

KIRILA FIRE TRAINING FACILITIES, INC.

DESCRIPTION OF SERVICES

WS-QI AIRCRAFT FIRE TRAINING FACILITY WINTER SHUTDOWN WITH SEMI-ANNUAL INSPECTION

This service consists of performing winter shutdown activities for standard Aircraft Fire Training Facilities as explained in the service description of Item WS. This work also includes a Semi-Annual Inspection as recommended by AFCEA (AFCEC) and described in Item QI which consists of performing a Semi-Annual Inspection (per Technical Order Developed by the Air Force Civil Engineering Support Agency) and developing a full report of all findings. The report will also include recommendations to repair any found deficiencies with a cost analysis breakdown of what the recommended repairs should cost.

(Included: Winter Shutdown below):

WS AIRCRAFT FIRE TRAINING FACILITY WINTER SHUTDOWN

This service consists of performing winter shutdown activities for Aircraft Fire Training Facilities. This work consists of:

- Service all igniters and verify proper operation
- Winterize each igniter by cleaning with compressed air and applying non-freezing liquid to dissipate any moisture that may be collected by the igniter throughout the winter
- Cover and seal each individual igniter
- Verify that the rectifier for cathodic protection system is operational
- Lubricate and service all switches, cabinet hinges, latches, etc.
- Verify that the water conservation pond pump has a minimum of three feet of water for cover or remove from pond and store as directed by owner
- Disconnect water cooling pump in burn pit and store if applicable
- Remove all sprinkler heads and flush sprinkler system
- Employ compressed air into the water system and blow out all waterlines to keep from freezing for the winter
- Operate and service all valves for the water system
- Drain the Burn Pit to an absolute minimum and install a temporary sump pump if practicable to prevent freezing of electric, propane and nitrogen systems
- Verify that all automatic pumping systems are functional for the winter
- Check all burner locations for performance and emergency shutdown
- Exercise thermal cycles on the propane system and perform soap test at all propane connections
- Purge propane system from the tank to each individual burn unit
- Introduce compressed air into the propane system and remove all water from propane lines and co-ax valves
- Perform maintenance per manufacturer's recommendations on all propane valves and equipment
- Pressurize Nitrogen System and perform leak test of all nitrogen connections
- Drain Nitrogen Accumulator Tank
- Service all Nitrogen Pilot Valves
- Make any minor repairs necessary. Labor is inclusive. Parts and/or materials to be supplied by others.
- Generate a full and complete report of all work performed and minor repairs made
- Debrief the Training Chief or representative of the Fire Department of all work performed and findings
- This work is to be performed by a crew of technicians who specialize in the maintenance and repair of Aircraft Fire Training Facilities. This scope of work includes all mobilization, demobilization and labor necessary. This crew will be on site with a support trailer equipped with spare parts, pumps, welders, torches, air compressors, etc., to perform all required work and make minor repairs/modifications as necessary or requested.