_{2.5} is also available from the U.S. Forest Service at tools.airfire.org. Employees who do not have access to the internet can contact their employer for the current PM_{2.5}. The U.S. EPA website www.enviroflash.info can transmit daily and forecasted air quality by text or email for cities or zip codes.

If you choose to use an index such as the AQI, use the following table to find the equivalent AQI for PM_{2.5}.

PM _{2.5} in Micrograms per Cubic Meter (µg/m ³)	Air Quality Index for PM _{2.5} (AQI)
20.5 µg/m ³	69
35.5 µg/m ³	101
555 µg/m ³	Beyond the AQI

(4) The requirements of WAC 296-62-085, wildfire smoke rule.

If employees may be exposed to wildfire smoke, then the employer is required to do all the following:

(a) Check the current PM_{2.5} before and periodically during each shift.

(b) Provide training to employees.

(c) Implement a two-way communication system.

(d) Provide engineering and administrative controls when the current PM_{2.5} is 35.5 µg/m³ (AQI 101) or more if feasible.

(e) Provide respirators and encourage their use when the current PM_{2.5} is 35.5 µg/m³ (AQI 101) or more.

(f) Provide more protective respirators such as powered air purifying respirators and require their use when the current PM_{2.5} is 555 µg/m³ or more.

Employers must alert employees when at least two consecutive current PM_{2.5} readings are 20.5 µg/m³ (AQI 69) or more, when the current PM_{2.5} is 35.5 µg/m³ (AQI 101) or more, and when the current PM_{2.5} is 555 µg/m³ or more, and what protective measures are available to employees.

Employers must encourage employees to inform their employers if they notice the air quality is getting worse, or if they are suffering from any symptoms due to the air quality, without fear of reprisal.

The employer's communication system is: _____

The employer's methods to protect employees from wildfire smoke.

Employers must take action to protect employees from wildfire smoke when the current PM_{2.5} is 35.5 µg/m³ (AQI 101) or more. Examples of protective methods include:

(a) Locating work in enclosed structures or vehicles where the air is filtered.

(b) Changing procedures such as moving workers to a place with a lower PM_{2.5}.

(c) Reducing work time in areas with unfiltered air.

(d) Increasing rest time and frequency and providing a rest area with filtered air.

(e) Reducing the physical intensity of the work to help lower the breathing and heart rates.

The employer's control system at this worksite is: _____

(5) The importance, limitations, and benefits of using a properly fitted respirator when exposed to wildfire smoke.

Respirators can be an effective way to protect employee health by reducing exposure to wildfire smoke, when they are properly selected and worn. Respirator use can be beneficial even when the $PM_{2.5}$ is less than $20.5 \mu\text{g}/\text{m}^3$, to provide additional protection.

When the current $PM_{2.5}$ is $20.5 \mu\text{g}/\text{m}^3$ (AQI 69) or more, your employer is encouraged to make proper respirators available to workers who may choose to use them voluntarily.

When the current $PM_{2.5}$ is $35.5 \mu\text{g}/\text{m}^3$ (AQI 101) or more, your employer must make proper respirators available to workers who may choose to use them voluntarily.

When the current $PM_{2.5}$ is $555 \mu\text{g}/\text{m}^3$ or more (beyond the AQI), respirators that are more protective than N95s are required. Your employer must provide and require you to wear one of the following respirators equipped with high efficiency particulate air filters:

- (a) Loose-fitting powered air purifying respirator; or
- (b) Full-facepiece air purifying respirator; or
- (c) Full-facepiece powered air purifying respirator; or
- (d) Other respirators are at least as effective.

These respirators are more protective than N95s. You will need to have a fit test, medical evaluation, and must be clean shaven to use these respirators, except for loose-fitting powered air purifying respirators (PAPR), which can be worn without a fit test, and can be used with facial hair.

A respirator needs to be used properly and kept clean.

The following precautions must be taken:

(a) Employers must select respirators certified for protection against specific air contaminants at the workplace. NIOSH, the National Institute for Occupational Safety and Health of the U.S. Centers for Disease Control and Prevention certifies respirators. A label or statement of certification should appear on the respirator or respirator packaging. It will list what the respirator is designed for (particulates, for example).

Surgical masks or items worn over the nose and mouth such as scarves, T-shirts, and bandannas will not provide protection against wildfire smoke. A NIOSH approved N95 filtering facepiece respirator, shown in the image below, is the minimum level of protection for wildfire smoke.

(b) Read and follow the manufacturer's instructions on the respirator's use, maintenance, cleaning and care, along with any warnings regarding the respirator's limitations. The manufacturer's instructions for medical evaluations, fit testing, and shaving should also be followed to ensure the best protection against wildfire smoke.

(c) Do not wear respirators in areas where the air contains contaminants for which the respirator is not designed. A respirator designed to filter particles will not protect you against gases or vapors, and it will not supply oxygen.

(d) You should keep track of your respirator, so you do not mistakenly use someone else's respirator.

(e) Particularly if you have a heart or lung problem, or if you have other medical problems and have questions about whether it is safe for you to wear a respirator, you should talk to your doctor.

(6) How to properly put on, use, and maintain the respirators provided by the employer.

To get the most protection from a respirator, there must be a tight seal around the face. A respirator will provide much less protection if facial hair interferes with the seal. Loose-fitting powered air purifying respirators may be worn by people with facial hair since they do not have seals that are affected by facial hair.

The proper way to put on a respirator depends on the type and model of the respirator.

For those who use an N95 or other filtering facepiece respirator that is made of filter material:

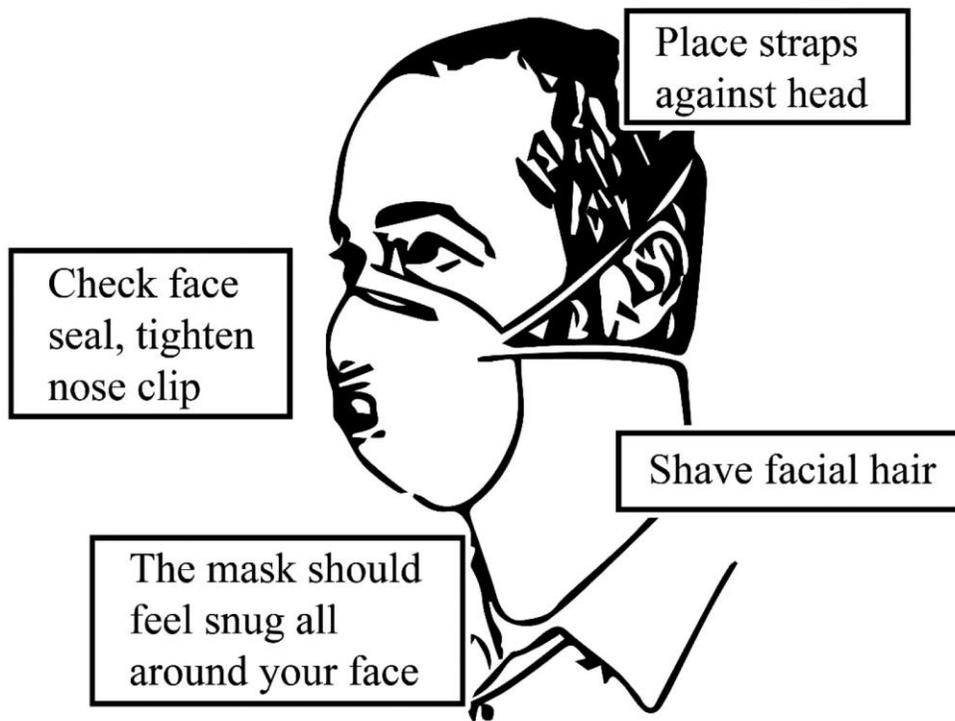
(a) Place the mask over the nose and under the chin, with one strap placed below the ears and one strap above.

(b) Pinch the metal part (if there is one) of the respirator over the top of the nose so it fits securely.

(c) Perform a seal check:

(i) Cover the respirator with both hands and exhale. If air leaks where the respirator seals against the face, adjust the respirator and nosepiece and try again. When a proper fit is achieved, the respirator should bulge from the face and not leak around the seal.

(ii) Cover the respirator with both hands and inhale. If air leaks where the respirator seals against the face, adjust the respirator and nosepiece and try again. When a proper fit is achieved, the respirator should collapse slightly and not leak around the seal.



For a respirator that relies on a tight seal to the face, check how well it seals to the face by following the manufacturer's instructions for user seal checks. Adjust the respirator if air leaks between the seal and the face. The more air leaks under the seal, the less protection the user receives.

Respirator filters should be replaced if they get damaged, deformed, dirty, or difficult to breathe through. Filtering facepiece respirators are disposable respirators that cannot be cleaned or disinfected. A best practice is to replace filtering facepiece respirators at the beginning of each shift.

If you have symptoms such as difficulty breathing, dizziness, or nausea, go to an area with cleaner air, take off the respirator, and get medical help.

https://doh.wa.gov/sites/default/files/legacy/Documents/4300/waqa%20infographic_English.pdf

NEW SECTION

WAC 296-62-08595 Appendix C: Calculating the air quality index for PM_{2.5} (nonmandatory). The air quality index (AQI) for PM_{2.5} is calculated as follows:

$$I_{PM_{2.5}} = \frac{I_{Hi} - I_{Lo}}{BP_{Hi} - BP_{Lo}} (C_p - BP_{Lo}) + I_{Lo}$$

Where:

- $I_{PM_{2.5}}$ is the air quality index value for $PM_{2.5}$
- C_p is the concentration of $PM_{2.5}$ in $\mu\text{g}/\text{m}^3$ truncated to 1 decimal place
- BP_{Hi} is the concentration breakpoint that is greater than or equal to C_p
- BP_{Lo} is the concentration breakpoint that is less than or equal to C_p
- I_{Hi} is the AQI value corresponding to BP_{Hi}
- I_{Lo} is the AQI value corresponding to BP_{Lo}

PM_{2.5} Breakpoints¹	AQI equivalent¹	AQI category¹	WA DOH Health Messaging²
0.0-12.0	0-50	Good	It is a great day to be active outside and a good time to plan if worse air quality is in the forecast.
12.1-35.4	51-100	Moderate	Some people are especially sensitive to lower levels of particle pollution and should reduce exposure. For example, limit time outside and avoid strenuous outdoor activity. All sensitive groups should watch for symptoms.
35.5-55.4	101-150	Unhealthy for sensitive groups	Sensitive groups should take steps to reduce exposure. Limit time outside, avoid strenuous outdoor activity, and follow tips for cleaner indoor air. Everyone should watch for symptoms as a sign to reduce exposure.
55.5-150.4	151-200	Unhealthy	Everyone should reduce exposure. Limit time outside, avoid strenuous outdoor activity, and follow tips for cleaner indoor air.
150.5-250.4	201-300	Very unhealthy	Everyone should reduce exposure. Stay inside and filter indoor air to keep it cleaner. Go elsewhere for cleaner air, if needed.
250.5-350.4	301-400	Hazardous	Everyone should reduce exposure. Stay inside and filter indoor air to keep it cleaner. Go elsewhere for cleaner air, if needed.
350.5-500.4	401-500	Hazardous	Everyone should reduce exposure. Stay inside and filter indoor air to keep it cleaner. Go elsewhere for cleaner air, if needed.
> 500.4	Beyond the AQI	Hazardous (beyond the AQI)	

¹ U.S. EPA. September 2018. *Technical Assistance Document for the Reporting of Daily Air Quality – The Air Quality Index (AQI)*. EPA 454/B-18-007. Research Triangle Park, North Carolina.

