United States Marine Corps
Marine Corps Support Facility – Blount Island

OPERATION AND MAINTENANCE PLAN

EU No. 001 Abrasive Blast Booth

CONTROL EQUIPMENT SPECIFICATIONS

Manufacturer: _____ Design Air Flow: _____ CFM

Model Number: _____ Air to Cloth Ratio: _____

Type: _____ Bag Material: _____

Check appropriate item.

Cleaning Mechanism: Pulse jet ☐ Reverse Air ☐ Mechanical ☐ Other ☐

Please describe: _____

_____

_____

MONTHLY CHECK

Date of Inspection: _____ Inspector's Name: _____

Check appropriate item(s) and describe action taken, including date, under comments.

Fan:	Good condition	☐	Maintenance Performed	☐
Bags:	Good condition	☐	Need repair or replacement	☐
Baghouse Structure:	Good condition	☐	Needs repair	☐

Baghouse Clean Air Side: Clean ☐ Light Dust ☐ Heavy Dust ☐

Comments: _____

_____

_____

8-22 WCC	Craftsmen	Inspection/Maint. Results
Complete TSI/LOTO		
Lubricate chain rotary air lock feeder and gear producer		
Check operation of rotary air lock feeder		
Check valve flanges/purge connections		
Check screw conveyor		
Check shaft on screw		
Check trough for wear		
Check flights		
Lubricate tail bearings		
Check hangar bearings		
Inspect induction motor		
Zero photohelic gauge		
Check Visible Emissions		

Manometers	Craftsmen	Inspection/Maint. Results
Manometer Vacuum Recovery Unit Reading/Calibration		Calibrated On: ____ Calibrated By: ____ Manometer Reading: ____
Manometer Interior Bag House Reading/Calibration		Calibrated On: ____ Calibrated By: ____ Manometer Reading: ____
Zero photohelic gauge paint booth		Zeroed On: ____ By: ____ Photohelic Reading: ____

Breathing Air Board	Craftsmen	Inspection/Maint. Results
Shut Off Air/Purge		
Calibrate Board		Calibrated On: ____ Calibrated By: ____
Change Filters (Bi-monthly)		

Exhaust Fan Main	Craftsmen	Inspection/Maint. Results

Grease Pillow Block Bearings (Weekly)		
Check/Replace Belts (Quarterly)		
Inspect Plenum Housing for Corrosion (Quarterly)		

Vertical Motorized Doors	Craftsmen	Inspection/Maint. Results
Lock Out/Tag Out		
Lubricate Drive Chains (Quarterly)		
Inspect Sprockets (Quarterly)		
Lubricate Rail Wheel Bearings (Quarterly)		
Check All Set Screws for Tightness (Quarterly)		
Perform Corrosion Control		

Exhaust Fans Paint Booth (3 ea)	Craftsmen	Inspection/Maint. Results
Start Fans, Listen For Unusual Noise (Bi-annually)		
Lock Out/Tag Out (Bi-annually)		
Check Motor, Fan Shaft Bearing (Bi-Annually)		
Check Electrical Wiring (Bi-annually)		

Long Screws	Craftsmen	Inspection/Maint. Results
Inspect For Unusual Noises Coming From Bearings		

Elevator System (Quarterly)	Craftsmen	Inspection/Maint. Results
Clean/Lubricate Drive Chain & Sprocket		
Inspect Chain/Sprockets		
Clean Out Debris Base Of Elevator		
Grease Top & Bottom Bearings		

Inspect Oil Level In Gear Reducer		
Grease Zert Fittings		
Check Set Screws For Tightness		
Inspect V-Belts		
Grease Collector Screw Tail Bearing		

Heliveyor System (Quarterly)	Craftsmen	Inspection/Maint. Results
Lock Out/Tag Out		
Check Speed Reducers		
Inspect/Clean/Lube Drive Chains/Sprockets (9 ea.)		
Inspect Blades on Heliveyor Shaft		

Vacuum Recovery Unit (Annually)	Craftsmen	Inspection/Maint. Results
Inspect 18 Dust Tubes/Cages		
Check Sight glass For Oil Level (Quarterly)		
Check Goyan Valve Operation (Quarterly)		
Check/Replace Belts (Quarterly)		

Interior Bag House	Craftsmen	Inspection/Maint. Results
Inspect 64 dust tubes		
Check for VE		
Check for dust on cell plate		
Lubricate shakers		