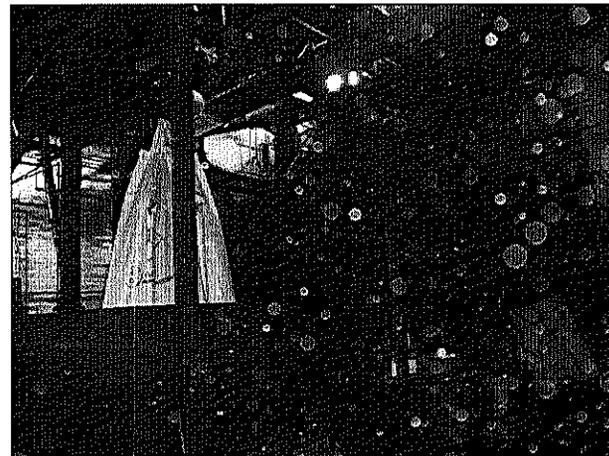
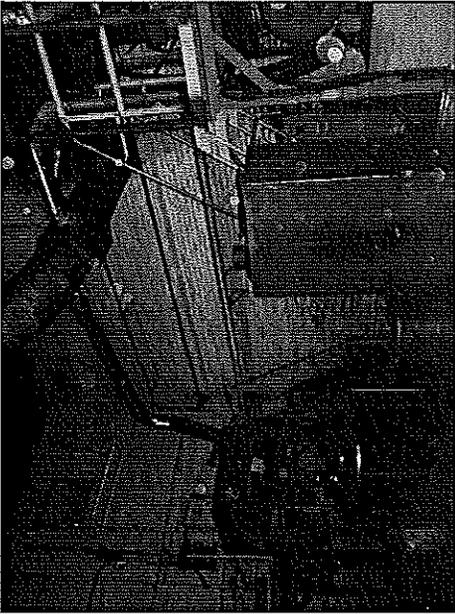


MDEQ Air Inspection
October 30, 2013

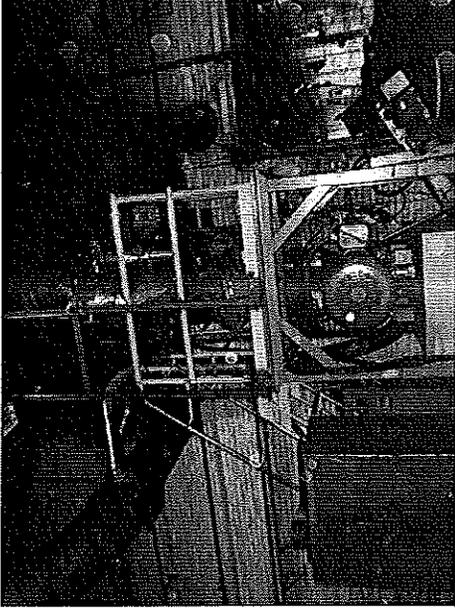
by Brewer, Kathy (DEQ)



Branbury Mixer Manual batch feed of graphite, sulfur, pet coke, H₂O, coal tar pitch.
Exhaust to stack, no emission control.



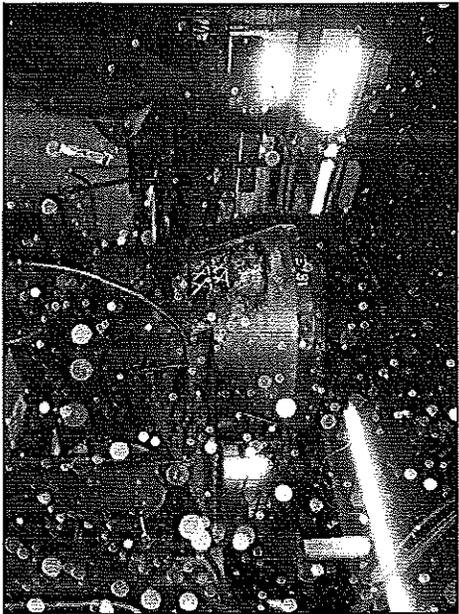
Continuous mixer feed. Exhausts to stack, no emission control



