



Certification of Hazard Assessment

This certifies that a general hazard assessment was completed for Tate Engineering Systems Inc. facilities in accordance with CFR 1910.132(d), on July 15th, 2014. The following general hazards have been identified and Personal Protective Equipment and or risk mitigation has been designated for the identified hazards in an effort to eliminate/reduce these hazards to the greatest extent possible:

<u>TITLE/TASK</u>	<u>POTENTIAL HAZARD</u>	<u>PPE / MITIGATION REQUIRED</u>
Working/walking through warehouse or client site	Flying debris/caps/falling material	N95 mask or other for COVID Protection Safety glasses with side shields, goggles and face shields as needed based on task Vest to increase visibility as needed Steel toe shoes Screens and barrier erected as needed to prevent contact with pedestrians Machine guards in place Modify work location to reduce exposure for client PPE Training and Certification
Working in warehouse or client site in areas where loads are moved	Strains and Sprains, struck by, struck against, slip trip fall, fall from height	N95 mask or other for COVID Protection Safety glasses with side shields, goggles and face shields as needed based on task Vest to increase visibility as needed Steel toe shoes Screens and barrier erected as needed to prevent contact with pedestrians Machine guards in place Modify work location to reduce exposure for client Lift devices and material handling tools provided PFAS as needed Safe Lift and Back Safety Training Tool Safety JHA Training
Working /walking thorough warehouse or client site	Slips and Falls – struck by struck against	Good Housekeeping practices, shoes that have good tread and cover entire foot no open toe open heel shoes PPE Training and Certification
Working /walking thorough warehouse or client site	Potential for foot injury	PPE Reimbursement for safety shoes annually TECHNICIANS wear ANSI rated safety shoes and metatarsil guards as required PPE Training and Certification
Working in warehouse or client site	Noise	Hearing Protection for 85 decible and above Hearing Conservation Training PPE Training and Certification

Working in warehouse or client site	Cuts, abrasion, laceration to hands/arms	Cut resistant gloves and sleeves as needed, long sleeved uniforms Tool Use and Machine Guarding Training includes: Use only safety style box cutters; no personal non-safety knife use Tool Safety Training Machine Guard Training
Working in warehouse or client site	Compressed air struck by	Post signs in building prohibiting compressed air used on self Compressed Air Safety Training
Technician servicing client site	Exposure to BBP, First aid incident	First Aid Kits and BBP Kits and Eye wash issued for trucks HEP Declination FORM Annually Hazard Assessment Training First Aid and CPR Traiing Annually BBP Training
Technician servicing client site	Spill	Spill Kits issued to each truck Spill Prevention and Enviromental Waste Training
Technician servicing client site	Electrical Shock	Issue GFCI to all technicians for use at job site No lone workers CPR and First Aid Training Assured Ground Fault Protection Program Training and Inspections Quarterly LOTO Training and Certification Electrical Safety Training Tool Safety Training
Technician servicing client site	Falls from hieght	Full body harness and lanyard issued with PPE, documented inspections annually No lone worker in PFAS Fall Protection Training , inspections pre use Ladders Safety Training , inspections pre use, tagged for inspection criteria Scaffold Safety Training , inspections daily by Competant Person
Technician servicing client site	Use of Oils/Solvents/lubricates	Face Sheild, apron, chemical resistant gloves PPE available as needed Flammable waste cans available and emptied daily Flammable Storage cabinets available HAZCOM Training and Certification Flammable Liquid Training Chemcial Safety
Technician servicing client site	Crush Hazard	Lifting Straps and hoists Training on safe use of lifting straps, hoists and cranes training
Technician servicing client site Using Compressed Gas cylindars	Explosion	Only trained authorized personel are permitted to handel compressed gas cylindars. Cylindars must be stored, handeled and transported in accordance

		with Compressed Gas Cylinder Safety Guidelines Compressed Gas Safety Training
Technician servicing client site Electrical work	Arc Flash	Gloves, hard hat with full face shield, protective clothing with Cal/cm ² rating for each category Bi-annual exchange of Arc Gloves Only employees certified in live energized electrical work are Authorized to do energized electrical work Energy Control Procedures required by clients Panels must have rating posted before work completed No lone workers Use of Energize Electrical Work PERMIT Arc Flash Training and PPE LOTO Training and Certification
Welding	Burns and Eye Damage, fire	Protective gloves, sleeves, apron, shoes and welding shield, screen No smoking permitted within 50' of hot work and only certified welders are permitted to weld Fire Watch with no other duties for 1 hour after work completed 2 fire extinguishers at the ready No lone workers Hot Work and Fire Prevention Plan and EAP Training Use of Hot Work PERMIT
Forklift Operations Truck Loading/Unloading	Truck Movement/Forklift Fall/Operator Injury/struck by PIT/struck against	Only Authorized and PIT Trained Certified Operators can operate PIT Seatbelts must be worn; Wheel chocks or dock locks in use at all times Pre use daily inspection PIT Certification for Operators Work place Hazard Assessment completed 3 Year Annual Review of PIT Operator PIT Safety Training for pedestrians
Forklift Operations Propane storage and exchange	Potential risk of fire or explosion	No smoking permitted within 50' of storage rack and only certified operators are permitted to exchange tanks Compressed Gas Cylinder Safety Training Flammable Liquid Training
Forklift Operations Forklift Refueling (LP Powered)	Freezing/Burns to hands	Protective gloves; safety glasses or goggles Compressed Gas Cylinder Safety Training
Forklift Operations Forklift Battery Maintenance	Acid Burns to hands or face	PIT Maintenance only completed by authorized maintenance provider Safety glasses, face shield, apron, chemical resistant gloves. chemical resistant Eyewash capability.

Yard / Lot Duties in low light	Struck by vehicles	Safety Vest Training on Safe Driving
Confined Space Entry	Exposure to carbon monoxide, deficient oxygen, flammable gas hydrogen sulfide, energized system, fire, struck by	Use of gas monitor continuous to work Certificate of Confined Space Training Rescue contact in place before entry and retrieval lines always in use for entrant Attendant ALWAYS on duty no other tasks Confined Space monitor calibration on schedule No lone workers Bump Testing of ALTAIR 4x and annual training Confined Space Permit Confined Space Training Annually Training CPR and First Aid Training LOTO Training and Certification
Respiratory Protection during any type of exposure to refractory	Inhalation Hazard	Medical Evaluation and Fit test for respirators with P100 filter N95 Respirator issued Respiratory Protection Training Annually
Driving CMV	Struck by, struck against	DVIR required daily MVR Review and Certificate of Violations completed annually Periodic Inspections as per FMCSR Safe Driver Training
Fatigue, stress	Struck by, struck against, fall	Safety Concerns Stop Work Authority Training Incident Response Training Fatigue and Stress Awareness Training

Personal Protective Equipment (PPE)

Personal Protective Equipment is the last line of defense when it comes to protecting our workforce from injury. PPE consists of items such as gloves, goggles, safety glasses, safety shoes, etc. PPE is considered mobile and usually travels with the worker from job to job site.

Each manager is responsible for ensuring designated PPE is available, in good working order, clean and used as appropriate. PPE may not be modified in anyway, i.e. removing cord from ear plugs.

All new employees will be informed of the PPE requirements as part of their New-hire Orientation, at least once every three years and when through observation or incident it is believed that the employee has not retained the necessary information and skills to properly use PPE. PPE Training is required when new hazardous circumstance arises in the employee's job task. An employee's failure to use required PPE could result in disciplinary action.

Tate Engineering Systems Inc. operations necessitate the use of the following PPE:

- Fall Protection body harness with lanyard
- ANSI Rated Safety Shoes
- Hearing Protection for 85 decibel TWA
- Gloves (Chemical, cut, heat arc flash resistant, leather, synthetic grip or rubber as appropriate)
- Safety Glasses and or goggles

- Face Shields (arc flash, welding, chemical resistant)
- Arc Flash protective clothing with hard hat
- Confined Space rescue equipment
- Particulate Respirators

The training shall provide each employee who is required to wear PPE:

- When PPE is necessary & where
- How to properly fit and wear PPE
- The limitations of the PPE
- The proper care, maintenance, useful life and disposal of the PPE Employee owned PPE
- Location of PPE