R.E. PURCELL CONSTRUCTION CO., INC.

1550 STARKEY ROAD
LARGO, FL. 33771
TELEPHONE: (727) 584-3329 * FAX: (727) 587-6561

Air Permit 1030026-005-AO, EMISSIONS UNIT 001
OPERATIONS AND MAINTENANCE PROCEDURES

The plant should be started each time based on Gencor Manual.

On daily basis the items on the **Baghouse and Exhaust System Inspection Log** should be completed.

On weeky basis the items on the **Plant and Material Handling Equipment Inspection Log** should be completed

On monthly basis the items on the **Monthly Inspection Log** should be completed.

Keep the following spare parts on hand to minimize down time if repairs are needed:

Thermocouples - 2 if possible
Air valves - 2 if possible
Pulser Solenoids - at least 5
Plastic lines for Photohelic - 20'
Bearings - keep one of each different type or at least 2 if it is a common bearing
Slates and Chains
Assorted Belts and Chains
Assorted Motors
Bags for Baghouse - Try to keep 100 on hand at all times

The plant should never be operated if any of the pollution control devises are not working propertly.

R.E. PURCELL CONSTRUCTION CO., INC.

1550 STARKEY ROAD
LARGO, FL. 33771
TELEPHONE: (727) 584-3329 * FAX: (727) 587-6561

Air Permit 1030026-005-AO, EMISSIONS UNIT 001
BAGHOUSE AND EXHAUST SYSTEM

DAILY INSPECTION LOG

INSPECTOR NAME: _____ **WEEK ENDING** _____

Baghouse and Exhaust System	Mon	Tues	Wed	Thurs	Fri	Sat	Notes:
Check Hi-temperature Damper Air Valve for Operation							
Observe exhaust stack for visible emissions							
Check air line filter lubricator, check oil level, drain water from separator							
Check for fuel distillates in baghouse dust							
Check baghouse for excessive emissions							
Check temperature measuring devices							
Check all thermocouples & connections							
Check for leaks in air system							
Check air pressure to baghouse (100 PSI Minimum)							
Check pulse timer for baghouse							
Check for leaks in dust recovery system							
Check all air hose for leaks and wear							
Check air valves for leaks and wear							
Check all solenoids for proper operation							
Check photohelic lines for clogs & wear (dryer negative air operation)							
Check photohelic readings for proper burner & exhaust operation							
Check all dust augers for operation							
Check baghouse for wear and deterioration							
Check air compressor for proper operation							
Check air compressor filters, replace as required							
Check all bearings and grease as required							
Check Magnehelic gauge for operation (baghouse pressure drop indicator)							
Check Magnehelic lines for blockage							
Check all v-belts tension (Check Weekly)							
Record Baghouse Pressure Drop (4.0 to 7.0 in. H_20) during Normal Operation (Min. / Max.)	Min/Max	Min/Max	Min/Max	Min/Max	Min/Max	Min/Max	
"Pulse " baghouse, end of day (pressure drop S1.0 in. H_20)							
Record Baghouse Temp. (S 400°F) (Min. /Max.) WF (Pinellas County AQD 2/28/05)	Min/Max	Min/Max	Min/Max	Min/Max	Min/Max	Min/Max	

Description of Maintenance Performed, Date & Comments

R.E. PURCELL CONSTRUCTION CO., INC.

1550 STARKEY ROAD
LARGO, FL. 33771
TELEPHONE: (727) 584-3329 * FAX: (727) 587-6561

Air Permit 1030026-005-AO, EMISSIONS UNIT 001
PLANT AND MATERIAL HANDLING EQUIPMENT

WEEKLY INSPECTION LOG

INSPECTOR NAME: _____ Month/Yr. _____

Plant and Material Handling Equipment	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Notes:
Check conveyors for proper operation						
Check conveyor buildup						
Check safety devices and shut off's						
Check all temperature devices						
Check all transfer and drop points for emissions						
Check all plant controls for proper operation						
Check all drive belts & chains for wear						
Check all duct work for wear and leaks						
Check solenoid valves for operation						
Check exhaust stack & platform for wear/deterioration						
Check fuel and AC tanks for leaks						
Check storage silos for leaks						
Check Asphalt drag slat conveyor for operation						
Clean burner fuel duplex filter screens						
Oil and grease drive chains						
Check and water yard for any fugitives						
Observe Rap crusher for fugitives						

Description of Maintenance Performed, Date & Comments

R. E. PURCELL CONSTRUCTION CO., INC.

1550 STARKEY ROAD
LARGO, FL. 33771
TELEPHONE: (727) 584-3329 * FAX: (727) 587-6561

Air Permit 1030026-005-AO, EMISSIONS UNIT 001
BAGHOUSE AND EXHAUST SYSTEM
MONTHLY INSPECTION LOG

INSPECTOR NAME: _____ YEAR ENDING: _____

Baghouse and Exhaust System	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Check screw conveyor bearings & hangers (replace as required)												
Check exhaust fan bearings (replace as required)												
Check gear reducer oil levels												
Check dust removal system components for wear & proper operation												
Check dust removal system lubrication												
Check baghouse structure for loose bolts, cracks in welds, cracked, chipped paint or worn paint and corrosion												
Check fan damper actuator mounting												
Check and lubricate fan damper actuator pins & damper assembly												
Check airlock for wear												
Check all compressed air lines for leaks and wear												
Check bags for blinding (Yearly)												
Check duct work for dust buildup												
Check pulsar valves for proper seating												
Check all indicating equipment for proper operation												

Description of Maintenance Performed, Date and Comments: