



Personal Protective Equipment (PPE) Procedure

Every attempt has been made to identify the need and provide appropriate PPE devices according to recognized hazards at the City of Anderson facilities and work sites. All City of Anderson approved PPE devices shall meet or exceed ANSI, NFPA, OSHA, etc., standards.

Supervisors are instructed to train employees before the need or actual use of PPE. Training shall include the appropriate selection, proper adjustment and use, and all manufacturer-recommended care and maintenance of the City of Anderson approved PPE.

If employees are confronted with a hazard for which appropriate PPE and training has not been provided, they are instructed to stop the operations, secure the area, and notify the appropriate supervisor immediately.

Employees are instructed to use good judgment when planning a work operation that requires use of PPE, including consideration of other persons in or near the work area who could be affected or injured without the proper use of necessary PPE.

If a previously unrecognized hazard requiring PPE use is detected, all employees should stop the operation, notify the appropriate supervisory personnel, and complete a City of Anderson hazard analysis form before allowing the operation to continue.

Employees are encouraged to remind fellow employees in a friendly manner if any are observed not using appropriate PPE.

First line supervisors are instructed to insure optimum employee protection from hazards and injuries by inspecting appropriate PPE selection, use, care, and maintenance by all employees at all times.

All City of Anderson employees are instructed to don appropriate PPE when entering a work area where other employees are working and utilizing any type of PPE (see City of Anderson PPE – Requirements by Work Task for detailed information).

City of Anderson

Personal Protection Needs Analysis Form

Employee Name _____ Department _____

Date Form Initiated By Employee ____/____/____ Time _____ : _____ AM / PM

Location of Work Operation: _____

Type of Operation: _____

Hazard: _____

Suggested Type PPE or Device: _____

Alternative (Can Hazard Be Eliminated?): _____

Employees are instructed to stop the operation if a hazard is recognized for which adequate PPE is not provided. Call the appropriate supervisory personnel, and complete this form. If more room is needed, please use additional paper and attach to this form.

Name of supervisor that you notified about this: _____

Are other department's or companies involved? Yes _____ No _____

If Yes, List Name: _____

Supervisor: Forward or fax a copy of this form to the Risk Manager the same day that you received it.

Supervisor Signature: _____

Risk Manager Section: Explain what solution was found: _____

Respiratory Protection Procedure

City of Anderson Employees will not be assigned duties that require actual or possible exposure to respiratory hazards such as oxygen deficiencies or breathing air contaminated with harmful dusts, fogs, fumes, mists, gases, smokes, sprays, vapors, etc., until they have been properly trained.

To be properly trained, employees will have successfully completed this training and will have demonstrated to their supervisor the ability to:

1. Identify the atmospheric hazard(s).
2. Choose and demonstrate use of the appropriate respiratory protection.
3. Properly inspect and perform maintenance on the respirator specific to their work assignments.
4. Complete Qualitative Fit Testing.
5. Perform negative and positive pressure tests.
6. Pass spirometry test and meet other physical requirements.

Engineering controls have been utilized where possible to reduce the possibility of hazardous atmospheric conditions and exposure. All non-exempt employees are instructed to stop the operation, evacuate the area, and notify the appropriate management personnel when any signs of a hazardous atmosphere are suspected.

A yearly review of the City of Anderson Respiratory Protection Program will be conducted in conjunction with the yearly review of the City of Anderson Required Confined Space Program. The review will be completed by August 1st of each calendar year.

City of Anderson health and safety procedures, and training are developed as a result of a concentrated effort that include referring to state and federal regulations, experience, professional consultation, and by solicitation of opinions from non-exempt employees. All health and safety related matters and subjects are very important, but this matter leaves no room for error.

All employees are instructed to strictly adhere to all procedures associated with hazardous atmospheres.

Respiratory Protection Training

Properly selected, maintained, and used respiratory protection will allow employees to function in hazardous atmosphere is necessary.

Successful use of respiratory protection includes the following:

1. Proper identification of the hazard(s) in the atmosphere.
2. Proper selection of respirator protection.
3. Proper training, practice, and maintenance (before the fact).
4. Proper application of safe respiratory procedures.