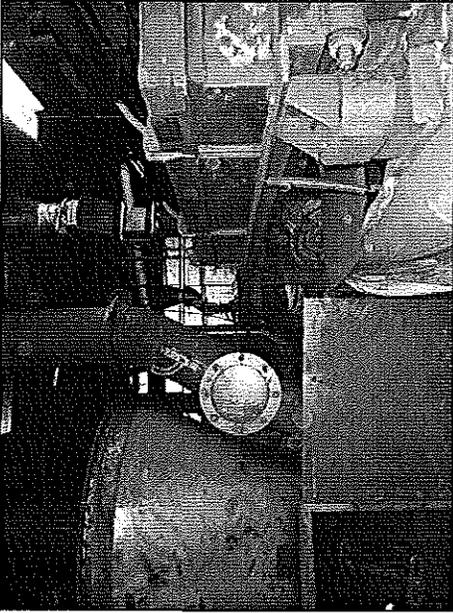
Continuous mixer. Blended material dispensed into drums. No emission control.



Mixed material prior to milling & size separation



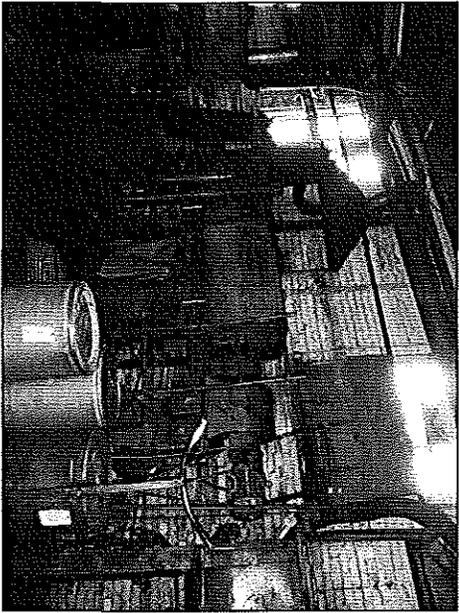
Blender PTTI 694-92. Emissions controlled by 4000 cfm baghouse.



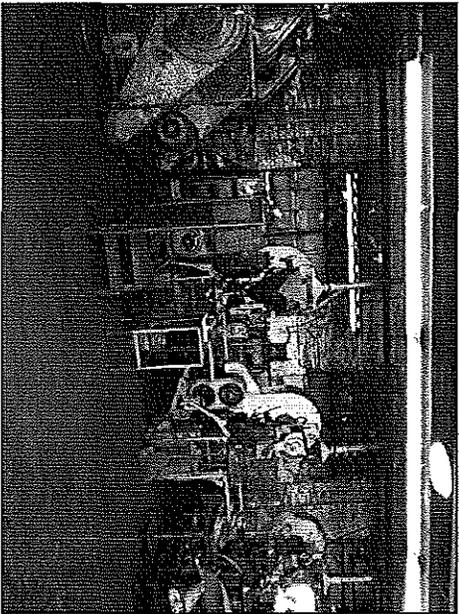
Screening device after blender. Exhaust to 4000cfm baghouse.



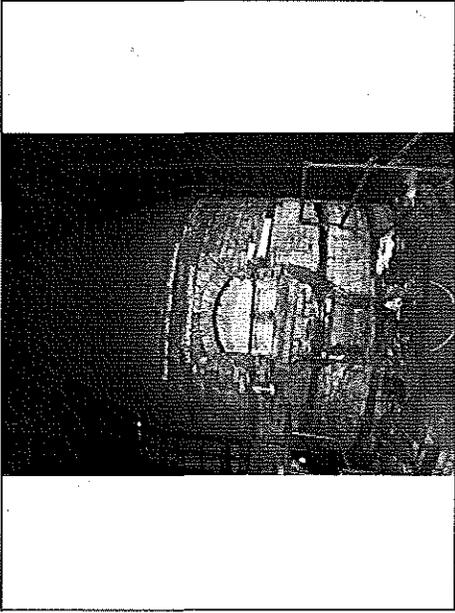
Material after milling, size separation, prior to stamping



Ultrasonic cleaner: Exhaust to roof through stack. No emission control.



