

## Miami EW Tank House Entry Requirements

Revision 03/03/2019

### 1. Purpose and Scope

The purpose of this document is to provide guidance regarding the minimum training, and personal protective equipment (PPE) requirements necessary to enter the Miami EW (Tank House). This guidance document applies to all employees, contractors, vendors, and others working/visiting the EW (Tank House).

### 2. Control Points

Any point of entry into the Miami EW (Tank House) Facility.

### 3. Responsibilities

It is the responsibility of every person entering the EW (Tank House) facility to understand and comply with all the requirements set forth. If you are unsure, ask an area supervisor for help.

### 4. Definition of the Cell Line Work Zone

42" outside the active cell line

96" above the active cell line

Anything below the active cell line

### 5. Training Requirements for Persons Entering the Miami EW (Tank House) Facility.

#### I. EW Electrical safety Awareness and Access Policy (Technical Training) FCX-26

- a. FCX-26 Training must be provided to all employees and contractors who are authorized, affected, competent or qualified and assigned to perform tasks in the EW (Tank House) work zone. This training shall be completed upon initial assignment prior to work commencing.
- b. Refresher training shall be completed annually.
- c. All training will be documented and kept readily available/accessible.

#### II. **Visitor:** Any person who is a Non-authorized person for work in the EW facility, visitors can include employees, contractors, regulators, emergency responders, and vendors.

- a. The visitor awareness training video must be provided to all visitors who have or may have the potential to be present in the EW (Tank House) cell line work zone. This training shall include an overview of hazards of the area. Authorized personnel must accompany all visitors.
- b. **Authorized Personnel:** Authorized Personnel escorting visitors are qualified employees that have been trained and successfully completed the FCX-26 EW Electrical safety training.

## 6. Signing In Signing Out with the EW (Tank House) Control Room

- a. All Employees, Visitors, and Contractors not assigned to the EW (Tank House) must sign in and sign out in the EW Tank House control room every day.
- b. **Signing In:** Signing in must be done when you first arrive prior to beginning work.
- c. **Signing Out:** Signing out must be done any time you leave the EW (Tank House) facility.

**Note:** Signing in and signing out is a part of our emergency plan, the sign in sheet is used for a head count of all affected employees visiting the EW (Tank House).

## 7. EW (Tank house) mobile equipment Interaction

- a. All personnel driving within the outer areas of the EW (Tank House) facility may encounter employees on foot and other mobile equipment such as Maintenance buggy's, boom trucks, light vehicles, Vac trucks, and fork lifts, be aware of your surroundings and drive to conditions.
- b. All personnel entering the EW (Tank House) building may encounter forklifts and overhead cranes, be aware of your surroundings and remain clear of placing yourself in the line of fire of forklifts, and suspended loads.
- c. Seat belts must be worn at all times when on company property regardless if you are driving in a company vehicle, mobile equipment, or a personal vehicle.

## 8. Personal Medical Devices

- a. Persons with personal medical devices such as pacemakers, defibrillators, or other implanted life critical devices shall not be allowed in the EW (Tank House) work zone. Personal medical devices can be adversely affected by electromagnetic fields.

## 9. Personal Protective Equipment (PPE) - All PPE must be inspected before used

**Note:** Personal protective equipment (PPE) requirements in the EW (Tank House) facility can and will vary depending on the area, task or hazard you may be working around. Employees performing work in the parking lot at minimum shall wear hardhat, safety glasses with side shields, and safety toed boots with metatarsal guards. This does not include office areas, lunchrooms, bathrooms, change rooms, or meeting rooms.

- a. **Hard Hats:** Hard hats are required in all work areas of EW (Tank House) facility.
- b. **Protective Eyewear:** Safety glasses are required in all work areas of the EW (Tank House) facility. Any individual entering the EW (Tank House) facility must wear clear or indoor/outdoor safety glasses; no dark glasses are permitted. Any individual entering under EW (Tank House) cell line are required to wear goggles or face shield.

**Note:** Employees working in the loop cutting area are not required to wear goggles or a face shield.

- c. **Gloves:** The Miami EW (Tank House) facility glove requirements depend on the task and area you are working in. If you are unsure, ask an area supervisor or employee for help.

1. All personnel working within the EW (Tank House) building at a minimum are required to carry a pair of eight mil Nitrile gloves on their person. If for any reason, they should have to enter the cell line-working zone or basement not the Nitrile gloves must be worn.
2. All personnel working outside of the cell line-work zone and basement of the EW (Tank House) performing work shall wear the task specific gloves that have been approved for the task they are performing. This includes the Stripper and Loop cutting sections.
3. All maintenance and electrical personnel inside of the cell line-work zone or basement performing work shall wear the nitrile gloves with task specific gloves that have been approved for the task they are performing over the nitrile gloves.
4. All operation personnel performing work in the cell line-work zone and basement shall wear the approved gloves that meet the requirements listed below.