² https://doh.wa.gov/sites/default/files/legacy/Documents/4300/waqa%20infographic_English.pdf



When the body is unable to cool itself by sweating, several heat-induced illnesses such as heat stress or heat exhaustion and the more severe heat stroke can occur, and can result in death.

Factors Leading to Heat Stress

High temperature and humidity; direct sun or heat; limited air movement; physical exertion; poor physical condition; some medicines; and inadequate tolerance for hot workplaces.

Symptoms of Heat Exhaustion

- Headaches, dizziness, lightheadedness or fainting.
- Weakness and moist skin.
- Mood changes such as irritability or confusion.
- Upset stomach or vomiting.

Symptoms of Heat Stroke

- Dry, hot skin with no sweating.
- Mental confusion or losing consciousness.
- Seizures or convulsions.

Preventing Heat Stress

- Know signs/symptoms of heat-related illnesses; monitor yourself and coworkers.
- Block out direct sun or other heat sources.
- Use cooling fans/air-conditioning, rest regularly.
- Drink lots of water; about 1 cup every 15 minutes.
- Wear lightweight, light colored, loose-fitting clothes.
- Avoid alcohol, caffeinated drinks, or heavy meals.

What to Do for Heat-Related Illness

- Call 911 (or local emergency number) at once. While waiting for help to arrive:
 - Move the worker to a cool, shaded area.
 - Loosen or remove heavy clothing.
 - Provide cool drinking water.
 - Fan and mist the person with water.

For more complete information:

OSHA • **INUI**
Occupational
U.S. Department of Labor
www.osha.gov (800) 321.OSHA

OSHA 3154-07R-06

Outdoor Heat Exposure Plan

Scope: The following requirements are only in effect during the months of May 1st through September 30th each year for the following job categories or positions having outdoor heat exposure:

Training: Each year prior to the month of May, all field employees will be provided training on signs and symptoms of outdoor heat exposure and on the company policies to prevent heat-related illness. Additional training will be scheduled for a make-up class as needed. When new employees are hired during the summer months, training will be provided prior to the new employee working in the outdoor environment. Heat stress videos distributed by WISHA/DOSH or OSHA may be used to supplement this training.

Employee Training Content: Training on the following topics will be provided to all employees who may be exposed to outdoor heat at or above the temperatures listed in WAC 296-62-09510(2) Table 1:

- a) The environmental factors that contribute to the risk of heat-related illness;
- b) General awareness of personal factors that may increase susceptibility to heat-related illness including, but not limited to, an individual's age, degree of acclimatization, medical conditions, drinking water consumption, alcohol use, caffeine use, nicotine use, and use of medications that affect the bodies responses to heat. This information is for the employee's personal use;
- c) The importance of removing heat-retaining personal protective equipment such as non-breathable chemical resistant clothing during all breaks;
- d) The importance of frequent consumption of small quantities of drinking water or other acceptable beverages;
- e) The importance of acclimatization;
- f) The different types of heat-related illness, the common signs and symptoms of heat-related illness; and
- g) The importance of immediately reporting signs or symptoms of heat-related illness in either themselves or in co-workers to the person in charge and the procedures the employee must follow including appropriate emergency response procedures.
- h) Appropriate clothing for the job and the weather.

Supervisor Training Content: Prior to supervising employees working in outdoor environments with heat exposure at or above the temperature levels listed in WAC 296-62-09510(2) Table 1, supervisors will be given training on the following topics:

- a) The information required to be provided to employees listed in subsection (1) of this section;
- b) The procedures the supervisor must follow to implement the applicable provisions of WAC 296-62-095 through 296-62-09560;
- c) Recommended action levels and rest periods.
- d) The procedures the supervisor must follow if an employee exhibits signs or symptoms consistent with possible heat-related illness, including appropriate emergency response procedures; and
- e) Procedures for moving or transporting an employee(s) to a place where the employee(s) can be reached by an emergency medical service provider, if necessary.

Table 1

To determine which temperature applies to each worksite, select the temperature associated with the general type of clothing or personal protective equipment (PPE) each employee is required to wear.

Outdoor Heat Exposure Action Levels

<u>Nonbreathable clothes including vapor barrier clothing or PPE such as chemical resistant suits</u>	<u>52°F</u>
<u>All other clothing</u>	<u>80°F</u>

Note: There is no requirement to maintain temperature records. The temperatures in Table 1 were developed based on Washington state data and are not applicable to other states.

Definitions

- (1) **Acclimatization** means the body's temporary adaptation to work in heat that occurs as a person is exposed to it over time.
- (2) **Double-layer woven clothing** means clothing worn in two layers allowing air to reach the skin. For example, coveralls worn on top of regular work clothes.
- (3) **Drinking water** means potable water that is suitable to drink. Drinking water packaged as a consumer product and electrolyte-replenishing beverages (i.e., sports drinks) that do not contain caffeine are acceptable.
- (4) **Engineering controls** means the use of devices to reduce exposure and aid cooling (i.e., air conditioning).
- (5) **Environmental factors for heat-related illness** means working conditions that increase susceptibility for heat-related illness such as air temperature, relative humidity, radiant heat from the sun and other sources, conductive heat sources such as the ground, air movement, workload (i.e., heavy, medium, or low) and duration, and personal protective equipment worn by employees. Measurement of environmental factors is not required by WAC 296-62-095.
- (6) **Heat-related illness** means a medical condition resulting from the body's inability to cope with a particular heat load, and includes, but is not limited to, heat cramps, heat rash, heat exhaustion, fainting, and heat stroke.
- (7) **Outdoor environment** means an environment where work activities are conducted outside. Work environments such as inside vehicle cabs, sheds, and tents or other structures may be considered an outdoor environment if the environmental factors affecting temperature are not managed by engineering controls. Construction activity is considered to be work in an indoor environment when performed inside a structure after the outside walls and roof are erected.
- (8) **Vapor barrier clothing** means clothing that significantly inhibits or completely prevents

sweat produced by the body from evaporating into the outside air. Such clothing includes encapsulating suits, various forms of chemical resistant suits used for PPE, and other forms of non-breathing clothing.

Covered Workers

Anyone working outdoors more than 15 minutes in any 60-minute period is covered by this program when temperatures are:

- As low as **52°F and up to 80°F** if you are wearing non-breathable clothing or clothing that provides a vapor barrier like rain gear or chemical-resistant suits.
- At or higher than 80°F when you wear any other type of clothing like typical shirts and pants.

Some people are more susceptible to heat sickness than others. This includes anyone who comes to work dehydrated or who isn't used to the heat. Also, heat waves can make everyone more susceptible to getting sick, even young and healthy workers.

If you do any of the following jobs or tasks at our worksites, then you are covered by our program:

Job: Laborer

Job: Installer

Job: Driver

Job: Warehouse Manager

1. Shade or Alternatives

The purpose of shade is to cool your body down to prevent or recover from the heat. Anything that defeats the purpose of shade or that discourages you from using it is **not** acceptable and must be reported to and addressed by the crew lead.

We will provide enough shade to fully cover everyone taking a break at the same time with room to sit comfortably in a normal posture. Use this shade whenever you need to cool down so you don't get overheated and during any required, cool-down rest period.

For our work sites, we will ensure you have ready access to shade, or some other cooling alternative, at all times. Here is what you can expect at our jobsites:

- When possible, we will provide portable air-conditioned trailers. When trailers aren't available we will set up portable, canopies with misting stations.

The Project Managers is responsible to ensure shade (or an acceptable alternative) is provided at the job site. That person will:

- Assess the need for shade at the jobsite based on the size of the crew, the available means for shade or other cooling methods, the proximity to work areas, and other factors that affect the provision of shade or alternatives.
- Ensure shade or other alternatives are set up properly.
- Encourage you to use shade to prevent heat illness or to recover you start to feel sick.

2. Hydration

Drink water before work so you start your day hydrated.

We will ensure you have access to water in portable bottles or coolers in shaded break areas near workers.

Don't wait to be thirsty to drink; and drink small amounts often throughout the day to stay hydrated.

Drink at least 1 cup every 15-20 minutes.

Sport drinks low in sugar are okay. **Avoid** drinks with caffeine and high sugar content like sodas because they won't hydrate you.

Crew Lead is responsible to ensure enough suitably cool water to allow you to drink at least a quart each hour.

Drink at least 1 Hydration (electrolyte drink) for every 2-3 bottles of water.

3. Adjusting to Heat (Acclimatization)

It can take 7-14 days to fully adjust to hot working conditions. Most of this adjustment (also called acclimatization) happens in the first 4-5 days. Acclimatization is lost if you are away from hot conditions for a week or more.

If you are newly assigned to work in the heat and are covered by this program, you should acclimatize as follows:

Day 1: Build a tolerance to heat by working at 20% of normal rate
Days 2-5 : add another 20% each day

In addition, the Crew Lead will ensure you and other acclimatizing workers are closely observed for signs and symptoms of heat illness over a 14 day period. That person will ensure observation and communication is provided as follows:

- Ensure all workers check in every hour with cell phone if reception is dependable at the job site. If reception is not dependable, you will be assigned a "buddy" who will personally check in with you at least every hour to determine to see if you may be experiencing signs or symptoms of heat illness.

In addition to newly assigned workers, workers who have been away from the heat for a week or more and crews working during a heat wave should also follow our acclimatization practices detailed above.

4. Cool-down Rest Periods

When covered by this program you are encouraged to take a cool down rest period anytime to prevent overheating.

Furthermore, **when the temperature reaches 90°F, every worker is required to take at least a 10-minute cool down rest period every 2 hours** and **when the temperature reaches 100°F,**

every worker is required to take at least a 15-minute cool down rest period every 1 hour. The Crew Lead is responsible to ensure everyone is being observed for signs and symptoms of heat illness by using a buddy system where everyone will be assigned a buddy to keep a close eye on each other and take action to prevent or respond to signs or symptoms of heat illness.

All cool-down rest periods are *paid time unless taken during a meal period*.

Any worker who starts to experience heat illness must be relieved of duty, allowed to safely cool down, and be closely monitored to verify they are okay or need prompt medical attention.

Never leave someone experiencing heat illness alone.

They could get worse, and even die!

5. Responding to Heat-related Illness

Time is critical when people are experiencing heat stress/heat stroke. The quicker any employee experiencing symptoms can be removed from the heat and cooled down, the better the chances are for a full recovery. On days when the temperatures will be at or above those listed in Table 1 of the regulation, the company will:

- a) Provide a shaded area for the employees.
- b) Have cool drinking water accessible at all times (NOT COLD)
- c) More breaks will be given during these high temperatures
- d) If an employee needs medical services, the employee will be removed from the hot environment and 911 will be notified. The employee will be put in a cool environment (shaded area, job trailer, the cab of truck or car that has air conditioning, etc.) and cool compresses will be applied. This location will be at a location where emergency services have easy access to the victim.

Yost Gallagher Construction

Bloodborne Pathogens Policy Statement

Protecting personnel from occupational exposure to disease-causing viruses and bacteria has become an extremely significant work-place issue. Work activities which present potential contact with blood or bodily fluid pose infectious disease exposure risk for employees. The Hepatitis B Virus (HBV) and Human Immunodeficiency Virus (HIV), the virus that causes acquired immunodeficiency syndrome (AIDS) are known as Bloodborne Pathogens because they are transmitted, from one individual to another, through human blood and another bodily fluid. Personnel who have contact with blood or a bodily fluid face the possibility of contracting these viruses and developing severe and possibly fatal health problems.

Supervisors, foremen and persons in-charge of a crew employed by the company will be trained and certified as first-aid providers. The primary function of these employees is to complete general employment duties for the company, not provide first-aid treatment to an injured individual. They are not designated as first-aid providers. Company personnel may voluntarily provide first-aid care, as a "Good Samaritan".

Employee training sessions will be conducted concerning the hazards associated with an exposure to human blood or bodily fluid. The training information will include: (1) An explanation of the Bloodborne Pathogens regulatory standard; (2) A general explanation of the epidemiology and symptoms of Bloodborne Pathogens; (3) An explanation of the modes of Bloodborne Pathogens transmission; (4) An explanation of how to recognize events which may involve exposure to human blood and bodily fluid; (5) Information concerning the selection, use and limitations of Personal Protective Equipment; (6) Information concerning Hepatitis B vaccination; (7) Procedures to follow if an exposure occurs, including methods of incident reporting and medical protocol, including Hepatitis B vaccination; (8) Information concerning warning signs, labels, and color-coding. At annual time-intervals, an employee training session will be conducted.

Company personnel will adhere to the principal of Universal Precautions. Universal Precautions is a method of infection control in which all human blood and bodily fluid is treated as if known to be infectious with the Hepatitis B Virus (HBV) or the Human Immunodeficiency Virus (HIV).

The company will provide durable personal protection equipment (protective gloves, mouth barriers, eye, face, nose and skin protectors).

Should an actual or suspected human blood and/or bodily fluid exposure incident occur, personnel are required to immediately report the incident to a supervisor. Each exposure or suspected exposure will be evaluated on a case-by-case basis. Post-exposure report forms are available and, when required, will be completed. A supply of necessary forms will be maintained at the company's business office and at each job location.

First-aid providers who render assistance in any situation involving the presence of human blood or bodily fluid, regardless of whether or not a specific exposure incident occurs, will be offered a full Hepatitis B immunization series, as soon as possible, but no later than twenty-four (24) hours, following the incident.

Appropriate employee training and confidential medical records will be maintained, for the time periods prescribed by governing regulations.

Additional procedural information concerning Bloodborne Pathogens is contained in the company's Emergency Preparedness Plan.

Bloodborne Pathogens Post-Exposure and Follow-up

Name of Employee: _____ Date: _____

Employee's Social Security Number: _____

I. Route(s) of Exposure: _____

(Example: Eyes, nose, mouth, break in skin, skin pierced by a sharp object)

II. Circumstances surrounding the event (including use of engineering controls, work practices and personal protective equipment):

{Example: Employee was cut by a saw and severed an artery. Since the responder worked nearby, he went directly to the aid of the person and did not obtain the first-aid kit, which contained goggles and gloves. The responder applied pressure to the severed artery and blood splashed into his eyes. The responder had cuts and scrapes on his hands.)

III. Exposed Employee Information:

Blood Taken? _____ Date Taken: _____

(YIN)

Written Verbal

Consent for HBV Testing?

{circle one or both}

Written Verbal

Consent for HIV Testing?

(Circle one or both)

Blood being held for 90 days, or until: _____

Pending employee request/permission

IV. Health Care Professional:

Name: _____

Address: _____

Telephone Number: _____

Hepatitis B Vaccine Declination Form

I understand that due to my occupational exposure to blood or bodily fluid I may be at risk of acquiring Hepatitis B Virus (HBV) infection. I have been given the opportunity, at no charge to myself, to be vaccinated with Hepatitis B vaccine. However, at this time, I decline the administration of the Hepatitis B. vaccination. I understand that by declining this vaccine I continue to be at risk of acquiring Hepatitis B, a serious disease. If, in the future I continue to have occupational exposure to blood or bodily fluid and I want to be vaccinated, with the Hepatitis B vaccine, I can receive the vaccination at no charge to me.

Employee Signature: _____

Print Employee Name: _____

Witness Signature and Position: _____

Print Witness's Name: _____

Date: _____

Bloodborne Pathogens Post-Exposure and Follow-up

Name of Employee: _____ Date: _____

Employee's Social Security Number: _____

I. Route(s) of Exposure: _____

(Example: Eyes, nose, mouth, break in skin, skin pierced by a sharp object)

II. Circumstances surrounding the event (including use of engineering controls, work practices and personal protective equipment):

(Example: Employee was cut by a saw and severed an artery. Since the responder worked nearby, he went directly to the aid of the person and did not obtain the first-aid kit, which contained goggles and gloves. The responder applied pressure to the severed artery and blood splashed into his eyes. The responder had cuts and scrapes on his hands.)

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Blood Taken? _____

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Consent for HBV Testing?

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Verbal

Consent for HIV Testing?

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Employee Signature: _____

Print Employee Name: _____

Witness Signature and Position: _____

Print Witness's Name: _____

Date: _____

Yost Gallagher Construction

Crane Qualification Evaluation Document

Qualified Equipment: inspection(s):

- Each shift, before or during, by a competent person
- Monthly, by a competent person, documentation retained for three (3) months
- Annually, by a qualified person, documentation retained for twelve (12) months
- Subsequent modification or repair, by a qualified person
- Severe service, by a qualified person
- Frequency and comprehensiveness determined by manufacturer

WISHA Annual inspection:

- Performed by an accredited crane certifier.
- Documentation maintained, by the certifier, for a five (5) years' time-period.
- Posted in the crane cab, along with the operator's manual.

Qualified Operator:

- **National Commission for Certification of Crane Operators (NCCCO)**
- Nationally accredited testing **organization-portable** (OSHA and WISHA)
- Audited employer provided training program-non **portable** (OSHA)
- Crane related experience (WISHA)

Qualified Rigger:

- A rigger who meets the criteria of a qualified person (OSHA)

WISHA:

- Qualified by a third-party evaluator.
- Qualification procedures documented.
- Qualified by an employer's qualified evaluator
- Five (5) years qualification period.
- Demonstrate knowledge: documented oral or written test and a practical test.

Yost Gallagher Construction
Crane Qualification Evaluation Document
Page 2 of 2 pages

Qualified Signal Person(s):

- Qualified by a third part evaluator.
- Qualification procedures documented.
- Qualified by an employer's qualified evaluator.
- Five (5) years qualification period. (WISHA)

Energized Electrical Component Clearances:

- 50 kV or less: 10 feet minimum
- Between 50 kV and 200 kV: 15 feet minimum
- Between 200 kV and 345 kV: 20 feet minimum
- Between 345 kV and 500 kV: 25 feet minimum
- Between 500 kV and 750 kV: 35 feet minimum
- Between 750 kV and 1,000 kV: 45 feet minimum
- Excess of 1,000 kV: Established by utility owner/operator or registered engineer.

Defined:

- Competent Person: one who is capable of identifying existing and predictable hazard(s) in the surroundings or work conditions which are unsanitary, hazardous or dangerous to employees and who has authorization to take prompt corrective measures to eliminate them.
- Qualified Person: a person who, by possession of a recognized degree, certificate, or professional standing, or who by extensive knowledge, training, and experience, successfully demonstrates an ability to solve/resolve problems relating to the subject matter, the work, or the project.

Cranes and Rigging

Scope: (Regulatory Applicability)

- Articulating boom
- Stationed on a barge
- Dedicated pile drivers
- Monorail
- Postal
- Derrick
- Mobile: wheel-mounted, rough terrain, all-terrain, commercial truck mounted and boom truck.
- Telehandler (Forklift used as a crane)
- Crawler
- Locomotive
- Multi-purpose
- Overhead and Gantry
- Tower
- Floating
- Industrial
- Service/mechanical trucks
- Pedestal
- Straddle

Attachment Regulatory Applicability:

- Hook
- Clamshell bucket
- Orange peel bucket
- Magnet
- Dragline
- Auger or drill
- Grapple
- Personnel platform
- Pile driving equipment

Crane Operator's Qualifications and Certification:

- Valid crane operator's certificate.
 - Issued for each crane type.
 - Issued by a nationally accredited testing organization.
 - Valid for and renewable at five (5) years' time intervals.
- Written and practical test, for each relevant crane category, passage required. 296-155-53300
- Ability to read and locate relevant equipment manual and other information.
- Applicable experience hours. WAC 296-155-53300
- Crane operator and crane related experience documented.
- Substance abuse testing required.
- Accredited trainer unavailable...employer provided training option. 296-155-53300
- Telehandler Certificate

Cranes and Rigging

Signal Person Qualifications:

WAC 296-155-53302

Requirements:

- Knowledge and understanding of signal types utilized.
- Be competent in the application of those signals.
- Possess a basic understanding of crane/derrick operations and limitations, including the dynamics involved in swinging and stopping loads and boom deflection.
- Knowledge and understanding of the provisions contained in WAC 296-155-53406.
- Demonstrate knowledge: documented oral or written test and a practical test.
 - Qualified by a third-part evaluator.
 - Qualification procedures documented.
 - Qualified by an employer's qualified evaluator.
 - Five (5) years qualification period.

Rigger Qualifications:

WAC 296-155-53306

Requirements:

- As applicable, knowledge and understanding of the requirements located in: ASME 830.7-2006, Base-Mounted Drum Hoists; B30.9-2010, Slings; B30.10- 2009, Hooks; B30.16-2007, Overhead Hoist; B30.20-2010, Below-the-Hook Lifting Devices; B30.21-2005, Manually Lever Operated Hoists and B30.26-2004, Rigging Hardware.
- Knowledge and understanding of each type of sling and hitch to be utilized.
- Be competent in the application of applicable hitches.
- Possess a basic understanding concerning slings, rigging hardware and below- the-hook lift devices.
- Knowledge and understanding concerning load weight estimation, center of gravity, rigging component angles, load turning, knots/tag lines, chain hoisting/come-a-long utilization, winch and block utilization and basic hand signals.
- Demonstrate knowledge: documented oral or written test and a practical test.
 - Qualified by a third-part evaluator.
 - Qualification procedures documented.
 - Qualified by an employer's qualified evaluator
 - Five (5) years qualification period.

Cranes and Rigging

Cranes:

296-155-53400

- Annual certification, by an accredited certifier, required.
 - Compliant with manufacturer's specifications, limitations, mandates, and recommendations.
 - or-
 - Component limitations are determined by a qualified engineer.
- Documented
 - Attachment(s) will not exceed the established manufacturers capacity, rating, or scope.
 - Operational procedures established by the manufacturer.
 - or-
 - By an employer designated qualified person.
- Crane/derrick procedures which are related to capacity must be developed and signed by a registered professional engineer.
- Warning/informational decals and placards installed and maintained in a legible condition.
- Operational procedures, including an operator's manual and load rating chart, written in the English language, available in the operator's cab or station.
- Informational chart conspicuously displayed and legible:
 - A complete range of the manufacturer's rated capacities, as listed below.
 - Manufacturer's approved operating radii, boom angle(s), work area(s), boom length(s) and configuration(s), jib length(s) and angle(s) (or offset).
 - Alternate ratings for utilization or nonuse of optional equipment which affect the rated capacity, such as: outriggers, stabilizers, or extra counterweight(s).
 - When structural competency governs lifting performance and the manufacturer's load rating information is available, those circumstances must be identified.
- A work area chart for the capacities listed on the equipment load chart.
- The work area illustration and load chart clearly indicate the surrounding area(s) where no load is to be handled.
- Recommended reeving for the hoist line must be shown.
- Recommended boom hoist reeving diagram, where applicable; size, type, and length of wire rope.

Cranes and Rigging

- Tire air pressure (where applicable).
- Caution or warnings relative to crane limitations and operational procedures.
 - Least stable direction indicated.
- Where applicable, position of the gantry and requirements for intermediate boom suspension.
- Instructions concerning boom erection and conditions under which the boom or boom and jib combinations may be raised or lowered.
- Rated load capacities.
 - Recommended operating speeds.
 - Special hazardous warning(s) information or instructions.
- Hand signals illustration posted at job site.
 - Signaling activity performed by a single and authorized individual.
 - Until visual contact was established, load hoisting/movement activities prohibited.
- Equipment inspected prior to each utilization and, during utilization, at timely intervals.
 - Defective equipment removed from service.

Annual Inspection:

296-155-53200

- Performed by an accredited crane certifier.
- Documentation maintained by the certifier, for a five (5) years' time-period.
- Safety devices:
 - Recalibration or repair accomplished as soon as reasonably possible.
 - Crane manufactured after December 16, 1969: equipped with boom hoist limiting device.
- Documentation review:
 - Maintenance records, pursuant to manufacturer's mandates.
 - Monthly and annual inspection documents.
- Permanently recorded.

Cranes and Rigging

Energized Electrical Component Clearances:

296-155-53408

- 50 kV or less: 10 feet minimum
 - Between 50 kV and 200 kV: 15 feet minimum
 - Between 200 kV and 345 kV: 20 feet minimum
 - Between 345 kV and 500 kV: 25 feet minimum
 - Between 500 kV and 750 kV: 35 feet minimum
 - Between 750 kV and 1,000 kV: 45 feet minimum
 - Excess of 1,000 kV: Established by utility owner/operator or registered engineer.
-
- Clearance levels properly maintained and verified by a designated observer.
 - Overhead lines considered energized until owner or pertinent utility indicates that the line(s) have been de-energized and visibly grounded.
 - Transmitter tower de-energized or electrical charge isolation insured between hoisting equipment, load and transmitter tower.
 - Induced voltage dissipation:
 - Electrically grounded to the upper rotating boom support structure.
 - When electrical charge is induced, ground jumper cable attached to hoisted material.
 - Suitable attachment provided.
 - Flammable and combustible material removed from operational area.
 - If required, a nonconductive tagline is utilized.

Helicopter Hoisting Operation

DO NOT USE WITHOUT SAFETY DIRECTOR AUTHORIZATION

Suitable Operational Area:

- Establish a 100 feet radius hoist and deposit safety zone.
 - Loose objects removed or secured to prevent aircraft induced displacement.
 - If indicated, institute dust or other environmental control measures.
- Identify an access and exit route(s), including an emergency personnel evacuation path.
- Totally restrict unauthorized personnel access, within 50 feet of an operating aircraft rotor.

Aircraft Operation:

- The aircraft pilot is the operational commander.
 - Compliant with Federal Aviation Administration (FAA) recommendations and mandates.
 - Refueling procedures: refer 296-829-30010
 - Prior to the commencement of operational activities, the pilot will conduct a briefing involving all pertinent personnel.
- Suitable communication between the pilot and signal person(s) established and continuously maintained.
- Operational area personnel will exercise extreme caution and maintain visual contact between the aircraft pilot and relevant personnel.
- Utilize appropriate clothing and Personal Protective Equipment (PPE):
 - Hardhat, secured with a chinstrap.
 - Suitable protective eye goggles.
 - Nonconductive (rubber) gloves (static charge protectors).
 - Utilize load grounding device (static charge protectors).
 - Signal person(s) must wear distinctly recognizable garment(s).

Helicopter Hoisting Operation

- Utilize appropriately designed hoisting apparatus:
 - Inspected before each utilization.
 - Intended load exposure is within the manufacturer's rated capacity.
 - Tag line designed to prevent aircraft rotor entanglement.
 - Electrically operated cargo attachment hook:
 - Designed and installed to prevent accidental operation.
 - Equipped with a mechanically controlled load release feature.
 - Prior to each utilization, tested by a competent person, in order to insure proper electrical and mechanical operation.

Yost Gallagher Construction Crane Operations Evaluator

Subordinate Contractor: _____ Date: _____
Name

Name/Equipment Description

Qualified Equipment: _____

Qualified Operator(s): _____

Qualified Rigger(s): _____

Qualified Signaler(s): _____

Yost Gallagher Construction Representative: _____

Subordinate Contractor's Representative: _____

Your crane operations and related activities will be performed as a specialty subordinate contractor to Yost Gallagher Construction and therefore supervision of your activities will be limited. Compliance with applicable Federal, State and other regulatory agency standards is mandatory.

Yost Gallagher Construction Crane Operations Evaluator

Subordinate Contractor: _____ Date: _____
Name

Name/Equipment Description

Qualified Equipment: _____

Qualified Operator(s): _____

Qualified Rigger(s): _____

Qualified Signaler(s): _____

Yost Gallagher Construction Representative: _____

Subordinate Contractor's Representative: _____

Your crane operations and related activities will be performed as a specialty subordinate contractor to Yost Gallagher Construction and therefore supervision of your activities will be limited. Compliance with applicable Federal, State and other regulatory agency standards is mandatory.

Steel Erection

- **Multiple Component lifting Procedures.** 296-155-704(5) 1926.753(e)(1)
- **Multistory Building Construction Procedures.** 296-155-706(1) 1926.754
 - Structural stability continuously maintained.
 - Simultaneous permanent floor installation, during structural component erection.
 - Maximum of eight (8) stories between erection level and upper-most permanent floor.
 - Maximum of four (4) floors or forty-eight (48) feet of unfinished structural bolting or welding.
- * **Unobstructed Personnel Passageway Requirements.** 296-155--706(2)(a)
1926.754(c)
 - * Structural components devoid of an upper surface encumbrance.
- " **Skid-resistance Structural Steel Coating Requirements.** 296-155-706(2)(c)
(Effective July 18, 2006) 1926.754(C)(4)
- * **Structural Plumbing Equipment Installation.** 296-155-706(3) 1926.754(d)
 - Necessity determined by competent personnel.
 - Installed in conjunction with structural steel erection.
 - Installed prior to the introduction of construction material placement onto structural components.
 - Removed subsequent approval by a competent individual.
- * **Metal Decking Material Handling Requirements.** 296-155-706(4) 1926.754(e)(1)
 - Suitable hoisting apparatus, utilization of bundle packaging or straps prohibited.
 - Restrained during hoisting operations.
 - Suitable landing area provided.
 - Immediately secured and properly supported to avoid displacement.
 - Continuous decking material installation preference.
 - Integrity maintained until equipment or structural component placement.
 - Opening(s) or hole(s) appropriately guarded or covered.

- Cover(s) secured and properly labeled ("Cover" or "Hole").
 - Standard guardrail installed around perimeter.
- Personnel and material fall protection provided around decking material and column intersection voids.
- **Structural Column Anchorage Requirements.** 296-155-707 1926.755
 - Erected on a level and substantial surface.
 - Four (4) anchor bolts.
 - Three hundred (300) pound eccentric gravity load resistance.
 - Stabilization apparatus installation requirements determined by a competent individual.
- **Structural Beam and Column Erection Procedures.** 296-155-708 1926.756
 - Prior to hoist-line release, secured with two (2) or more appropriate connection bolts, per connection.
 - Properly torqued.
- * **Diagonal Bracing.** 296-155-708(2) 1926.756(b)
 - Secured with a minimum of one (1) appropriate connection bolt, per connection.
 - Properly torqued.
- * **Double Column Connections.** 296-155-708(3) 1926.756(c)(1)
 - Structural integrity continuously maintained, during multiple connections.
 - One (1) connection bolt, unless suitable seat provided.
- **Column Splices.** 296-155-708(4) 1926.756(d)
 - Three hundred (300) pound eccentric gravity load resistance.
- * **Perimeter Columns** 296-155-708(5) 1926.756(e)
 - Extended forty-eight (48) inches above the finished floor level.
 - Safety cable(guardrail) support. 296-155-716(1)(b) 1926.756(e)(2)
- *Open Web Steel Joist. 296-155-709 1926.757
 - Unless framed in two (2) directions, with solid web structural steel members, field-bolted at each joist/column connection to promote lateral column stability.
 - Vertical steel stabilization plate (6"X6") installed on each column.
 - Plumbing attachment hole (13/16 inch) provided.

- * Bottom joist cord stabilized to prevent rotation.
- * Prior to hoist-line release:
 - * Connection bolt installed in both joist/seat connections.
 - * Bottom joist cord restrained by column stabilization plates.
- * When constructability issues prevent steel joist installation at a column, an alternate means of joist stabilization must be installed, near the column.
 - * Suitable and continuous stability provided.
 - * Designed by a qualified person.
 - Installed at fabrication facility.
 - Included in erection plan drawings.
- * Prior to hoist-line release:
 - Bolts installed in both joist/seat connections.
 - Joist properly stabilized.
- Sixty (60) feet or less joist length:
 - Sufficient strength to allow one (1) employee to release the hoist-line, without the need for erection bridging.
- * Sixty (60) feet or more joist length:
 - * Set in tandem, with required bridging attached.
- * Structural stability insured prior to steel joist or girder placement.
- * A joist or girder structural modification must be approved by the project structural engineer. *
- * Field-bolted joist:
 - * Connection of an individual steel joist to a steel structure, in a bay which is forty (40) or more feet, must be designed and fabricated to allow field-bolting, during erection activities.
- * Terminus point established prior to bridging installation.
- * Joist or girder utilization as a fall protection apparatus anchorage point prohibited, unless written approval is obtained from a qualified individual.

- * **Steel Joist and Girder Attachment.** 296-155-709(2) 1926.757(b)(1)

- * "K" series joist/structural support attachment:

- * Two, 1/8 inch X one inch fillet welds.
or
Two, 1/2 inch bolts.
or
Equivalent

- * "LH" and DLH series joist/structural support attachment:

- * Two, 1/4 inch X two inch fillet welds.
or
Two, 3/4 inch bolts.
or
Equivalent

- * Attachment at one end, on both sides of the seat.

- * Immediately, upon final placement.

- * Prior to deployment of additional joist.

- * Both ends of a joist, which is over sixty (60) feet in length, must be appropriately attached, pursuant the requirements of this section.

- * **Steel Joist Erection:** 296-155-709 (3) 1926.757(c)

- * If bridging is required, (refer 296-155-709 or 1926.757, table "A" and "B"), both sides of the seat on one end of each joist must be attached to the support structure, prior to hoist-line release.