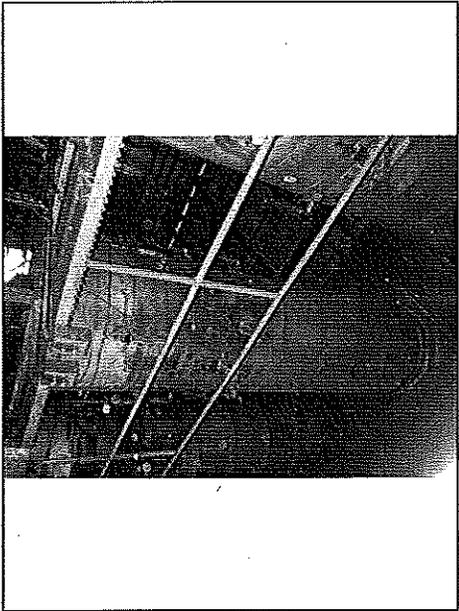
Stamping/press machines



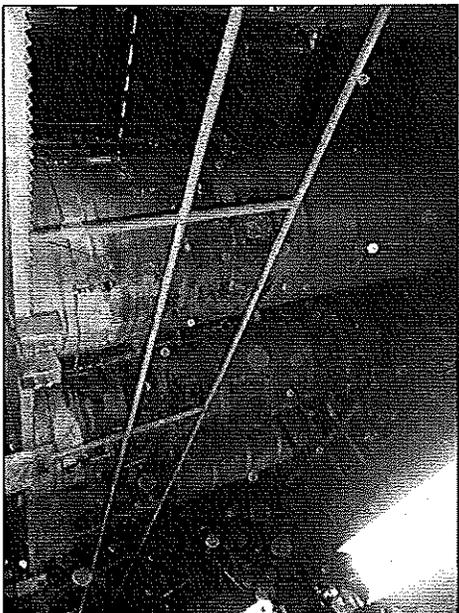
Bottle oven number one. Still operated. No control of exhaust



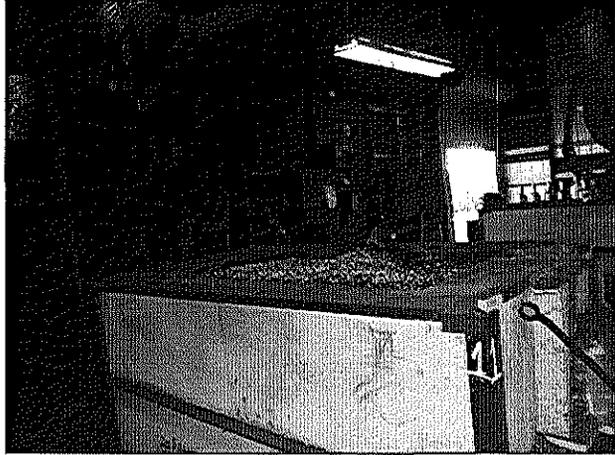
Bottle oven 2 & 3 not operated.



Tube furnaces that process stamped graphite mix forms. Loaded from top & travel toward heat source (natural gas). No emission control.



More tube furnaces



Post furnace parts in electrical impregnation vessel topped with pet coke. Emissions to general building area.



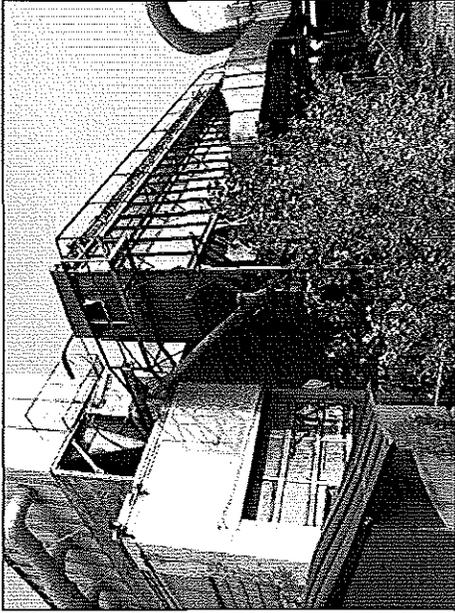
Bin used for post furnace parts surrounded by carbon and loaded into kiln. May have been resin treated.



