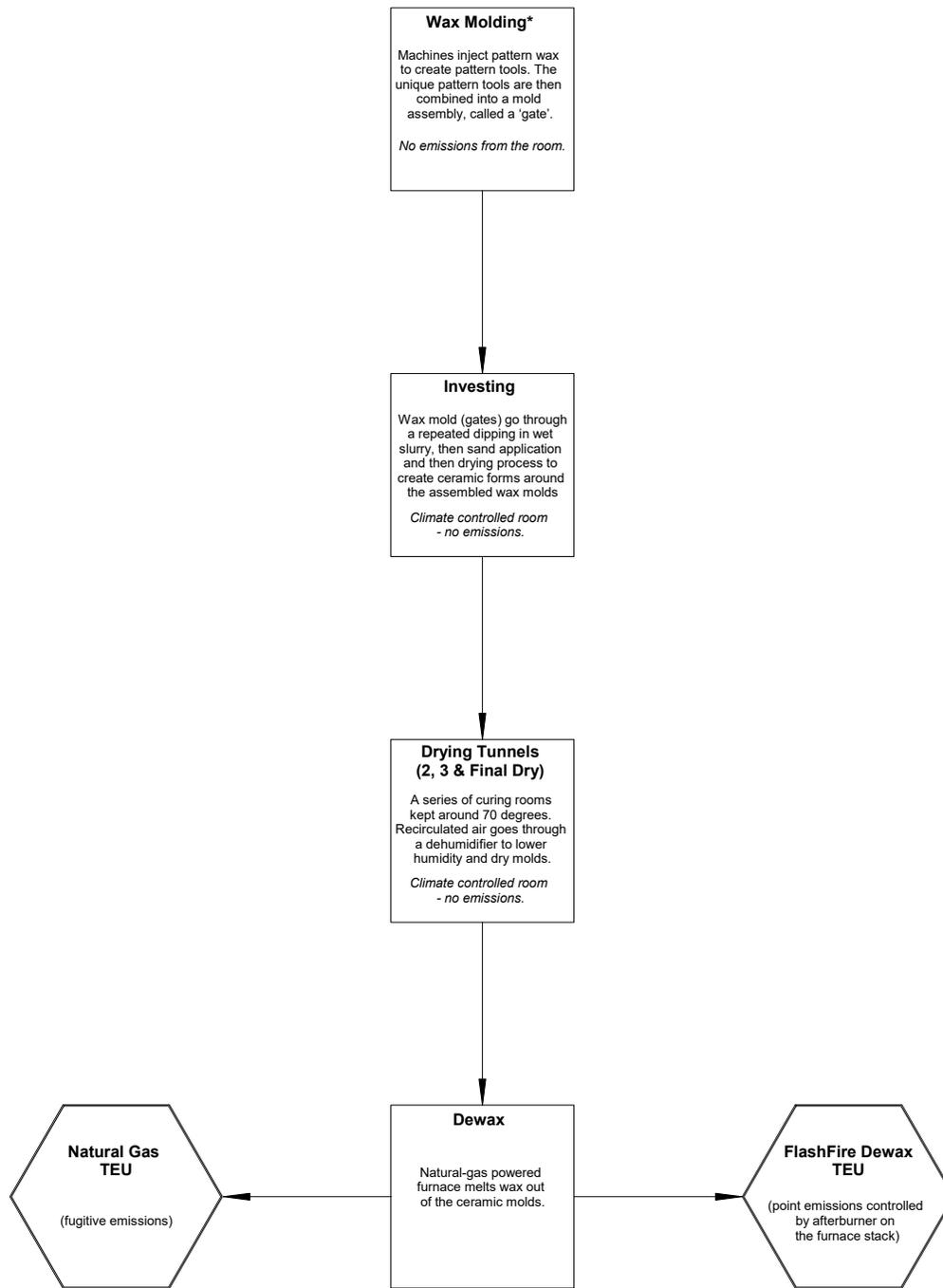
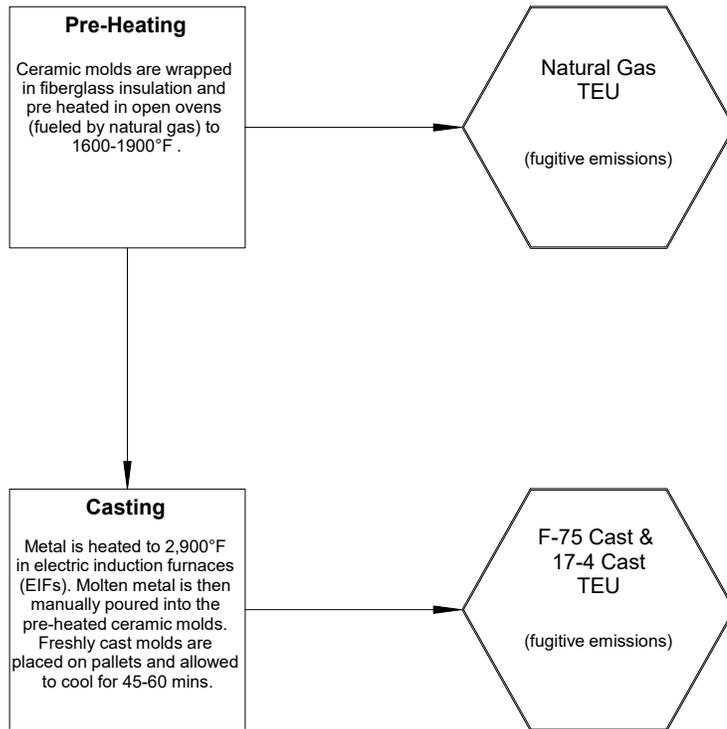


# Wax Process Flow

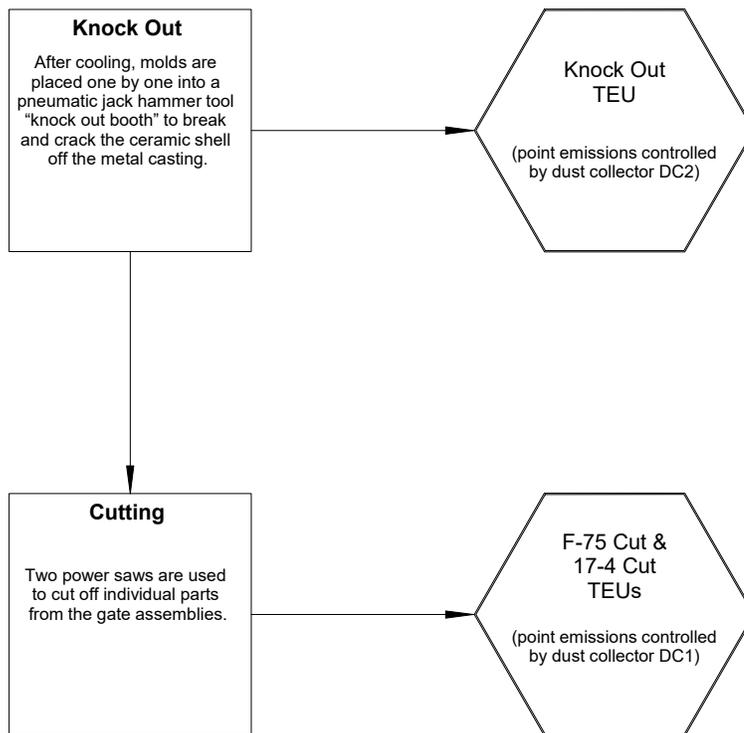


\*Note that any general cleaning activities with acetone or isopropyl alcohol (IPA) in this room is still conservatively included as fugitive emissions in the material balance (MB) portion of AQ520 as their use was considered facility wide.