Generally, City of Anderson employees will not need to don respirators in the everyday execution of job assignments due to engineering controls that have been implemented.

However, when hazardous atmospheres are encountered, your life and/or the life of your fellow workers will depend on your ability to select and properly use the appropriate respirator.

Although all possible precautions are taken to eliminate or reduce the accidental release of hazards in the atmosphere at all of our facilities and operations, the following operations pose a potential threat of accidental release or exposure.

1. The hazards associated with the accidental release while handling large amounts of chlorine necessary to purify wastewater before returning it to the environment.
2. The atmospheric hazards associated with confined spaces (manholes, dry wells, lift stations, water tanks, etc.) pose another threat to life if not identified and eliminated.
3. In-house rescue teams may encounter atmospheric hazards when called upon to render quick emergency aid to fellow employees.

For all these reasons, it is necessary to understand which type respiratory protection is necessary for which type hazard.

There are three (3) types of respirators:

1. Air Purifying – These respirators cleanse the air. Never choose this type respirator for operations where the air might be oxygen deficient.
2. Air Line or Supplied Air Respirators – These respirators are used against oxygen deficiency or air concentrations that are not immediately dangerous to life and health (IDLH).
3. Self-Contained Breathing Apparatus (SCBA) – These respirators can be used against oxygen deficient or contaminated atmospheres. Due to the configuration of openings in many confined spaces, this type respirator does not afford the mobility that supplied air lines do, and therefore is not always functional for rescue-type operations.

Employees that are required to wear/use respirators must be physically examined by a physician, and the examination must include a Spirometry test.

The Spirometry test measure's a person's ability to inhale and exhale with enough force to breathe under the accelerated breathing conditions necessary for respirator use, including the physical demands associated with confined space entry and confined space rescue operations.

After a company physician approves employees for respirator use, they must be thoroughly trained in the selection; care and use of the respirator, including qualitative fit testing and pressure fit testing.

Proper care and storage is important due to the bad effect sunlight, oil, grease, sand, etc. can have on various respirator parts.

Facial stubble, long hair, sideburns, beards, prescription glasses, skullcaps, etc., tend to inhibit the proper face piece seal.

All respirators shall be inspected before and after every use for worn, broken, or damaged parts.

All respirators that are intended for use by rescue personnel will be inspected before and after every use and maintain a minimum of one time every month, and the monthly inspection will be documented on the appropriate form.

If a respirator is to be worn by more than one employee, it shall be cleaned and disinfected after each use.

Negative and positive pressure tests shall be implemented before entering any hazardous atmosphere. You cannot be too careful when it comes to ensuring the quality of the air you breathe in a hazardous atmosphere.

Fit Testing: To ensure that the face piece that you have been issued is the proper size, it will be necessary for employees to be fit tested. This is the process of placing a hood over the head with your face piece on. A substance is introduced into the hood that has a very detectable odor.

Negative Pressure Test: After properly adjusting the straps on your face piece, block off the inhalation inlets with your hand or squeeze the tube, inhale gently until the face piece starts to collapse, and hold your breath for at least ten (10) seconds. If the face piece goes back down to normal while conducting this test, you need to re-adjust and try the test again. If that does not provide you with a proper seal, you will need to try a different size face piece.

Positive Pressure Test: After properly adjusting your face piece and tightening the straps, cover the exhalation valve with the palm of your hand and blow outward gently until you feel the face piece filling up with air, and hold your breath for a minimum of ten (10) seconds. If the face piece shrinks back down to normal, re-adjust and try the test again. If that does not provide you with the proper seal, you will need to try a different size face piece.

Inspection, Cleaning and Disinfection: Carefully follow the manufacturer's instructions regarding disassembling, inspecting, cleaning, and disinfecting your respirator face piece.

Frequent cleaning with mild dish soap and warm water will usually keep your respirator parts clean without the need for stronger cleaning agents. After properly cleaning, rinse thoroughly in warm to hot water and allow to air dry before re-assembling.

Pressurized air tanks, supports, straps, and holders must be inspected and maintained at the same frequencies as the rest of your respirator. Again, you must follow manufacturer's recommended intervals, procedures, and tool usage guidelines.