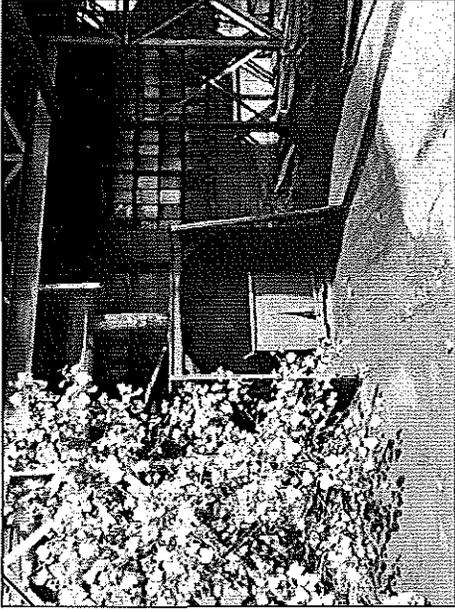
Older kilns. Plan to use portion of building w/kilns. Exhaust to roof. No emission control.



Baghouses serving machining operations (50,000 cfm) Auxiliary collection device to right in photo.



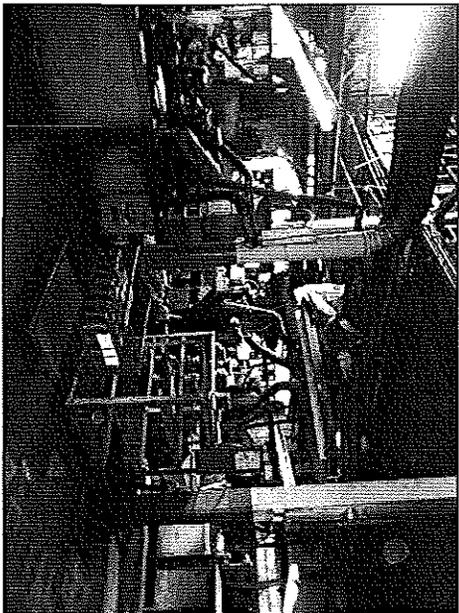
Baghouse serving historic machining area



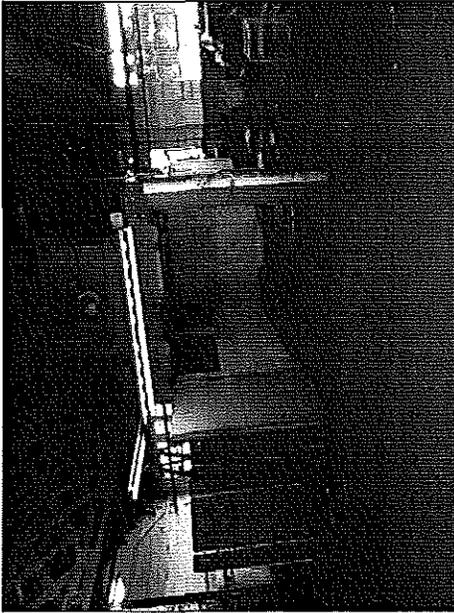
Baghouse collection. Grey in foreground is captured graphite from machining operations.



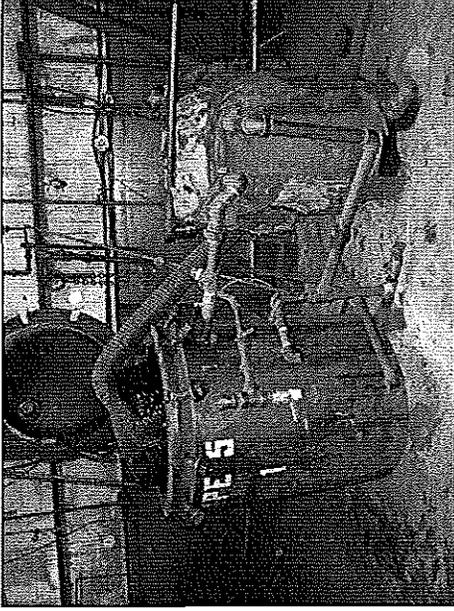
Auxiliary collection device fro historic machining operations. Pile below spout is collected graphite from machining operations.



