Preventive Maintenance

1. Ventilation

Daily- Observe fans for proper operation.
   1. Check the thermostat on the wall in the center of the building ensuring that the fans are operating consistent with the settings on the thermostat.
   2. Visually inspect fans for loose belts, shutters open and close as required, air intakes operating properly by opening and closing. The shutter on the fan will open fully when all systems are operating correctly.
   3. The curtain on the side of the building will drop if temperature rises above settings (breeding houses 95 degree F, and gestation house 100 degree F,)
   4. Curtain on the end of the building are operated based on static pressure readings. In the summer, the curtain must be open in order for fan to operate. In the winter diffusers will operate in conjunction with the curtains. (Think about this!)

Monthly –
Clean Ventilation/Exhaust System
1. Unplug fan.
2. Hook up garden hose to spigot at end of house. Attach pressure spray nozzle. Turn on hose
3. Remove shutter from the fan by releasing 4 clips located on the sides of the shutter. Place shutter under the fan, against the wall.
4. Rinse both sides of shutter, fan blades, and motor with garden hose.
5. Let dry.
6. Reinstall shutter.
7. Plug fan in.

Visually inspect belts for tension and wear by observing while in operation. If the belt is riding too low in the pulley it is time to change it.
To replace a worn belt:
1. Unplug fan.
2. Remove old belt by guiding off pulley as turning fan blades by hand.
3. Make a new belt. (Links are located in the farm shop. Unfasten string of loops to measure 47 inches. Using pliers attach ends together.
4. Place new belt on motor pulley and guide onto fan pulley by turning fans blades.
5. Plug in.
6. Check tension. Shorten or lengthen as necessary.

Grease bearings on fans
1. Unplug
2. Get grease gun located in the Farm shop
3. Attach grease guns to grease fittings
4. Put two squirts of grease into each fitting
5. Plug in
6. Put grease gun away.

Grease curtain and baffle machines
1. Get grease gun located in the Farm shop
2. Remove cover from baffle machines by pushing up and pulling out.
3. Attach grease gun to top of fitting
4. Put two squirts of grease into each fitting
5. Put cover back on machine by pulling down and pushing in.
6. Put grease gun away.

Quarterly –
Tighten cords and pockets.
Visually inspect and pull on cord that zig-zags from the top to bottom of the building.
If the cord needs tightened untie and pull slack out.
Retie.

The pocket is the material at the end of the curtain that keeps the wind from getting behind the curtain. Ensure that it is attached firmly to the building. If it is loose, then attach by nailing to the wall (Square headed nails are preferred)

Inspect cables on curtains.
The cables are made of steel and are used to raise the curtain.
Visually inspect for frays, broken stands, etc.
If replacement is needed contact Farm Manager who will replace.

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4. Flush system

Daily – Check flush tanks daily for overflow

Weekly – Check flush gutters for manure buildup or other signs of improper operation, check timers and reset if needed, adjust water flow, flush recycle water lines as needed, check overflow pipes for salt buildup or other blockage, verify flush tank motors are working.

Six months – Clean recycle lines and pumps.

5. Other systems

Weekly – check and clean as needed waterers, nipples, piping and filters, check generator operation
Monthly – tighten penning and feeder bolts, patch cracks in slats and walkways, check pressure washer tip, belts, filter, test alarm system.

Quarterly – blow out dust from heaters and inspect hoses and connections, check feed system bearings and control units, grease bearings if necessary.

Yearly – remove gas line sediment cap and clean, check oil in feed system power head.