- * Both ends of a joist, which is over sixty (60) feet in length, must be attached according to the requirements contained in 296-155-709 (2) and (4) or 1926.757 (b) and (d).

- * A row of bolted diagonal bridging installed and anchored, near bottom cord bearing joist support(s).

- * If erection bridging is not required, according to Table "A" or "B", only a single worker is allowed on the joist, until all permanent bridging is installed and properly anchored.

- * Personnel occupancy prohibited when the joist span is equal to or greater than the span illustrated in Table "A" and "B".

- * When permanent bridging terminus points cannot be used during erection activities, an additional temporary bridging terminus point must be installed to provide suitable structural stability.

- * **Erection Bridging:** 296-155-709 (4) 1926.757(d)

- * Steel joist span is equal to or greater than the span illustrated in Table "A" and "B":

- * A row of bolted diagonal erection bridging installed and anchored, near midspan, prior

to hoist-cable release and personnel occupancy.

* A row of bolted diagonal bridging installed and anchored, near bottom cord bearing joist support(s).

* Steel joist span between sixty (60) and one hundred (100) feet:

* All rows of bolted bridging must be installed in a diagonal configuration.

* Two rows of bolted diagonal erection bridging must be installed and anchored, near the third point, prior to hoist-cable release or occupancy by more than two (2) workers.

* A row of bolted diagonal bridging installed and anchored, near bottom cord bearing joist support(s).

* Steel joist span between one hundred (100) and one hundred forty-four (144) feet:

* All rows of bolted bridging must be installed in a diagonal configuration.

* All bridging must be installed and anchored, prior to hoist-cable release or occupancy by more than two (2) individuals.

* A row of bolted diagonal bridging installed and anchored, near bottom cord bearing joist support(s).

* Steel joist span in excess of one hundred forty-four (144) feet:

Refer 296-155-708 or 1926.756

* When bolted diagonal erection bridging is required:

* Indicated in the erection drawings.

* Shop-installed clips utilized at bolted bridging joist connections.

* Initial common nut/bolt attachment maintained during subsequent attachment.

* Attachment must not protrude above the top joist cord.

* **Construction Load and Deck Landing and Placement:**

* Appropriate load or decking distribution to avoid exceeding joist loading carrying capacity.

* Construction load or decking placement prohibited, until bridging is installed and anchored, and all joist-bearing ends have been attached.

* Joist bridging and deck bundle 296-155-709(5) 1926.757(e)

* Placement: 1,000 pounds maximum (bridging) * 4,000 pounds maximum (decking)

* Supported by a minimum of three (3) secured, at one end, joist.

- * Positioned within one (1) foot of a secured end.

- * One row of bridging must be installed prior to decking bundle placement.

- * **Fall Object Protection:** 296-155-714 1926.759

- * Material, equipment, tools, etc., when aloft and not in use, must be secured to avoid displacement.

- * Access prohibited, by other craft(s), beneath elevated steel erection activity area.

- * **WISHA Fall Protection Requirements:**

- Refer the provisions contained in 296-155, parts "C-1" and "K".
 - Interior and exterior floor perimeter safety cable (guardrail) installed, immediately following metal deck installation.

- **Custody of Fall Protection Apparatus:**

- The steel erector provided apparatus may remain in place, for use by other craft(s), when...
 - * Action approved by controlling contractor.
 - * Inspected and controlled by responsible controlling contractor.

* **OSHA Fall Protection Requirements.** 1926.760

* Generally, required at fifteen (15) feet elevation.

* Connector:

* Thirty (30) feet elevation or more than two (2) stories.

* Appropriately trained.

* Controlled Decking Zone (Leading Edge) Requirements:

• Established between fifteen (15) and thirty (30) feet elevation.

* Applicable only during initial metal deck installation.

Access limited to metal deck installer(s).

* Boundaries designated and clearly marked.

* Maximum of ninety (90) feet square.

* Standard control lines or equivalent.

* Appropriately trained personnel.

* Maximum of 3,000 square feet of unsecured decking.

* Safety deck attachments installed back from the leading edge.

* A minimum of two (2) attachments per panel.

Yost Gallagher Construction

Steel Erection Procedure

Project: _____

Preparation Date: _____

• **Preconstruction conference conducted:** _____
Date

• **Preconstruction site inspection conducted:** _____
Date

ATTENDEES

(General Contractor, Steel Erector, Project Engineer, Steel Manufacturer/Fabricator)

Conference

Inspection

• **Compressive design strength of relevant concrete and mortar footing, pier and wall components.** (attach relevant documentation)

- Seventy-five (75%) of minimum intended compression design strength.
- Sufficient strength to support imposed load, during steel erection activities.

• **Anchor bolt(s) repaired, replaced or field-modified?** No Yes

Procedures performed pursuant project structural engineer's approval?
 (attach relevant documentation) No Yes

• **Construction location configuration:**

Adequate access roadway(s), travel way(s) and operational area(s)? No Yes

Suitable material and equipment staging and storage area? No Yes

Hoisting equipment description:

Crane: _____

Crane: _____

Crane: _____

Crane: _____

- Hoisting equipment inspections.
(prior to each utilization and periodically monitored during operational activities)

- **Rigging supplies and equipment description:**

- Rigging equipment inspections.
(prior to each utilization)

- **Personnel protection against exposure to overhead operational hazards.**

- Personnel exposure to suspended load. Refer: WAC 296-155-704(4)
OSHA 1926.753(d)

- Material, tools, equipment and supplies secured to avoid displacement.

- Personnel access beneath a steel erection work activity area prohibition.

- **Personnel protection against exposure to an elevated work location fall hazard.**

- Fall protection work plan developed, implemented and available at the construction location.

- Perimeter cable-type guardrail system provided.

- **Structural steel erection procedures developed and implemented.**

**Construction Location Configuration
and
Hoisting Equipment Placement
Diagram:**
(include elevated load pathway(s))

SAMPLE

Authorization to proceed with Steel Erection Activities

Yost Gallagher Construction Representative:

Signature

Date

Steel Erector Representative:

Signature

Date

Yost Gallagher Construction

Steel Erection Procedure

Project: _____

Preparation Date: _____

• **Preconstruction conference conducted:** _____
Date

• **Preconstruction site inspection conducted:** _____
Date

ATTENDEES

(General Contractor, Steel Erector, Project Engineer, Steel Manufacturer/Fabricator)

Conference

Inspection

• **Compressive design strength of relevant concrete and mortar footing, pier and wall components.** (attach relevant documentation)

Seventy-five (75%) of minimum intended compression design strength.

Sufficient strength to support imposed load, during steel erection activities.

• **Anchor bolt(s) repaired, replaced or field-modified?** No Yes

Procedures performed pursuant project structural engineer's approval?
 (attach relevant documentation) No Yes

• **Construction location configuration:**

Adequate access roadway(s), travel way(s) and operational area(s)? No Yes

Suitable material and equipment staging and storage area? No Yes

Hoisting equipment description:

Crane: _____

Crane: _____

Crane: _____

Crane: _____

- Hoisting equipment inspections.
(prior to each utilization and periodically monitored during operational activities)

- **Rigging supplies and equipment description:**

- Rigging equipment inspections.
(prior to each utilization)

- **Personnel protection against exposure to overhead operational hazards.**

- Personnel exposure to suspended load. Refer: WAC 296-155-704(4)
OSHA 1926.753(d)

- Material, tools, equipment and supplies secured to avoid displacement.

- Personnel access beneath a steel erection work activity area prohibition.

- **Personnel protection against exposure to an elevated work location fall hazard.**

- Fall protection work plan developed, implemented and available at the construction location.

- Perimeter cable-type guardrail system provided.

- **Structural steel erection procedures developed and implemented.**

**Construction Location Configuration
and
Hoisting Equipment Placement
Diagram:**
(include elevated load pathway(s))

Authorization to proceed with Steel Erection Activities

Yost Gallagher Construction Representative:

Signature

Date

Steel Erector Representative:

Signature

Date

Welding and Cutting

Gas Welding:

- Appropriate clothing and protective equipment, including eye protection.
- Cylinders, hoses, couplings, torches and other apparatus inspected before each use.
- Cylinders properly secured, including during transportation, and separated.
- Regulators removed and valve protection cap reinstalled when cylinders hoisted. Equipment free of oil and grease.
- Cylinders placed out of welding/cutting area.
- Safety zone established around welding area. Proper screening provided against arc flash.
- Fire suppression equipment immediately available in the welding area.
- Welding/cutting area properly ventilated.
- Precautions taken to protect personnel against toxic fumes. Area examined after project completed.
- Cylinder valves closed when not in use, when empty or when being moved.

Arc Welding:

- Appropriate clothing and protective equipment, including eye protection.
- Apparatus inspected before each use.
- Rod holder properly insulated.
- Welder properly grounded.
- Safety zone established around welding area.
- Proper screening provided against arc flash.
- Fire suppression equipment immediately available in the welding area.
- Area properly ventilated.
- Precautions against toxic fumes.
- Rod removed from holder, when not in use.
- Area examined after project completed.

Welding and Cutting

Filter Lens Shade Numbers for Protection against Radiant Energy

<u>Welding Operation:</u>	<u>Shade Number:</u>
Shielded metal arc welding (1/16, 3/32, 1/8, 5/32 inch diameter electrodes)	10
Gas shielded arc welding (non-ferrous) (1/16, 3/32, 1/8, 5/32 Inch diameter electrodes)	11
Gas shielded arc welding (ferrous) (1/16, 3/32, 1/8, 5/32 inch diameter electrodes)	12
Shielded metal arc welding (3/16, 7/32, 1/4 Inch diameter electrodes)	12
Shielded metal arc welding (5/16, 3/8 inch diameter electrodes)	14
Atomic hydrogen welding	10 to 14
Carbon arc welding	14
Torch blazing	03 or 04
Light cutting, up to one (1) inch	03 or 04
Medium cutting, one (1) to six (6) inches	04 or 05
Heavy cutting, over six (6) inches	05 or 06
Gas welding (light), up to 1/8 inch	04 or 05
Gas welding (medium), 1/8 to 1/2 inch	05 or 06
Gas welding (heavy), over 1/2 inch	06 or 08

Yost Gallagher Construction

Heat Generation Work Zone Procedures

*** General Requirements:**

- * If feasible, combustible material(s) should be relocated into an area that is thirty-five (35) or more feet removed from the heat generation work zone.

- If Indicated, shield(s) should be used in order to protect combustible material(s).

- * Personnel fire suppression equipment utilization procedures training will be provided.

- * At the conclusion of relevant work activities, supervisory personnel will inspect and evaluate the relevant work zone.

• Hot Work Permit Requirements:

- * During the performance of the following work activities:

- Welding * Cutting * Brazing * Abrasive Grinder Operation * Soldering

- Spark Producing Chop Saw Operation

- * A Hot Work Permit document will be prepared by the job site superintendent and discussed and reviewed with pertinent personnel. (A Hot Work Permit document is provided on a subsequent page).

- Finalized Hot Work Permit document(s) will be retained in a job site file and maintained until project completion.

*** Fire Watch Requirements:**

- * When other than a minor fire may potentially develop.

- * When a considerable amount of combustible material is contained within (construction or content) or located within thirty-five (35) feet of a building or structure.

- * When wall or floor opening(s), located within a thirty-five (35) feet radius of a heat generation work zone, expose combustible material(s), which are located in an adjacent area, to a potential ignition hazard.

- * When a wall, partition or floor, which is located within a thirty-five (35) feet radius of a heating generation work zone, could potentially conceal an emission from heat generation work activities.

Yost Gallagher Construction Hot Work Permit

Work Location: _____

Date Issued: _____

Time Issued: _____

Time Canceled: _____

Final Closure:

_____ Time

_____ Initials

Work activities: Welding: Cutting: Brazing: Grinding: Soldering: Chop Saw:

Personnel assigned to perform work activities:

(1) _____ (2) _____

(3) _____ (4) _____

Procedures:

Fire extinguisher availability: Yes No N/A

Flammable and combustible material removed: Yes No N/A

Adjacent area inspected and protected: Yes No N/A

Floor swept: Yes No N/A

Lint, dust and debris removed: Yes No N/A

Flame resistant cover(s) or shield(s) installed: Yes No N/A

Floor/wall opening(s) shielded: Yes No N/A

Adequate ventilation provided: Yes No N/A

Fire watch personnel assigned: Yes No N/A

Name: _____

Name: _____

Post work activities inspection completed: Yes

Work activities terminated 30 minutes prior to personnel departure: Yes

Approval: Yost Gallagher Construction representative: _____

Subcontractor company name: _____

Subcontractor representative: _____

Yost Gallagher Construction Hot Work Permit

Work Location: _____

Date Issued: _____
Time Issued: _____
Time Canceled: _____
Final Closure:

_____ _____
Time Initials

Work activities: Welding: Cutting: Brazing: Grinding: Soldering: Chop Saw:

Personnel assigned to perform work activities:

(1) _____ **(2)** _____
(3) _____ **(4)** _____

Procedures:

- Fire extinguisher availability: Yes No N/A
- Flammable and combustible material removed: Yes No N/A
- Adjacent area inspected and protected: Yes No N/A
- Floor swept: Yes No N/A
- Lint, dust and debris removed: Yes No N/A
- Flame resistant cover(s) or shield(s) installed: Yes No N/A
- Floor/wall opening(s) shielded: Yes No **N/A**
- Adequate ventilation provided: Yes No N/A
- Fire watch personnel assigned: Yes No N/A

Name: _____ Name: _____

Post work activities inspection completed: Yes

Work activities terminated 30 minutes prior to personnel departure: Yes

Approval: Yost Gallagher Construction representative: _____

Subcontractor company name: _____

Subcontractor representative: _____

Yost Gallagher Construction Hazard Communication Program

1. Company Policy:

In order to ensure that information concerning the potential danger associated with hazardous chemical exposure is available to relevant Yost Gallagher Construction personnel, the following information is provided:

All company work units will participate in the hazard communication program. This program will be available, for review by interested or relevant personnel, in the company's Accident Prevention Program manual.

2. Container Labeling:

The job supervisor will verify that all relevant product containers are conspicuously and legibly labeled, consistent with the United Nations Global Harmonized System protocol. Labels will contain the following advisory information: (1): a Product Identifier; (2): a Signal Word; (3): a Hazard Statement; (4): Pictogram(s); (5): a Precautionary Statement and (6): the manufacturer's, importer's or distributor's name, address, and telephone number. Label defacement, alteration or removal is prohibited.

The job site supervisor will insure that a secondary container that contains a hazardous substance that is not totally consumed by a singular employee, during a singular work-period, is labeled with either a copy of the original manufacturer's, importer's or distributor's label or with a label that contains the following information: (1): a Product Identifier; (2): Hazard Pictogram(s); (3): a Signal Word; and (4): a Hazard Statement.

3. Safety Data Sheets (SOS)

The job site supervisor is responsible for establishing and monitoring the company's Safety Data Sheet (SOS) program. He will ensure that procedures are developed to obtain necessary Safety Data Sheets (SOS) from the relevant product manufacturer, importer or distributor and will review incoming Safety Data Sheets (SOS) for additional, revised, or significant health and safety information. He will verify that any amended information is provided to affected personnel.

A copy of a Safety Data Sheet (SOS) for all " in use" hazardous chemicals is contained in the company's Safety Data Sheet (SOS) file manual.

During each work shift, all relevant personnel will have access to Safety Data Sheets (SOS). If a Safety Data Sheet (SOS) is not available, personnel should immediately contact the job site supervisor.

4. Employee Training and Information:

The job site supervisor is responsible for the company's personnel training program. He will ensure that all program elements, specified below, are implemented.

Prior to the commencement of work activities, each Yost Gallagher Construction employee will attend a health and safety orientation session. The following information will be presented:

- a. An overview of the requirements contained in the Hazard Communication regulatory agency standard.
- b. Hazardous chemical(s) present at his/her workplace.
- c. Physical and health risk(s) associated with hazard chemical exposure.
- d. How to-determine the presence or release of a hazardous chemical within her/his work zone.
- e. How to reduce or prevent hazardous chemical exposure through the use of control procedures, work practices and/or Personal Protective Equipment (PPE).
- f. Procedures the company has implemented in order to reduce or prevent hazardous chemical exposure.
- g. Procedures that will be implemented if an exposure incident occurs.
- h. The location of the Safety Data Sheet (SDS) file and written Hazard Communication program document
- i. How to read labels and review Safety Data sheets (SDS) in order to obtain hazard information.

Before introducing a new chemical hazard into any company section, each relevant employee will be provided with information and training concerning that new chemical.

5. Hazardous Non-Routine Task

Periodically, personnel are required to perform a hazardous non-routine task. Some examples of non-routine tasks are confined space entry, storage tank cleansing operations and reactor vessel painting activities. Prior to the performance of work activities, each relevant individual will be provided with information, by the job site supervisor, concerning the hazardous chemical(s) he or she may encounter during the performance of those activities. This information will include specific chemical hazard(s), protective and safety measures that the employee should or must employ and procedures (ventilation, respiratory protection, presence of other personnel and emergency response procedures) that the company has instituted in order to reduce a potential hazardous exposure.

6. Multi-Employer Workplaces:

The job site supervisor will provide, to employer(s) of other personnel who are present at the jobsite, a copy of relevant Safety Data Sheets (SDS) or maintain them in a centralized and accessible file. The jobsite supervisor will advise other employer(s) concerning any precautionary measures that are required to protect personnel during normal operating conditions or during a foreseeable emergency incident and will provide other employer(s) with an explanation of the labeling system that is utilized at the work site.

7. Hazardous Chemical List:

Following is a list of hazardous chemicals that will be utilized by our personnel. Additional information concerning each chemical may be obtained by reviewing a relevant Safety Data Sheet (SDS), which is contained in the company's Safety Data Sheet (SDS) file manual.

**Yost Gallagher Construction
Hazardous Substances
Employee Orientation Check List**

Employee's Name: _____ **Date:** _____

Date hired: _____ **Trainer:** _____

This checklist provides documentation that Yost Gallagher Construction personnel have been provided training concerning our Hazardous Substance Worker's Right-to-Know program.

The supervisor has reviewed the following Hazard Communication Program information with the employee:

- 1. The purpose of the hazard communication standard is to require manufacturers or importers to assess the hazards of chemicals they produce or import. An employers must provide information to their employees about the hazardous chemicals to which they may be exposed.

Employees must be informed about the hazard communication program, labels and other forms of warning, Safety Data Sheets (SDS), and they must have training concerning the hazardous substances they may encounter.
- 2. The supervisor has reviewed the hazardous chemicals list with the employee.
- 3. The supervisor has shown the employee the:
 - a. Location of hazardous chemicals within the employee's work site.
 - b. Location of the Written Hazard Communication Program.
 - c. Location of the Safety Data Sheets (SDS) for all "in use" hazardous chemicals in an employee's work area.
 - d. Location of the list of persons trained and authorized to handle the hazardous chemicals.

The signatures below document that the appropriate elements have been discussed to the satisfaction of both parties and that both the supervisor and the employee accept responsibility for maintaining a safe and healthful work environment.

Supervisor's Signature: _____ **Date:** _____

Employee's Signature: _____ **Date:** _____

**Yost Gallagher Construction
Hazardous Substances
Employee Orientation Check List**

Employee's Name: _____ **Date:** _____

Date hired: _____ **Trainer:** _____

This checklist provides documentation that Yost Gallagher Construction personnel have been provided training concerning our Hazardous Substance Worker's Right-to-Know program.

The supervisor has reviewed the following Hazard Communication Program information with the employee:

- 1. The purpose of the hazard communication standard is to require manufacturers or importers to assess the hazards of chemicals they produce or import. An employers must provide information to their employees about the hazardous chemicals to which they may be exposed.

Employees must be informed about the hazard communication program, labels and other forms of warning, Safety Data Sheets (SDS), and they must have training concerning the hazardous substances they may encounter.
- 2. The supervisor has reviewed the hazardous chemicals list with the employee.
- 3. The supervisor has shown the employee the:
 - a. Location of hazardous chemicals within the employee's work site.
 - b. Location of the Written Hazard Communication Program.
 - c. Location of the Safety Data Sheets (SDS) for all "in use" hazardous chemicals in an employee's work area.
 - d. Location of the list of persons trained and authorized to handle the hazardous chemicals.

The signatures below document that the appropriate elements have been discussed to the satisfaction of both parties and that both the supervisor and the employee accept responsibility for maintaining a safe and healthful work environment.

Supervisor's Signature: _____ **Date:** _____

Employee's Signature: _____ **Date:** _____

Confined Space

Confined Space:

- Sufficiently large for personnel entry.
- Limited entry or exit.
- Not intended for continuous occupancy.

Permit Required Confined Space:

- Actual or potentially hazard atmosphere. Potential material engulfment hazard.
- Internal wall or floor configuration caused trap or asphyxiation hazard.
- Recognizable safety or health hazard.
- Self-rescue impairment.
- Immediately dangerous to life or health.

Hazardous Atmosphere:

- Risk of death, incapacitation, self-rescue impairment, injury or acute illness associated with one or more of the following:
- Oxygen level
 - below 19.5%
 - above 23.5%.
- Flammable gas, vapor or mist level that exceeds 10% or the Lower Flammability Limit (LFL).
- Atmospheric concentration of a hazard substance.
- Atmospheric concentration of any substance which may exceed a Permissible Exposure Limit (PEL).
- Atmosphere that is immediately dangerous to life or health.
- Airborne combustible dust that meets or exceeds its Lower Flammability Limit (LFL).

Confined Space

Permit Required Confined Space Entry Alternate Procedure:

- It can be demonstrated that the only hazard posed by the permit required space is an actual or potential hazard atmosphere.
- It can be demonstrated that continuous forced air ventilation along is sufficient to maintain the permit space safe for entry.
- Monitoring, testing, and inspection data supports the demonstrations listed above.
- The space is not entered for any purpose, including for the purpose of monitoring, testing, or inspecting, until the space is determined to be safe for entry.
- Documentation requirement:
- As required above, evaluation, conclusions and supporting data, refer and utilize the "Confined Space Evaluation Report" form.

Non-Permit Confined Space:

- Does not contain or, with respect to an atmospherical hazard, have the potential to contain any hazard that can cause death or serious physical harm.
- Evaluate and certify the space is safe to enter.
 - Refer to and utilize the "Confined Space Evaluation Report" form.

Reclassification of a Permit Required Confined Space:

- No actual or potential atmospherical hazard.
- Other hazard(s) eliminated.
 - Forced air ventilation does not constitute elimination of the hazard(s).
- Written certification:
 - Date.
 - Location of the relevant space.
 - Signature of the the person who is preparing and providing the certificate.
 - Certificate available for review by relevant personnel.
- If hazardous condition returns, the space is reclassified as a permit-required space.

Confined Space

Permit Required Confined Space Procedures:

- Provide measures in order to prevent unauthorized entry. Post a "DANGER-PERMIT REQUIRED CONFINED SPACE. DO NOT ENTER" warning/informational sign.
- Ensure that access opening cover is properly secured.
- When cover is removed, provide entrance area guardrail system, cover, or suitable barricade.
- Provide pedestrian, vehicular traffic or other hazard barricades.
- Prevent foreign object entry into space.
- Prior to personnel entry, identify and evaluate the permit space hazard(s).
- Verify that atmospheric testing and monitoring equipment is available, properly calibrated and utilized by qualified personnel.
- Test internal atmosphere, prior to personnel entry and continuously during the performance of relevant work activities. (OSHA)
- Test internal atmosphere, prior to personnel entry and periodically during the performance of relevant work activities. (WISHA)
 - Oxygen Content
 - Flammable Gases
 - Toxic Atmospheric Contaminant(s)
- Specify acceptable entry conditions.
- Isolate the space (If applicable, implement lock-out/tag-out procedures).
- In order to eliminate or control atmospheric hazard(s), purge, inert, flush and/or ventilate the space.
- Throughout entry duration, verify that space conditions remain acceptable.
- Ensure availability of the following:
 - Ventilation equipment.
 - Suitable Illuminate.
 - Rescue and emergency equipment and personnel.
 - Necessary safety equipment.
 - Outside attendant (multiple monitoring permissible).
 - Personal Protective Equipment (PPE).
 - Suitable ingress and egress equipment.

Confined Space

- Verify that a safe work environment is maintained.
- If a hazardous atmosphere is detected during or after original entry:
 - Personnel will immediately leave the space.
 - The space will be evaluated in order to determine how the hazardous atmosphere developed.
 - In order to provide personnel exposure protection, indicated corrective measures will be instituted.
- Designated personnel:
 - Authorized entrant(s)
 - Attendant(s)
 - Entry supervisor
 - Atmospheric testing and monitoring equipment operator.
 - Rescue and emergency.
- Establish and implement the following procedures:
 - Rescue and emergency service notification.
 - Entrant(s) rescue
 - Rescue team personnel.
 - Unauthorized entry prevention
- Entry permit preparation, issuance, use and cancellation system development.
 - Canceled entry permit retained, subsequent an entry, for a one-year time period.
- Periodically, entry procedures reviewed and evaluated.
- Provide personnel training:
 - Rescue team.
 - Supervisor(s)
 - Entrant(s)
 - Atmospheric tester and monitor
 - Personnel not authorized to enter a confined space.

Confined Space Evaluation Report
(Alternative Procedure as Provided in WAC 296-809-60004)

Date: _____ Location of Space: _____

Does the confined space contain any of the following hazards?:

Hazardous Atmosphere:	YES	NO	Engulfing Hazard:	YES	NO
Immediately Dangerous to Life/Health:	YES	NO	Self-Rescue Impediment:	YES	NO
Safety/Health Hazard(s):	YES	NO	Trap or Asphyxiation Hazard:	YES	NO

Atmospheric Tests:

Tested by: _____

Time tested: _____

Levels Tested: _____

Oxygen content (between 19.5% and 23.5%):

Flammable gas, vapor, or mist:

Carbon Monoxide:

Hydrogen Sulfide:

Suspected contaminants: _____

Cover appropriately secured: _____ Employees protected from foreign objects entering the space: _____

Entrance properly guarded: _____ Forced air ventilation provided: _____

I have evaluated the above-described confined space and hereby certify that the space is safe for entry.

Certified by: _____ Date: _____

A copy of this evaluation will be maintained and available for review by pertinent personnel. After the task(s) has been completed, this form should be filed in the permanent "Job File" and, after the project has been completed, provided to the company's business office.

Non-Permit Confined Space Evaluation

Date: _____ Location of Space: _____

Does the confined space contain any of the following hazards?:

Hazardous Atmosphere:	YES	NO	Engulfing Hazard:	YES	NO
Safety/Health Hazard(s):	YES	NO	Trap or Asphyxiation Hazard:	YES	NO

Atmospheric Tests:

Atmosphere Tested by: _____

Time tested: _____

Levels Tested: _____

Oxygen content (between 19.5% and 23.5%): _____

Flammable gas, vapor, or mist: _____

Potential toxic air contaminants: _____

Suspected contaminants: _____

I have evaluated the above listed confined space and hereby certify that it does not contain or, with respect to atmospheric hazards, have the potential to contain any hazard capable of causing death or serious physical harm.

Certified by: _____

Date: _____

Confined Space Evaluation Report
(Alternative Procedure as Provided in WAC 296-809-60004)

Date: _____ Location of Space: _____

Does the confined space contain any of the following hazards?:

Hazardous Atmosphere:	YES	NO	Engulfing Hazard:	YES	NO
Immediately Dangerous to Life/Health:	YES	NO	Self-Rescue Impediment:	YES	NO
Safety/Health Hazard(s):	YES	NO	Trap or Asphyxiation Hazard:	YES	NO

Atmospheric Tests:

Tested by: _____

Time tested: _____

Levels Tested: _____

Oxygen content (between 19.5% and 23.5%): _____

Flammable gas, vapor, or mist: _____

Carbon Monoxide: _____

Hydrogen Sulfide: _____

Suspected contaminants: _____

Cover appropriately secured: _____ Employees protected from foreign objects entering the space: _____

Entrance properly guarded: _____ Forced air ventilation provided: _____

I have evaluated the above-described confined space and hereby certify that the space is safe for entry.

Certified by: _____ Date: _____

A copy of this evaluation will be maintained and available for review by pertinent personnel. After the task(s) has been completed, this form should be filed in the permanent "Job File" and, after the project has been completed, provided to the company's business office.

Confined Space Entry Permit

Issued: _____ Expires: _____
Date Time Date Time

Location: _____ Supervisor: _____

Purpose of the entry: _____

Authorized entry personnel	Name: _____	Time In: _____	Time Out: _____
	Name: _____	Time In: _____	Time Out: _____
	Name: _____	Time In: _____	Time Out: _____
	Name: _____	Time In: _____	Time Out: _____

Attendant(s): _____

Space hazard(s): _____

Space management measures: Locked-out: ___ Purged: ___ Inert: ___ Flushed: ___ Blinded: ___
Disconnected: ___ Blocked: ___ Other: ___ Other: ___ Other: ___

Atmospheric Tests:

Tested by: _____

Time tested: _____

Levels Tested: _____

Oxygen content (between 19.5% and 23.5%): _____

Flammable gas, vapor, or mist: _____

Potential toxic air contaminants: _____

Suspected contaminants: _____

Rescue Procedures: _____

Equipment: Atmospheric monitor: _____ Safety harness(es) & lifeline(s): _____ Hoisting equipment: _____

Respirator(s): _____ Personnel protective equipment & clothing: _____ Communications: _____

Ventilation equipment: _____ Suitable lighting & electrical equipment: _____ Hot work: _____

Communication procedures: _____

Permit prepared by: _____ Date: _____

Permit approved by: _____ Date: _____

Non-Permit Confined Space Evaluation

Date: _____ Location of Space: _____

Does the confined space contain any of the following hazards?:

Hazardous Atmosphere:	YES	NO	Engulfing Hazard:	YES	NO
Safety/Health Hazard(s):	YES	NO	Trap or Asphyxiation Hazard:	YES	NO

Atmospheric Tests:

Atmosphere Tested by: _____

Time tested: _____

Levels Tested: _____

Oxygen content (between 19.5% and 23.5%): _____

Flammable gas, vapor, or mist: _____

Potential toxic air contaminants: _____

Suspected contaminants: _____

I have evaluated the above listed confined space and hereby certify that it does not contain or, with respect to atmospheric hazards, have the potential to contain any hazard capable of causing death or serious physical harm.

Certified by: _____

Date: _____

Energy Control Program

Lock-out Procedure

The purpose of this procedure is to provide information and guidance concerning lock-out requirements and to prevent employee exposure to hazardous energy sources as they install, maintain or service equipment, machinery, systems, circuits or other sources of actual or potentially hazardous energy.

Because of the potentially grave consequences, if these procedures are disregarded or violated, personnel will be provided with comprehensive training, concerning the requirements of this procedure, and will, without exception, comply with the provisions of this policy.

- Lock-out device(s) will be utilized:
 - When an employee is required to remove or bypass a guard or other safety device.
 - When an employee's bodily part may be exposed to an apparatus entanglement hazard.
 - When an employee is or may be exposed to an electrical, mechanical, hydraulic, pneumatic, chemical, thermal or another, including gravity, hazardous energy source.
- A lock-out device will be installed by qualified personnel, who are properly trained and authorized to install, service, operate or maintain machinery, equipment, systems, circuits or other source(s) of potentially hazardous energy.
- The company will provide each employee with a branded personal lock-out device and appropriate warning or informational tag(s).
- Under the direction of their immediate supervisor, personnel will install their personal lock-out device and appropriate warning or informational tag(s).
- When indicated, supervisory personnel will install protective apparatus lock-out device(s) and suitable warning or informational tag(s).
- A qualified person will inspect the apparatus, armed with the necessary knowledge concerning the type and magnitude of the energy to be controlled, the hazards associated with potential exposure to that energy and appropriate methods to safely and effectively control that energy.
- Affected personnel will be advised concerning the impending apparatus shutdown.
- In order to avoid additional or increased personnel hazard exposure, an orderly shutdown will be conducted.
- Apparatus must be isolated from the energy source or sources, including those that are commonly referred to as "back feed".
- A lock-out device will be utilized to retain the energy isolation device in an "off" or "safe" position.
- An informational tag will be attached, along with the lock-out device, at each lock-out location. The tag will identify the person who placed the device, the date the lock/tag was installed and a suitable warning concerning the prohibition against unauthorized lock-out device removal or apparatus operation.

- Subsequent lock-out device placement, all stored and/or residual hazardous energy will be relieved, disconnected, restrained, blocked or controlled and rendered safe with another approved process.
- A qualified person will verify that the apparatus isolation and/or deactivation process has been successfully accomplished.
 - If hazardous energy could subsequently accumulate, system(s) will be constantly monitored, and procedures will be implemented to effectively prevent re-accumulation.
- Prior to the performance of energy isolation device installation or removal activities, affected personnel will be advised.
- Prior to energy restoration, a qualified person will inspect the previously secured apparatus in order to verify that it is operationally intact and in a safe condition and that personnel are in a safe location and that they have been advised concerning the impending reactivation.
- When work activities, on the secured apparatus, have been completed or at the end of each relevant work shift, personal lock-out device(s) will be exclusively removed by the person who was responsible for the initial placement.
- If temporary apparatus reactivation is required during the performance of testing or positioning activities, the following safety precautions will be instituted:
 - Tools, equipment and material will be removed from the apparatus.
 - Personnel will be positioned in a safe location.
 - Lock-out devices will be removed.
 - The apparatus will be temporarily energized.
 - Subsequent the completion of testing and/or positioning activities, the apparatus will be deactivated, and securement devices will be reinstalled.

Excavation, Trenching and Shoring

- Work activities supervised by a competent person.
- Employee training provided.
- Protection against a cave-in hazard exposure required at four (4) feet depth. (WISHA)
- Protection against a cave-in hazard exposure required at five (5) feet depth. (OSHA)
 - Except in solid rock.
 - May be required if a hazard exists above four (4) or five (5) feet level.
- Excavated or other material stored two (2) or more feet away from an excavation.
- Keep material from falling into an excavation.
- Employee access provided, every twenty-five (25) feet, ladder, ramp or other suitable means.
 - When entering or existing a trench box, personnel protection against a cave-in hazard exposure must be provided.
- Precautions if trees, boulder, utility poles or other objects near the excavation area.
- Determine if utilities are present:
 - Use locator service.
 - Qualified person must identify direct burial type electrical cable.
 - A qualified electrical lineperson must perform work activities that involve physical contact with energized direct burial type electrical cable.
 - A minimum two (2) feet distance maintained between operational mechanical equipment and an energized electrical cable.
- Wells, pits, shafts, etc. barricaded or covered.
- Daily inspection.
 - Aware of changes in conditions...freezing, rainwater, blasting, traffic, etc.
 - Hazardous atmosphere. (Confined Spaces)
- Emergency rescue equipment available.

Excavation, Trenching and Shoring

- Work prohibited if water has or is accumulating in an excavation/trench, unless appropriate precautions (special support or shield system, water removal equipment, harness and lifeline, etc.) are taken to protect occupant(s).
- Stability of adjacent structure, sidewalk, footing, building, etc. is insured.
- Top person required unless equipment operator has a clear view of personnel within the excavation/trench.
- During backfill operations, a top person is continuously required.
- Guardrails must be provided when a walkway or bridge is located four (4) feet or more (WISHA) or six (6) feet or more (OSHA) above the lower excavation/trench surface.
- Sloping requirements:
- Soil types:
 - **Type "A"**: 3/4 Horizontal to 1 Vertical (53 degrees) slope required.
 - Unconfined compressive strength of 1.5 tsf (ton per square foot) or more.
 - Part of a slope or layered system which is greater than 4 horizontal to 1 vertical (4H to 1V)
 - **Type "B"**: 1 Horizontal to 1 Vertical (45 degrees) slope required.
 - Unconfined compressive strength between 0.5 tsf and 1.5 tsf.
 - Granular cohesion less soil. Fissured soil.
 - Previously disturbed soil.
 - Subject to vibration.
 - Unstable dry rock.
 - Part of a sloped or layered system which is less steep than 4 Horizontal to 1 Vertical (4H to 1 V).
 - **Type "C"**: 1.5 Horizontal to 1 Vertical (34 degrees) slope required.
 - Unconfined compressive strength of 0.5 tsf or less.
 - Granular soil.
 - Submerged soil.
 - Water freely seeping from soil.
 - Submerged and unstable rock.
 - Part of a sloped or layered system which is steeper than 4 Horizontal to 1 Vertical (4H to 1 V).

Yost Gallagher Construction Environmental Health and Safety Plan

Air Pollution Control:

The release of an air pollutant is not anticipated. If generated by construction or structural demolition activities, nuisance dust emissions will be controlled by the application of an appropriate wetting agent or, in an interior environment, mechanically collected, appropriately filtered and properly discharged.

In order to minimize the accumulation of pollutant causing material, continuous housekeeping activities will be performed.

Water Pollution Control:

Construction debris or waste material will not be disposed or deposited into or adjacent to a water body or storm sewer receptacle.

Construction tools, equipment, supplies and material will not be stored in a water body.

Toxic waste disposal activities are not anticipated, however, should those activities become a necessity, they will be performed in a manner and in an appropriate location (minimum 300 feet distance away from a water body) that will prevent a water resource contamination incident.

Water quality denigration, in a manner that adversely affects fish or another aquatic species, will not occur.

Stream flow and aquatic specie passageways will remain unobstructed.

Spill Prevention:

Prior to each utilization, construction vehicles, tools and equipment will be inspected and appropriately maintained.

Predicated on construction activity demands and requirements, product inventory volume will be maintained at a minimum feasible level.

In order to reduce inadvertent displacement and to ensure container integrity, a product container will be cautiously transported, handled and properly stored.

A product will be dispensed according to recommendations and mandates promulgated by the manufacturer, industry and applicable regulatory standards.

Flammable or combustible liquid will be stored in and dispensed in an approved and suitable container.

Pedestrian and vehicular travel ways will be designed to allow unobstructed storage area access and transit.

Storage area access will be restricted to authorized personnel.

Material handling equipment will be operated by properly trained and qualified personnel.

During the performance of material handling operations, suitable load securement and stabilization apparatus will be utilized.

Dangerous Waste Management:

Generation or storage of dangerous waste are not anticipated, however, should an inadvertent substance release or discovery incident occur, the following procedures will be implemented:

Personnel will alert coworkers and, if indicated, the public, concerning the occurrence and the existence of an actual, suspected or potential substance release.

Personnel will vacate the incident area.

The appropriate emergency response organization will be notified, by calling: 911.

If calling an alternative telephone is required, personnel will be advised, prior to the beginning of work activities, concerning that requirement.

In each relevant work zone, a list of emergency telephone numbers will be conspicuously displayed.

Supervisory Personnel will evaluate the circumstances surrounding the incident.: If indicated, review information contained in the pertinent Safety Data Sheet (SDS) in order to determine if company personnel *may* safely perform containment, absorption, cleanup and disposal activities and, *if* applicable, select and issue appropriate Personal Protective Equipment (PPE)-and mitigation supplies.

If indicated, fire suppression equipment will be moved into or near the incident area.

If an actual or suspected unsafe or unhealthy environment exists in the incident or adjacent area, personnel will not attempt mitigation activities, alternatively, personnel will:

Totally restrict personnel access to the relevant area(s).

Provide suitable warning to personnel who are in the vicinity of or preparing to enter the incident or surrounding area(s).

Secure the incident area(s) and standby awaiting the arrival of the emergency response department(s) and/or qualified mitigation organization.

Hazardous substance containment, absorption, mitigation and disposal activities will be performed by properly trained and qualified personnel who are employed by a qualified mitigation organization or emergency response department.

An incident will be documented and, if indicated or required, reported to pertinent regulatory and/or other relevant authority.

Solid Waste Management:

The solid waste management program components include:

Product inventory quantity control.

Product inventory monitoring in order to ensure timely and appropriate utilization.

Minimize landfill deposits:

Sell or donate surplus material.

When feasible, recycle material.

Reuse salvage material and supplies, depending on construction requirements and material quality.

Think Sheet

Traffic Flagging

- Properly trained, certified and physically capable personnel.
 - Proper clothing and personal protective equipment.
-
- Hard hat
 - High Visibility Vest
 - Sturdy Insulated Footwear
 - Appropriate shirt and long pants
 - Raincoat
 - Safety Glasses
-
- Proper Equipment:
 - Stop/Slow Paddle
 - Food and Drinking Water
 - First-Aid Supplies
 - Traffic Cones
 - Suitable Signs and Barricades
 - Pencil and Note Pad
-
- Rules of Conduct:
 - Be clearly visible.
 - Never turn your back on traffic.
 - Choose a location that provides the greatest color contrast between you and the background.
 - Stand alone and never in the shade.
 - Establish a crew emergency warning signal.
 - Plan an escape route.
 - Be courteous and professional.
 - Avoid unnecessary conversation.
 - Remain at your flagging station, until properly relieved.
 - Cover, turn or remove warning signs, when they are no longer required.
 - Exercise extreme caution if flagging after the hours of darkness.

Yost Gallagher Construction Substance Abuse Policy

I. Objective:

The Company has a strong commitment to provide a safe work environment for its employees and to establish programs which promote high standards of personal health and safety. Consistent with that commitment, this Substance Abuse Policy is established.

II. Prohibitions:

- a. The unauthorized or unlawful consumption, sale, transfer or possession of alcohol, a drug, a controlled substance and/or "mind altering" substance (except the possession or use of prescribed medication, verified by a current and properly issued prescription) during work hours, (including meal and rest periods), on property or at a worksite which is owned, controlled or managed by the company, in a company owned or controlled vehicle or equipment or in vehicle owned or controlled by an employee, while conducting company business, is prohibited. Violation of this section of the policy will result in disciplinary action which may include termination of employment.
- b. Reporting for work or becoming intoxicated or under the influence of or affected by the consumption of alcohol, (including the consumption of medication which contains alcohol), a drug, a controlled substance and/or a "mind altering" substance during work hours is prohibited. Violation of this section of the policy will result in disciplinary action which may include termination of employment.
- c. An employee utilizing prescribed and/or "over the counter" medication(s) which could adversely affect job safety or performance, must immediately report that fact to his/her supervisor. Knowledge concerning caution and warnings, printed on the medication container label, is the sole responsibility of the employee. Consultation with the employee's attending physician, concerning the affect a substance may have on that employee, may be appropriate. Violation of this section of the policy will result in disciplinary action which may include termination of employment.
- d. The employer reserves the right to conduct a search of property, a vehicle or equipment which is owned, rented, leased or otherwise controlled or managed by the employer, at any time or location. The pertinent employee must cooperate with that search. Failure to cooperate with the search procedure will be grounds for dismissal of the employee, from employment with the company.

The company does not intend to implement a periodic or random substance abuse testing program. Occasionally, the company is required, by contractual obligation, regulation or other mandate, to invoke a supplemental substance abuse policy, promulgated by another entity. Company employee compliance, with the mandates of a supplemental substance abuse policy, is compulsory. A written copy of an auxiliary policy will be provided to each relevant employee.

Suicide Prevention

5 Things You Should Know

Suicide is a leading cause of death among working-age adults in the United States. It deeply impacts workers, families, and communities. Fortunately, like other workplace fatalities, suicides can be prevented. Below are 5 things to know about preventing suicide.

1

BE AWARE

Everyone can help prevent suicide.

Mental health and suicide can be difficult to talk about—especially with work colleagues—but your actions can make a difference. When you work closely with others, you may sense when something is wrong.



2

PAY ATTENTION

Know the warning signs of suicide.

There is no single cause for suicide but there are warning signs. Changes in behavior, mood, or even what they say may signal someone is at risk. Take these signs seriously. It could save a life.



3

REACH OUT

Ask "Are you okay?"

If you are concerned about a coworker, talk with them privately, and listen without judgment. Encourage them to reach out to your Employee Assistance Program (EAP), the human resources (HR) department, or a mental health professional.



4

TAKE ACTION

If someone is in crisis, stay with them and get help.

If you believe a coworker is at immediate risk of suicide, stay with them until you can get further help. Contact emergency services or the [988 Suicide and Crisis Lifeline](https://www.988lifeline.org/).



5

LEARN MORE

Suicide prevention resources are available.

- Call or text the Suicide and Crisis Lifeline at 988.
- Visit the American Foundation for Suicide Prevention (www.afsp.org) to learn more about suicide risk factors, warning signs, and what you can do to help prevent suicide.



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