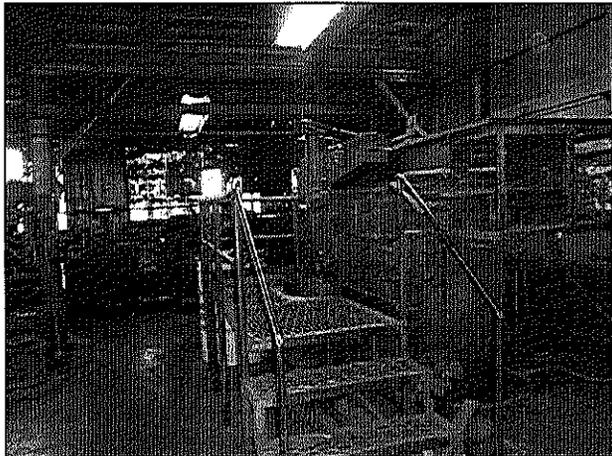
Historic machining area still in use. Exhaust to baghouse.



Secondary bake kiln in historic resin system area. Exhaust to roof. No emission control.



Number 5 resin tank. Exhaust to in plant w/no emission control. (PTI #111-12?)



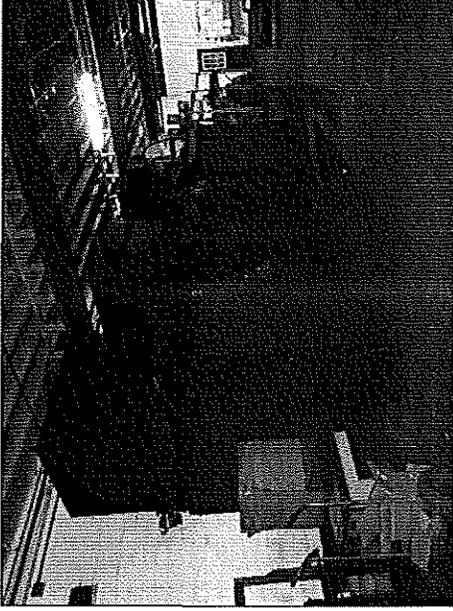
Resin wash and aqueous quench area. Now covered by PTI # 111-12. Exhaust to in plant environment w/no controls. Originally PTI #506-92 for use w/TCE. No longer use solvent. Use of condensing coils required per PTI #506-92.



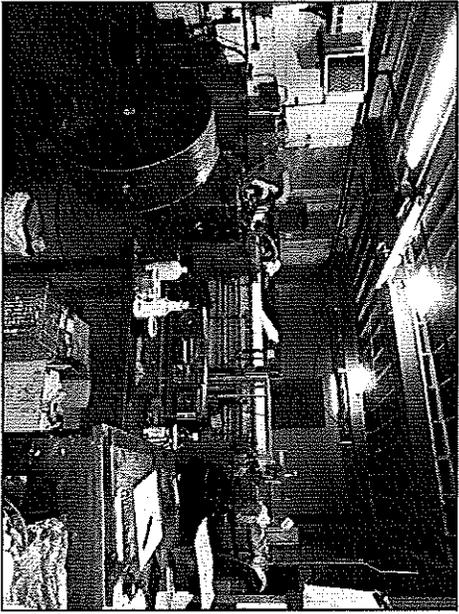
Post resin curing oven in historic resin system area. Exhaust to roof. No emission control. (PTI #111-12?)