# Casting Process Flow

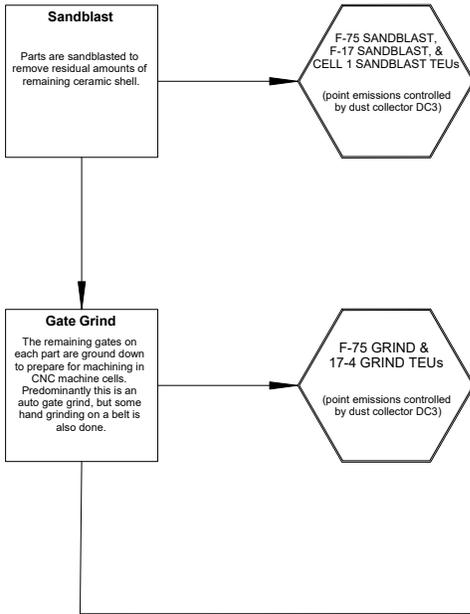


# Knock Out and Cutoff Process Flow

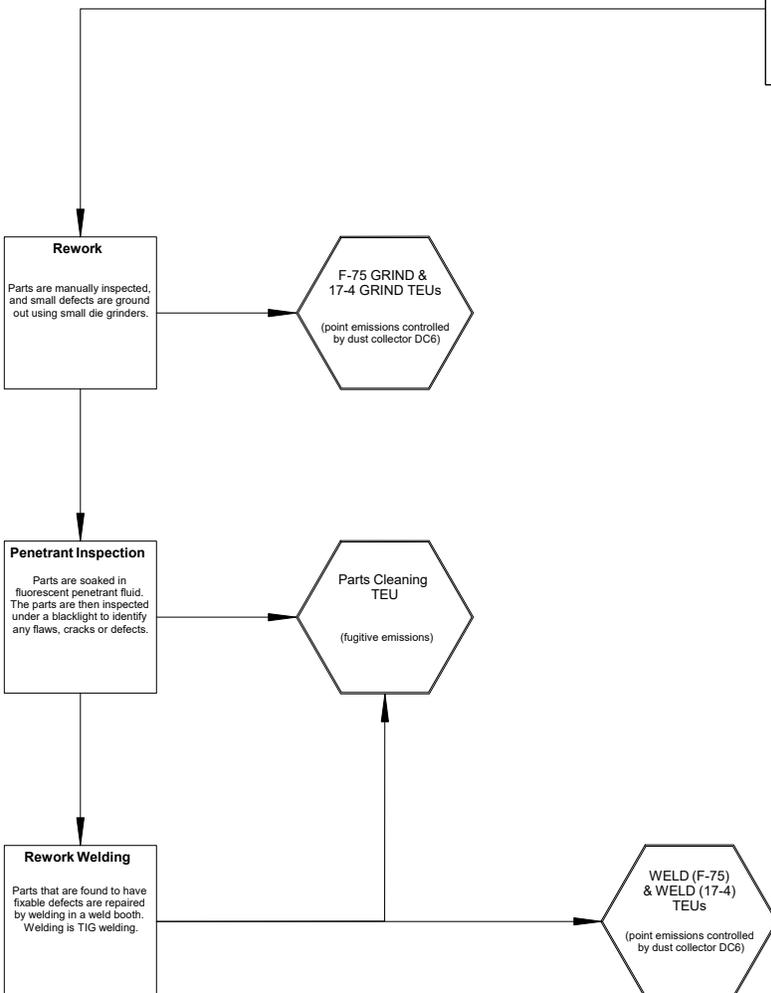
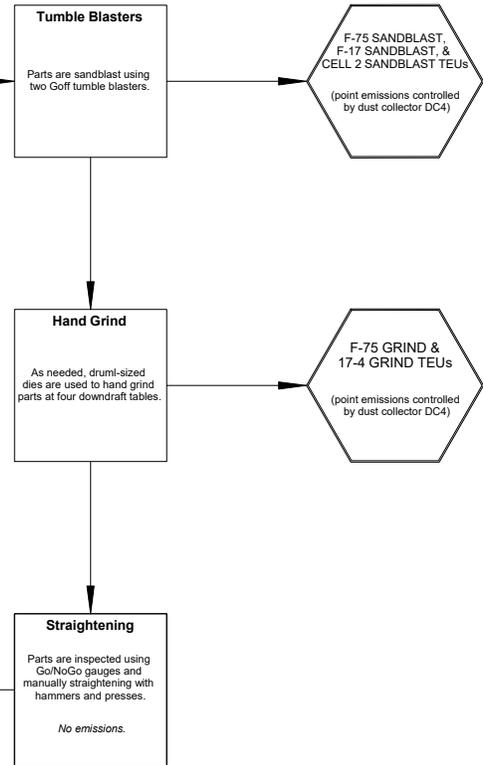