Airline supply hoses must be checked for holes or excessive wear, and care should be taken to properly dry them after cleaning. To do this, stretch the hose and dry with a soft dry cloth. Never use solvents to clean plastic or rubber parts or elastomer parts.

Regulators, valves, supply lines, tanks, straps, brackets, etc. shall all be inspected and properly maintained at the same intervals as respirators.

Leak checks are necessary and very important to ensure that the whole air supply will be available when most needed. Check manufacturer's recommended procedures and intervals. As with all inspections of respiratory protection equipment, documentation is required on the appropriate form.

An authorized employee trained to do so must replace all broken, worn, frayed, misshaped, cracked, bent, or otherwise damaged parts with the other parts.

All air and oxygen cylinders shall be fully charged and alarms checked according to the manufacturer's specifications. Respirators shall be stored in a dry, clean place away from direct sunlight.

Personal Protective Equipment (PPE) Requirements By Work Task

The following guidelines represent the minimum personal protective equipment (PPE) requirements for specific tasks performed within the City of Anderson organization. Although these minimum requirements have been developed after careful research and review, there will be occasions where additional PPE may be needed. In such cases that affected employee(s) shall be responsible for recognizing unusual hazards, reporting the hazard to their supervisor, and using appropriate PPE as required by the nature of the job. **These guidelines do not eliminate or reduce the employee(s) personal responsibility for using proper personal protective equipment.**

City of Anderson employees are never prohibited from wearing PPE in addition to that which is required, and is encouraged to do so. Should any City employee recognize deficiencies in these guidelines or become aware of any unsafe condition in the work place, they are directed to immediately notify their supervisor or any other manager in the Department so that corrective action can be taken.

Table of Contents

<u>Work Task</u>	<u>Page #</u>
Aerial Lift Truck Operations (Energized)	12
Aerial Lift Truck Operations (Non-energized)	12
Air Cylinders (Refilling) – FIRE	12
Asphalt, Compacting	12
Asphalt, Grinding	12
Asphalt, Patching	13
Asphalt, Placing	13
Asphalt, Smoothing	13
Back Filing (Manual)	13
Back Filing (Mechanical)	13
Back Pack Blower Operation	14
Battery / Handling Acid Filled Batteries	14
Brick/Block, Chipping	14
Brick/Block, Cleaning	14
Brick/Block, Laying	14
Brick/Block, Laying (in a Manhole/Catch Basin)	15
Bush Axe Use	15
Cement/Mortar Mixing	15
Chain Saw Operation	15
Chemical Application	16
Chipper/Composting	16
Concrete Cleaning	16
Concrete, Hauling	16
Concrete, Finishing	16-17
Concrete, Pouring	17
Concrete, Removal	17
Concrete, Removal of Forms	17
Concrete, Saw Cutting	17-18
Concrete, Setting Forms	18
Digging, Hand (Shovel)	18
Edger /Hedge Trimmer Operation	18
Fill Water Wagon	18
Garbage Collection (Manual)	19
Garbage Collection (Roll-out Carts)	19
Grinders	19
Hammering	19
Impact Tools	19
Jack Hammer Operations	20
Knuckle-boom Operation	20
Leaves, Racking	20
Leaves, Vacuuming	20
Litter/Debris Collection	21
Loading/Unloading Material (Manual)	21

Table of Contents (Continued)