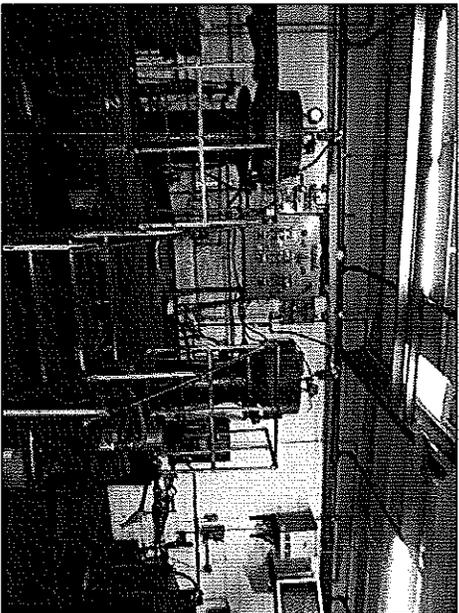
Resin curing ovens in historic resin system area. No longer used.



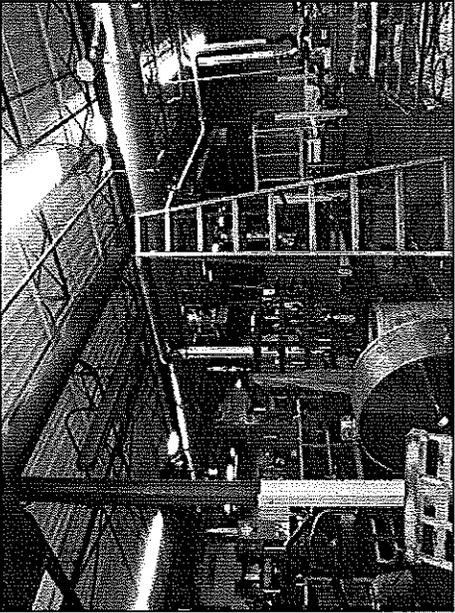
Resin curing ovens in remodeled area (PTI #111-12). Emissions to common stack w/no control



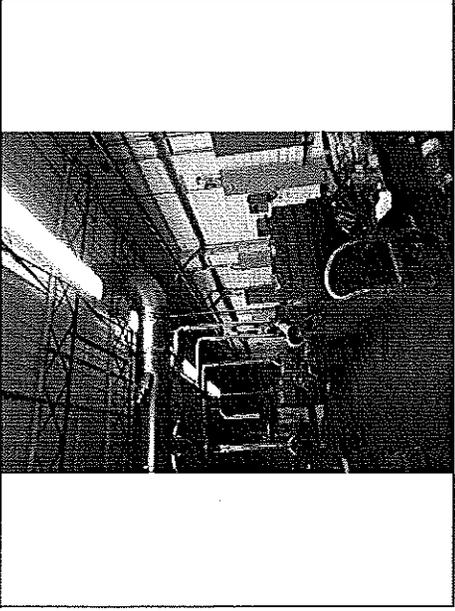
Resin pressure vessels in remodeled building (PTI #111-12). Exhaust sent to Tort cartridge for emission control!



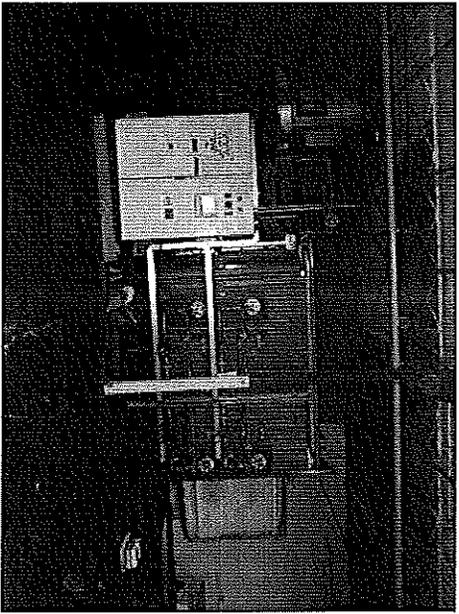
Hydraulic resin pressure vessels in remodeled building. Exhaust to in plant environment w/no control.



Press area in remodeled building



Machining area in remodeled building



Secondary bake kiln w/afterburner in remodeled area (PTI #230-07).