**Cell line-working zone:**

Cut rating: ANSI cut rating of 3 or EN388 cut rating of 4

Chemical rating: Exposure to 20% sulfuric acid in water (i.e. electrolyte)

Electrical rating: Minimum of 100,000 ohms resistance as measured by CASC Glove Tester

Miami Operations approved gloves:

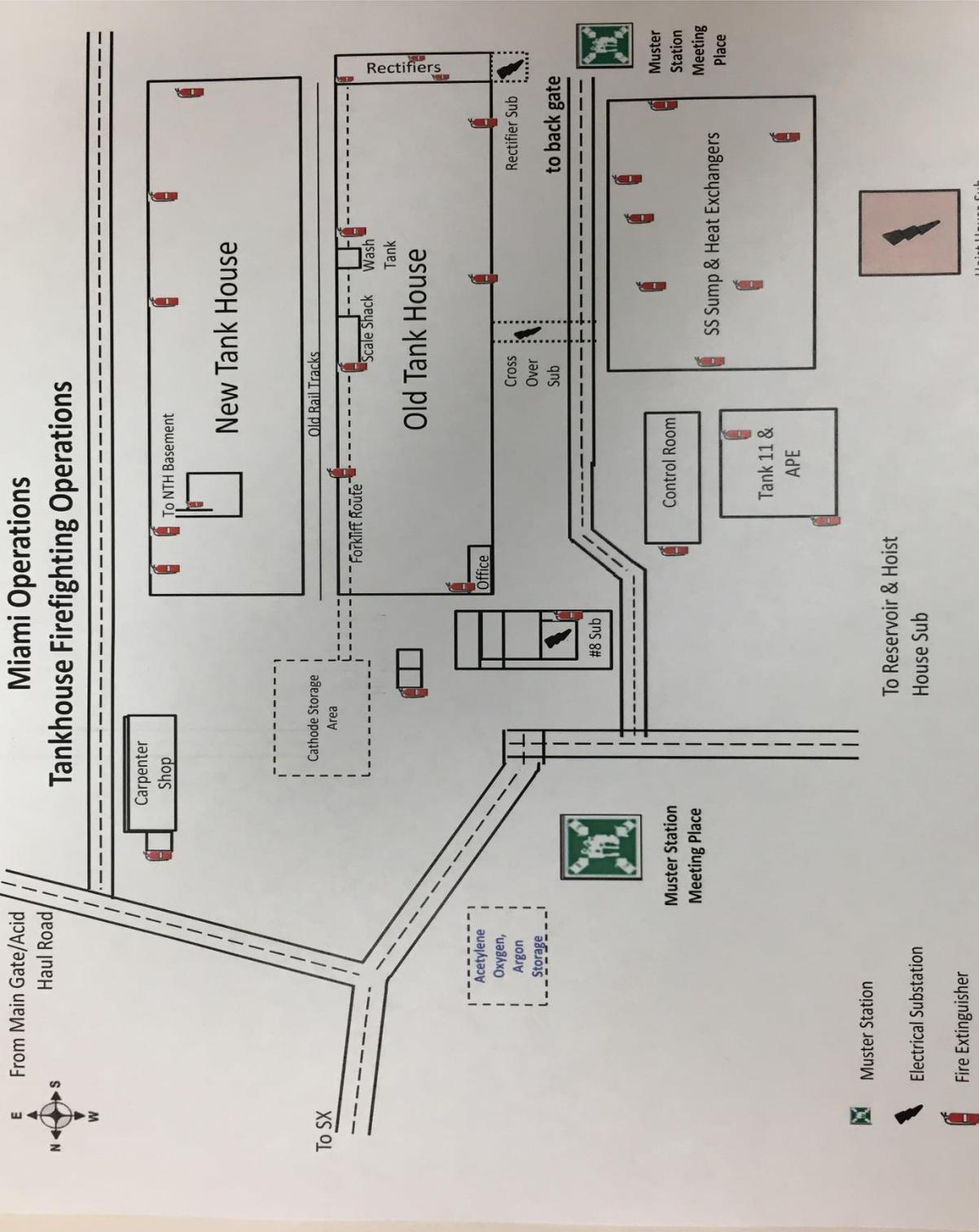
ATLAS KV300 with Nitrile gloves.

SHOWA 3416 without Nitrile gloves.

NOTE: SHOWA 3416 gloves are the only gloves that do not require Nitrile gloves to be worn underneath due to them meeting all three (Cut, Chemical, and Electrical) EW safety requirements.

- d. **Boots: The Miami EW (Tank House) facility Boot requirements depend on the task and area you are working in. If you are unsure, ask an area supervisor or employee for help.**
- e. All personnel working in or around the EW (Tank House) facility at minimum are required to wear a safety-toed boot with metatarsal guard. (This includes the east basement on the New Tank House side).
- f. All personnel entering the Cell line work zone or the west basement (Old Tank House side) shall wear an approved rubber boot listed below; these rubber boots have been tested and approved to meet the FCX-26 policy.
  - **Tingley**                      **Chemical resistance (PVC/rubber/ect.)**
  - **Oliver**                      **EH rated or dielectric rated under ASTM F2413-11 – protective footwear**
  - **Chore**                      **Steel-toe, metatarsal, and must reach mid-calf or higher**
  - **Lacrosse**
  - **Duragard**

**Note: All employees assigned to the EW (Tank House) shall wear an approved rubber boot from the list above at all times.**



-  Muster Station
-  Electrical Substation
-  Fire Extinguisher