<u>Work Task</u>	<u>Page #</u>
Loading/Unloading Material (Machine)	21
Mower Operations	21
Pipe, Laying	21
Pipe, Saw Cutting	22
Pipe, Sealing	22
Police, Animal Control	22
Police, Bicycle Patrol	22
Police, Evidence Handling	22
Police, Firearm Training	23
Police, Motorcycle Patrol	23
Police / Other (Narcotic, Detectives)	23
Police / Uniform Officer	23
Pre-Trip Inspection	23
Pressure Washing	23-24
Rebar Cutting (with Torch)	24
Rebar Cutting (Mechanical)	24
Recycling Truck Operation	24
Sanding Intersections/Roads (Manual)	24
Sanding Intersections/Roads (Sand Truck)	24
Sewer, Chemical Application	25
Sewer, Dye Testing	25
Sewer, Foaming Operation (Root Control)	25
Sewer, Greasing Motors and Pumps	25
Sewer, Jetting Lines	25
Sewer, Lift Station Maintenance	26
Sewer, Manhole Entry	26
Sewer, Plugging Lines	26
Sewer, Raise/Remove Manhole Rings	26
Sewer, Smoke Testing	27
Sewer, TV Inspection	27
Sewer, Vacuuming Lines/Manholes	27
Sign/Signal, Bucket Truck Hydraulic Chain Saw	27
Sign/Signal, Sign/Pole Installation	27
Sign/Signal, Cable Trailer/Pulling Cable	28
Sign/Signal, Wire Stripping	28
Sign/Signal, Working Around Electrical Wires	28
Snow Plow/Sander Mounting	28
Snow Plow Operation	28
Storm Drain, Flushing/Jetting	29
Storm Drain, Placement of Catch Basins	29
Storm Drain, Removing Grates/Covers	29
Storm Drain, Rodding (Mechanical)	29
Storm Drain, Vacuuming (Vac-Con)	30

Table of Contents (Continued)

<u>Work Task</u>	<u>Page #</u>
String Trimmer Operation (Weedeaters)	30
Sweeping (Manual)	30
Sweeping /Vacuuming (Mechanical)	30
Tack Application	30
Tamping	31
Tractor Operations	31
Traffic Loops, Saw Cutting	31
Tree Debris Removal	31
Trenching	31
Welding	32

TASK: AERIAL LIFT TRUCK OPERATIONS (ENERGIZED)

Safety Equipment Required:

Hard Hat
Electrical Gloves
Fiberglas/Rubber Boots
Safety Harness
Safety Vest

Safety Procedures Required:

Traffic Control
Energized Power Line Procedures
Chain Saw Procedures (when applicable)
C-9970 Detector Procedures

TASK: AERIAL LIFT TRUCK OPERATIONS (NON-ENERGIZED)

Safety Equipment Required:

Hard Hat
Electrical Gloves
Fiberglas/Rubber Boots
Safety Harness
Safety Vest

Safety Procedures Required:

Traffic Control
Chain Saw Procedures (when applicable)
Energized Power Line Procedures (distance requirement)

TASK: AIR CYLINDERS (REFILLING)

Safety Equipment Required:

Face Shield

TASK: ASPHALT, COMPACTING

Safety Equipment Required:

Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: ASPHALT, GRINDING

Safety Equipment Required

Hearing Protection
Safety Glasses/Safety Goggles
Safety Vest
Steel Toe Boots

Safety Procedures Required:

Traffic Control

- TASK: ASPHALT, PATCHING**
Safety Equipment Required:
Safety Glasses
Safety Vest
Leather Gloves
Steel Toe Boots
Safety Procedures Required:
Traffic Control
- TASK: ASPHALT, PLACING**
Safety Equipment Required:
Safety Glasses
Safety Vest
Leather Gloves
Steel Toe Boots
Safety Procedures Required:
Traffic Control
- TASK: ASPHALT, SMOOTHING**
Safety Equipment Required:
Safety Vest
Leather Gloves
Steel Toe Boots
Safety Procedures Required:
Traffic Control
- TASK: BACK FILLING (MANUAL)**
Safety Equipment Required:
Safety Glasses
Safety Vest (where applicable)
Leather Gloves
Steel Toe Boots
Safety Procedures Required:
Traffic Control (where applicable)
- TASK: BACK FILLING (MECHANICAL)**
Safety Equipment Required:
Hearing Protection
Safety Glasses
Safety Vest (where applicable)
Leather Gloves (encouraged)
Safety Procedures Required:
Traffic Control (where applicable)

TASK: BACK PACK BLOWER OPERATION

Safety Equipment Required:

Safety Goggles
Hearing Protection
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control
Hand and Power Tool Procedures

TASK: BATTERY/ HANDLING ACID FILLED

Safety Equipment Required:

Face Shield
Rubber Gloves
Steel Toe Shoes

Safety Procedures Required:

Proper Lifting Procedures

TASK: BRICK / BLOCK CHIPPING

Safety Equipment Required:

Safety Glasses/Goggles
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Hand and Power Tool Procedure

TASK: BRICK / BLOCK CLEANING

Safety Equipment Required:

Safety Glasses (with steel brush)
Safety Goggles (with acid)
Leather Gloves (with steel brush)
Rubber Gloves (with acid)
Steel Toe Boots

Safety Procedures Required:

Traffic Control, Vehicle and/or Pedestrian

TASK: BRICK / BLOCK LAYING

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control
Proper Lifting Procedures

TASK: BRICK /BLOCK LAYING (IN A MANHOLE CATCH BASIN)

Safety Equipment Required:

- Hard Hat
- Safety Glasses
- Face Shield (if splash hazard exists)
- Thick Rubber Gloves (in existing sewer)
- Steel Toe Boots
- Confined Space PPE

Safety Procedures Required:

- Confined Space Procedures

TASK: BUSH AXE USE

Safety Equipment Required:

- Hard Hat
- Safety Glasses
- Safety Vest (where applicable)
- Leather Gloves
- Steel Toe Boots

Safety Procedures Required:

- Hand and Power Tool Procedures

TASK: CEMENT / MORTAR MIXING

Safety Equipment Required:

- Safety Glasses
- Leather Gloves
- Hearing Protection (while using Power Mixer)
- Steel Toe Boots

Safety Procedures Required:

- Traffic Control (where applicable)

TASK: CHAIN SAW OPERATION

Safety Equipment Required:

- Hard Hat
- Safety Glasses/Goggles
- Hearing Protection
- Safety Vest (where applicable)
- Gloves
- Chaps
- Steel Toe Boots

Safety Procedures Required:

- Traffic Control (where applicable)
- Chain Saw Procedures

TASK: CHEMICAL APPLICATION

Safety Equipment Required:

Safety Goggles
Face Shield
Rubber Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control, Vehicle and/or Pedestrian
HAZCOM

TASK: CHIPPER / COMPOSTING

Safety Equipment Required:

Hard Hats
Safety Gloves
Safety Goggles
Steel Toe Boots
Dust Mask
Hearing Protection
Safety Vest

Safety Procedures Required:

Traffic Control
Hand and Power Tool Procedures

TASK: CONCRETE CLEANING

Safety Equipment Required:

Safety Glasses
Safety Goggles/Face Shield (with chemicals)
Rubber Gloves (with chemicals/acids)
Steel Toe Boots

Safety Procedures Required:

HAZCOM

TASK: CONCRETE HAULING

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control (where applicable)

TASK: CONCRETE FINISHING

Safety Equipment Required:

Safety Goggles (while using curing compounds)
Safety Vest (where applicable)
Gloves

TASK: CONCRETE FINISHING (continued)

Safety Equipment Required:

Knee Pads
Steel Toe Boots
Hard Hats (if below other workers)

Safety Procedures Required:

Traffic Control
HAZCOM (for curing compounds)

TASK: CONCRETE POURING

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Safety Vest
Leather Gloves
Rubber Boots
Steel Toe Boots

Safety Procedures Required:

Traffic Control (where applicable)

TASK: CONCRETE REMOVAL

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: CONCRETE, REMOVAL OF FORMS

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: CONCRETE, SAW CUTTING

Safety Equipment Required:

Face Shield
Hearing Protection
Safety Vest

TASK: CONCRETE, SAW CUTTING (continued)

Hearing Protection
Leather Gloves
Steel/Fiberglass Toe Boots

Safety Procedures Required:

Traffic Control
Hand and Power Tool Procedures

TASK: CONCRETE, SETTING FORMS

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Safety Vest
Leather Gloves
Knee Pads
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: DIGGING, HAND (SHOVEL)

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control (where applicable)

TASK: EDGER/HEDGE TRIMMER OPERATION

Safety Equipment Required:

Safety Glasses
Hearing Protection
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Hand and Power Tool Procedures

TASK: FILL WATER WAGON

Safety Equipment Required:

Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control (where applicable)

TASK: GARBAGE COLLECTION (MANUAL)

Safety Equipment Required:

Safety Glasses
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: GARBAGE COLLECTION (ROLL-OUT CARTS)

Safety Equipment Required:

Safety Vest
Leather Gloves
Steel Toe Boots
Safety Glasses

Safety Procedures Required:

Traffic Control

TASK: GRINDERS

Safety Equipment Required:

Safety Glasses
Gloves
Dust Mask
Hearing Protection
Steel Toe Boots

Safety Procedures Required:

Hand and Power Tool Procedures

TASK: HAMMERING

Safety Equipment Required:

Safety Glasses

Safety Procedures Required:

Hand and Power Tool Procedures

TASK: IMPACT TOOL OPERATIONS

Safety Equipment Required:

Safety Glasses
Steel Toe Boots

Safety Procedures Required:

Hand and Power Tool Procedures

TASK: JACKHAMMER OPERATION

Safety Equipment Required:

- Hard Hat (if working below other workers or materials)
- Safety Glasses
- Hearing Protection
- Dust Mask
- Safety Vest
- Leather Gloves
- Steel Toe Boots

Safety Procedures Required:

- Traffic Control
- Underground Utility Locations

TASK: KNUCKLE-BOOM OPERATION

Safety Equipment Required:

- Hard Hat (if below other workers or materials)
- Safety Vest
- Safety Glasses

Safety Procedures Required:

- Traffic Control
- Energized Power Line Procedures

TASK: LEAVES, RAKING

Safety Equipment Required:

- Safety Glasses
- Safety Vest
- Leather Gloves
- Steel Toe Boots

Safety Procedures Required:

- Traffic Control (where applicable)

TASK: LEAVES, VACUUMING

Safety Equipment Required:

- Dust Mask
- Hearing Protection
- Safety Glasses
- Safety Vest
- Leather Gloves
- Steel Toe Boots

Safety Procedures Required:

- Traffic Control

TASK: LITTER / DEBRIS COLLECTION

Safety Equipment Required:

Safety Vest
Leather Gloves

Safety Procedures Required:

Traffic Control

TASK: LOADING / UNLOADING MATERIAL (MANUAL)

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses (if splash or debris hazard exist)
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control (where applicable)

TASK: LOADING / UNLOADING MATERIAL (MECHANICAL)

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses (if splash or debris hazard exist)
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control (where applicable)

TASK: MOWER OPERATIONS

Safety Equipment Required:

Hearing Protection
Safety Glasses
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control, Vehicle and Pedestrian

TASK: PIPE, LAYING

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Vest (where applicable)
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control (where applicable)
Trenching and Shoring Procedures
Confined Space Procedures

TASK: PIPE, SAW CUTTING

Safety Equipment Required:

Hearing Protection

Safety Glasses

Safety Vest

Safety Procedures Required:

Traffic Control (where applicable)

TASK: PIPE, SEALING

Safety Equipment Required:

Hard Hat (if working below other workers or materials)

Safety Glasses

Leather Gloves

Steel Toe Boots

Safety Procedures Required:

Traffic Control

Trenching and Shoring Procedures

Confined Space Procedures

TASK: POLICE / ANIMAL CONTROL

Safety Equipment Required:

Catch Stick

Gloves

Pepper Spray

Weapon

Safety Procedures Required:

Traffic Control (where applicable)

TASK: POLICE / BICYCLE PATROL

Safety Equipment Required:

Eye Protection

Gloves

Handcuffs

Helmet

Vest-Body Armor

Weapon

Safety Procedures Required:

Traffic Control (where applicable)

TASK: POLICE/ EVIDENCE HANDLING

Safety Equipment Required:

Safety Gloves

Safety Glasses

Body Protection (when necessary)

Safety Procedures Required:

HAZCOM

TASK: POLICE / FIREARM TRAINING

Safety Equipment Required:

Hearing Protection
Safety Glasses

TASK: POLICE / MOTORCYCLE PATROL

Safety Equipment Required:

Helmet
Eye Protection
Gloves
Handcuffs
Vest-Body Armor
Weapon

Safety Procedures Required:

Traffic Control (where applicable)

TASK: POLICE / OTHER (NARCOTICS, DETECTIVES)

Safety Equipment Required:

Handcuffs
Vest-Body Armor (required when high risk situation is expected)
Weapon

Safety Procedures Required:

Traffic Control (where applicable)

TASK: POLICE / UNIFORM OFFICER

Safety Equipment Required:

Handcuffs
Vest-Body Armor
Weapon

Safety Procedures Required:

Traffic Control (where applicable)

TASK: PRE-TRIP INSPECTION

Safety Equipment Required:

Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control (where applicable)

TASK: PRESSURE WASHING

Safety Equipment Required:

Safety Glasses
Safety Shield (with chemicals)
Hearing Protection (follow equip. mfg. recommendations)
Steel Toe Boots

TASK: PRESSURE WASHING (Continued)

Safety Procedures Required:

Traffic Control (where applicable)
HAZCOM (with chemicals)

TASK: REBAR CUTTING (WITH TORCH)

Safety Equipment Required:

Cutting Goggles
Long Sleeves
Long Welding Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control, Vehicle and Pedestrian

TASK: REBAR CUTTING (MECHANICAL)

Safety Equipment Required:

Safety Goggles
Leather Gloves
Steel Toe Boots

TASK: RECYCLING TRUCK OPERATIONS

Safety Equipment Required:

Safety Glasses/Goggles
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: SANDING INTERSECTIONS / ROADS (MANUAL)

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: SANDING INTERSECTIONS / ROADS (SAND TRUCK)

Safety Equipment Required:

Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: SEWER, CHEMICAL APPLICATION

Safety Equipment Required:

Face Shield
Rubber Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control (where applicable)
HAZCOM

TASK: SEWER, DYE TESTING

Safety Equipment Required:

Safety Glasses
Rubber Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: SEWER, FOAMING OPERATION (ROOT CONTROL)

Safety Equipment Required:

Face Shield
Hearing Protection
Rubber Gloves
Rubber Apron
Steel Toe Boots

Safety Procedures Required:

Traffic Control
Confined Space Procedure
HAZCOM

TASK: SEWER / GREASING MOTORS AND PUMPS

Safety Equipment Required:

Safety Gloves
Safety Glasses

Safety Procedures Required:

Lock- Out / Tag- Out Procedure

TASK: SEWER, JETTING LINES

Safety Equipment Required:

Hard Hats
Safety Glasses
Hearing Protection
Rubber “Gripper” Gloves
Safety Vest
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: SEWER, LIFT STATION MAINTENANCE

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Hearing Protection
Safety Vest (where applicable)
Rubber Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control (where applicable)
Confined Space Procedure
Lock-Out / Tag-Out Procedure

TASK: SEWER, MANHOLE ENTRY

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Face Shield (if splash hazard exists)
Rubber Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control, Vehicle and Pedestrian
Confined Space Procedure

TASK: SEWER, PLUGGING LINES

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses/Face Shield (if splash hazard exists)
Rubber Gloves
Rubber Boots
Steel Toe Boots

Safety Procedures Required:

Traffic Control, Vehicle and/or Pedestrian
Confined Space Procedure

TASK: SEWER, RAISE / REMOVE MANHOLE RINGS

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: SEWER, SMOKE TESTING

Safety Equipment Required:

Safety Glasses
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: SEWER, TV INSPECTION

Safety Equipment Required:

Safety Vest
Rubber “Gripper” Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control
Confined Space Procedure (if entry is likely)

TASK: SEWER, VACUUMING LINES / MANHOLES

Safety Equipment Required:

Hard Hat
Safety Glasses
Safety Vest
Rubber “Gripper” Gloves
Steel Toe Boots
Hearing Protection (exception: when traffic hazard exist)

Safety Procedures Required:

Traffic Control

TASK: SIGN/SIGNAL – BUCKET TRUCK HYDRALIC CHAIN SAW

Safety Equipment Required:

Hard Hat
Safety Glasses
Body Harness
Gloves
Fiberglas Safety Shoes
Hearing Protection

Safety Procedures Required:

Traffic Control

TASK: SIGN/SIGNAL – SIGN AND POLE INSTALLATION

Safety Equipment Required:

Fiberglas Safety Shoes
Back Brace (optional)
Gloves

Safety Procedures Required:

Traffic Control

TASK: SIGN/SIGNAL – CABLE TRAILER/PULLING CABLE

Safety Equipment Required:

Safety Shoes (Electrical Hazard Rated)
Back Brace (optional)
Gloves

Safety Procedures Required:

Traffic Control

TASK: SIGN/SIGNAL – WIRE STRIPPING

Safety Equipment Required:

Gloves (Electrical Hazard Rated)
Safety Shoes (Electrical Hazard Rated)

Safety Procedures Required:

Cut away from self whenever possible

TASK: SIGN/SIGNAL–WORKING AROUND ELECTRICAL WIRES

Safety Equipment Required:

Gloves (Electrical Hazard Rated)
Safety Shoes (Electrical Hazard Rated)

Safety Procedures Required:

Energized Power Line Procedures
C-9970 Detector Procedures

TASK: SNOW PLOW / SANDER MOUNTING

Safety Equipment Required:

Hard Hat
Safety Glasses
Leather Gloves
Thermal Wear
Steel Toe Boots

Safety Procedures Required:

Traffic Control, Vehicle and/or Pedestrian
Vehicle Inspection Procedure

TASK: SNOW PLOW OPERATION

Safety Equipment Required:

Safety Glasses (Dark)
Safety Vest
Gloves
Thermal Wear
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: STORM DRAIN, FLUSHING / JETTING

Safety Equipment Required:

Hearing Protection (exception: when a traffic hazard exists)
Hard Hat
Safety Glasses
Safety Vest
Rubber “Gripper” Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control
Confined Space Procedure (if entry is likely)

TASK: STORM DRAIN, PLACEMENT OF CATCH BASINS

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Hearing Protection
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: STORM DRAIN, REMOVING GRATES / COVERS

Safety Equipment Required:

Hard Hat (if working below other workers or materials)
Safety Glasses
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: STORM DRAIN, RODDING (MECHANICAL)

Safety Equipment Required:

Hard Hat
Safety Glasses
Hearing Protection
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control
Confined Space Procedure (if entry is likely)

TASK: STORM DRAIN, VACUUMING (VAC-CON)

Safety Equipment Required:

Hard Hat
Safety Glasses
Hearing Protection
Safety Vest
Rubber “Gripper” Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: STRING TRIMMER OPERATION (WEEDEATERS)

Safety Equipment Required:

Safety Glasses
Hearing Protection
Leather Gloves
Long Pants
Steel Toe Boots

Safety Procedures Required:

Traffic Control, Vehicles and/or Pedestrian
Hand and Power Tool Procedure

TASK: SWEEPING (MANUAL)

Safety Equipment Required:

Safety Glasses
Safety Vest (when in traffic areas)
Leather Gloves
Steel Toe Boots

TASK: SWEEPING / VACUUMING (MECHANICAL)

Safety Equipment Required:

Safety Glasses
Hearing Protection
Safety Vest
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: TACK APPLICATION

Safety Equipment Required:

Safety Glasses
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: TAMPING

Safety Equipment Required:

Safety Glasses
Hearing Protection
Safety Vest
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: TRACTOR OPERATIONS

Safety Equipment Required:

Seat Belt
Safety Glasses
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control, Vehicle and Pedestrian

TASK: TRAFFIC LOOPS, SAW CUTTING

Safety Equipment Required:

Safety Glasses
Dust Mask (when dry cutting)
Hearing Protection
Leather Gloves
Steel/Fiberglass Toe Boots

Safety Procedures Required:

Traffic Control

TASK: TREE DEBRIS REMOVAL

Safety Equipment Required:

Safety Glasses
Hard Hat
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control

TASK: TRENCHING

Safety Equipment Required:

Hard Hat
Safety Glasses
Safety Vest
Leather Gloves
Steel Toe Boots

Safety Procedures Required:

Traffic Control
Trenching and Shoring Procedures

TASK: WELDING

Safety Equipment Required:

Welding Shield

Long Sleeve Shirt/Welding Jacket

Long Welding Gloves

Steel/Fiberglass Toe Boots

Safety Procedures Required:

Traffic Control (where applicable)