# Cell 1 and Cell 2 Process Flow

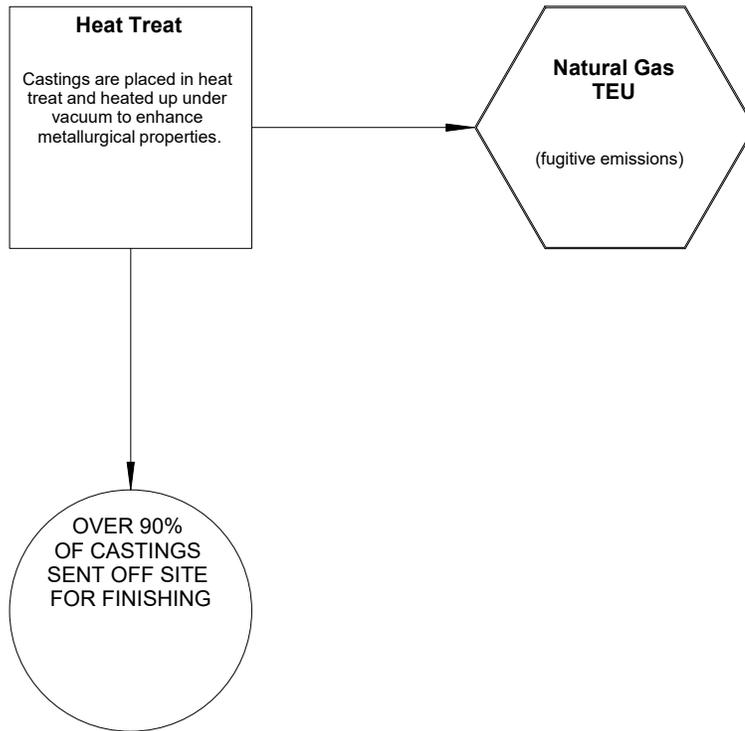
## Cell 1



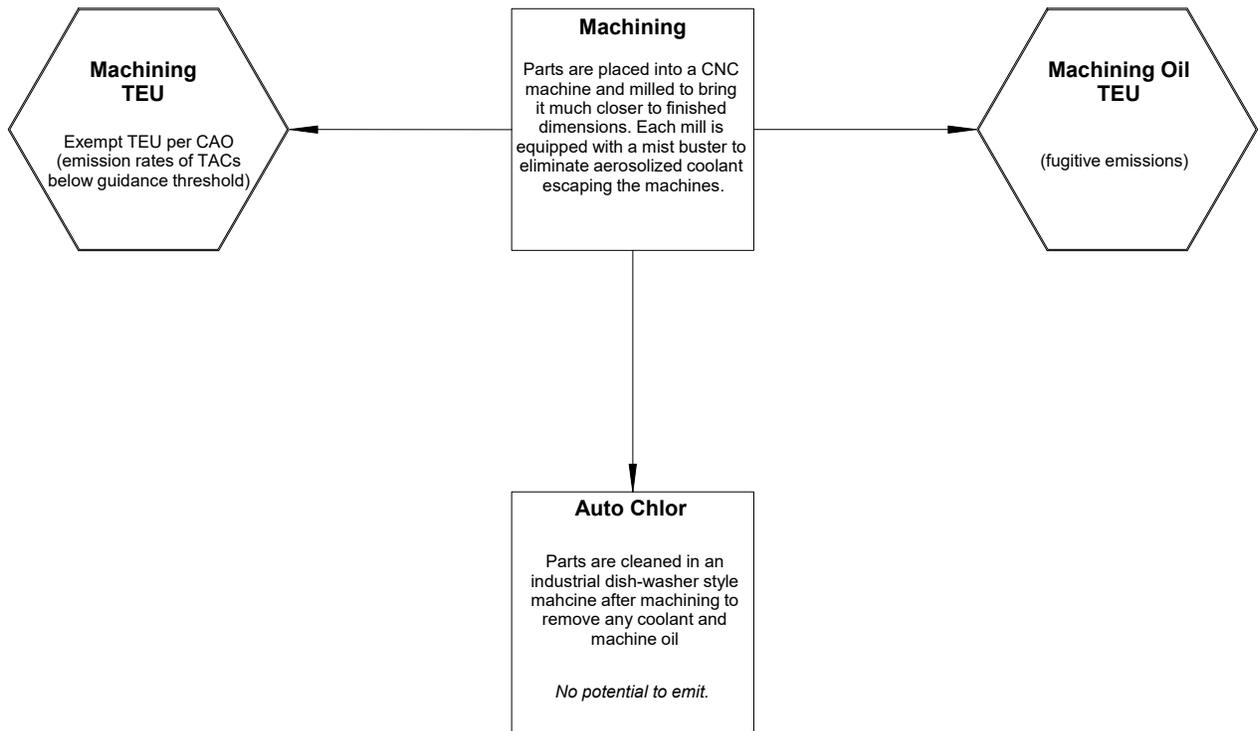
## Cell 2



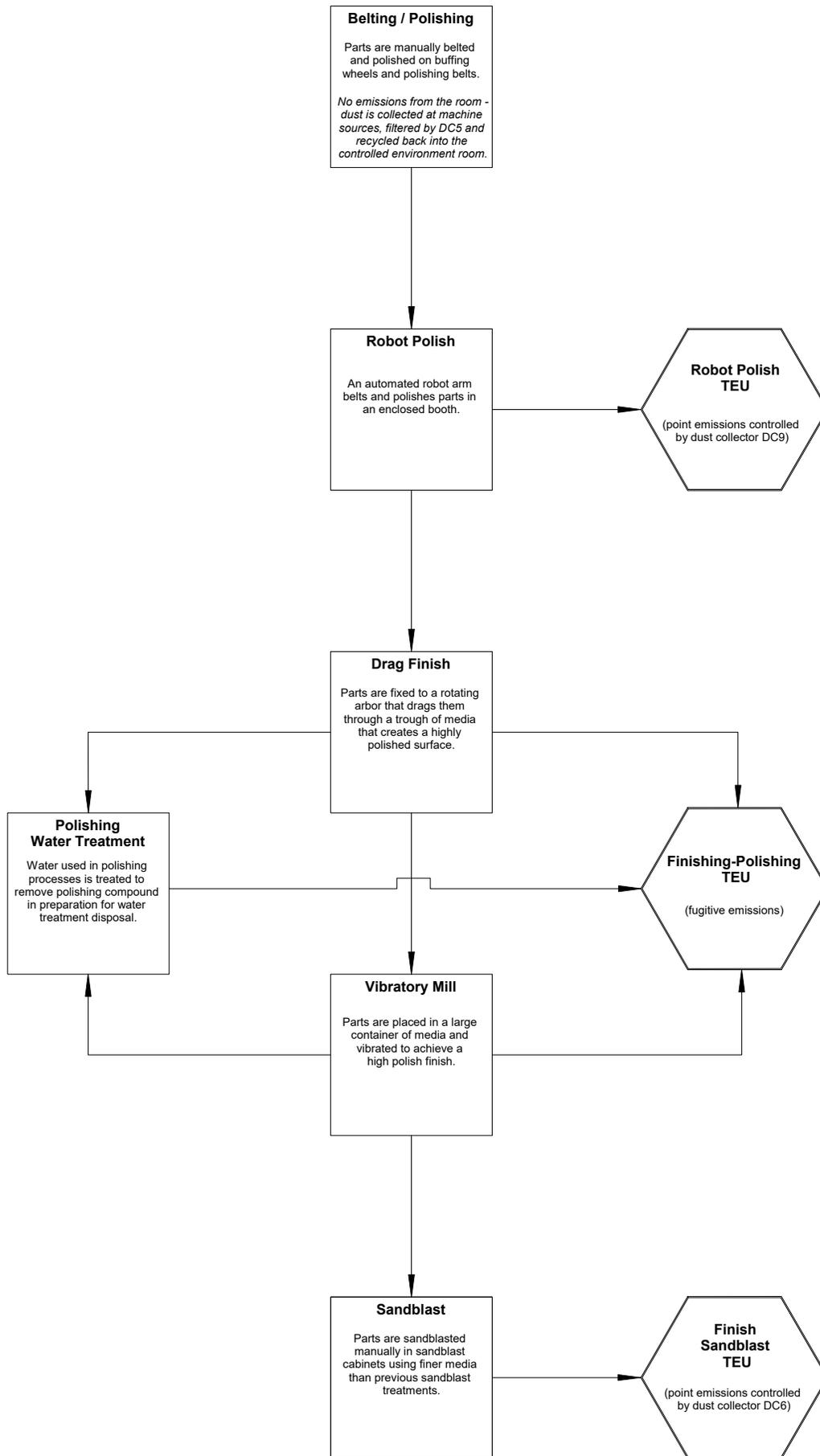
# Heat Treat Process Flow



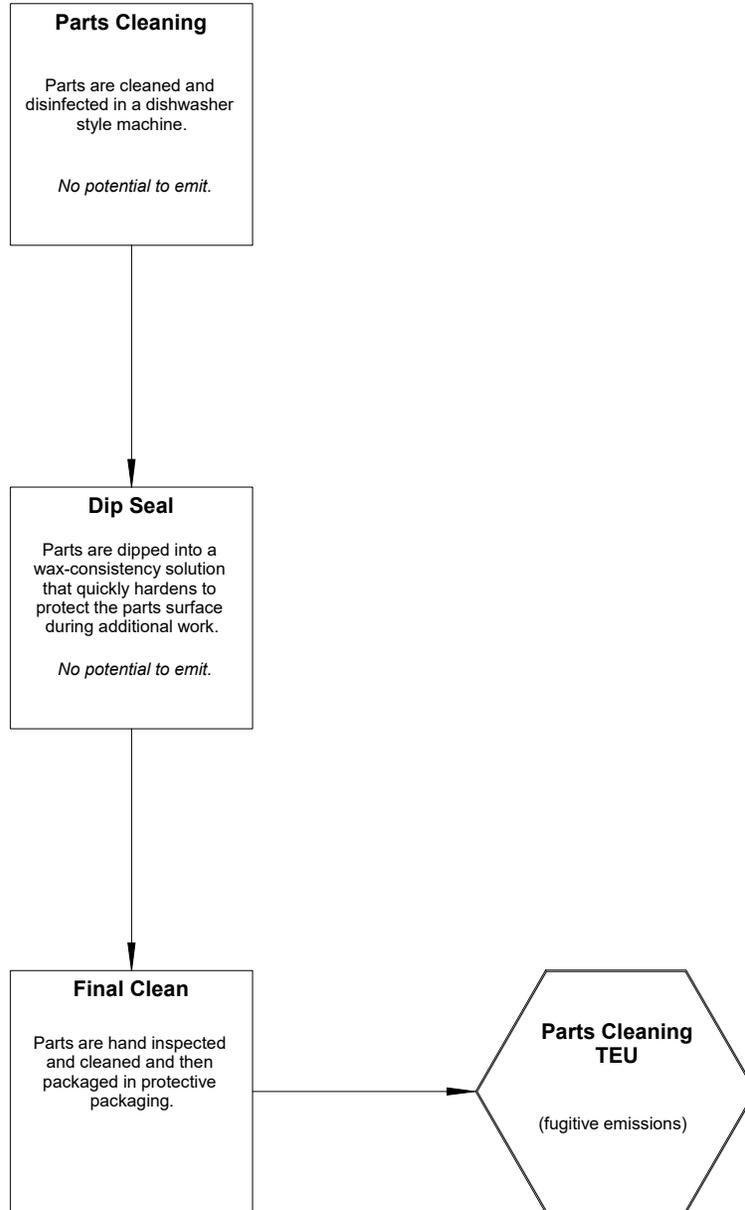
# Machining Process Flow



# Finishing/Polishing Process Flow



# Cleaning/ESMA



# NDT Process Flow

**Digital Xray**

Parts are inspected using digital x-rays.

*No potential to emit.*

**Fluorescent Penetrant**

Parts are soaked in fluorescent penetrant fluid. The parts are then inspected under a blacklight to identify any flaws, cracks or defects.

*No potential to emit.*

**Manual Inspection**

Personnel use black lights and minimal touch up grinding on parts using die grinders in a booth setting (for using the black lights).

*De minimis emissions.*

## Coating Process Flow

### **Coating\***

Specialty parts have metal beads manually applied and glued into place. Parts are subsequently cured in an electric oven.

*Climate controlled room  
- no emissions.*

*\*Note that parts cleaning by hand with isopropyl alcohol is included as fugitive emissions in the material balance portion of AQ520 as their use was considered facility wide, however the air in this room is recirculated.*

## Waste Water Treatment Process Flow

### **Waste Water Treatment**

Plant process water is collected in tanks and processed in 1,000-gallon batches. Solids are removed and pH adjusted (if needed) prior to discharge under permit to POTW.

*No potential to emit*

# Equipment Maintenance/Repair Process Flow

