

## **Basic Installation & Snap Shot Report**

Basic ProaTEQ Treatment is accomplished in the following steps:

1. Customer completes and submits Unit Data Sheet data, a simple form containing information about the unit(s) to be considered for treatment.
2. Georgetown submits proposal containing scope, statement of work, deliverables, schedule, prices, payment, and acceptance terms. Customer issues purchase order or contract, and both sides sign.
3. Kick-off Meeting: Could be by phone; ideally in person. Review project terms and schedule. Inspect site conditions, certify unit eligibility, and finalize materials and materials required.
4. Treatment Visit: Georgetown team visits site, generally for 1-3 days.

Georgetown activities are as follows:

- a. Install instrumentation to monitor pre-and post-treatment conditions,
  - b. Allow equipment to run for two (2) hours before treatment,
  - c. Record pre-installation data from instrumentation,
  - d. Inject ProaTEQ into compressor lubricating oil port,
  - e. Allow equipment to run for two (2) hours after treatment,
  - f. Record post-installation data from instrumentation,
  - g. Remove instrumentation.
  - h. Close unit covers and exit site.
5. Create analytical database.
  6. Conduct pre- and post-treatment unit performance analysis:
    - a. Capacity improvement
    - b. Btu/Amp improvement
    - c. kW/Ton improvement
  7. Prepare and deliver Final Report and Snap-Shot Report.

## **Basic Service Scope Of Work**

### 1. **PROJECT PLANNING, ACQUISITION, MANAGEMENT**

Georgetown Principal, Mr. Richard Piepenbrink, will be assigned as lead Project Manager. He will engage subcontractors and conclude subcontracts, acquire materials, and manage the engagement, including traveling to the Project Location for the installation.

### 2. **PLANNING & COORDINATION MEETING**

Mr. Piepenbrink and two subcontractor personnel, Sr. Mechanical Engineer (Dr. Rick Parks), Sr. Electrical Engineer (Mr. G.C. Nichols), will travel to the site at the Project Location. A coordination meeting is required between Georgetown personnel and subcontractors with PPG personnel before the installation and is included in the price.

### 3. **INSPECT & PREPARE EQUIPMENT**

When Georgetown personnel and subcontractors arrive, they will inspect and prepare the selected pilot units for ProaTEQ installation, including installation of any instruments and equipment needed for Test-in and ProaTEQ coating installation. Mr. Piepenbrink will be in attendance.

### 4. **TEST-IN**

Dr. Parks and Mr. Nichols will make the necessary readings for pre-installation data on the Snapshot Cooling Capacity Report. Mr. Piepenbrink will be in attendance.

### 5. **INSTALL ProaTEQ COATING MATERIAL**

Dr. Parks and Mr. Nichols will install the ProaTEQ coating material. Mr. Piepenbrink will be in attendance.

### 6. **TEST-OUT**

Dr. Parks and Mr. Nichols will make some of the necessary post installation readings and data for the post-installation information in the Snapshot report. Mr. Piepenbrink will be in attendance.

### 7. **RESTORE EQUIPMENT**

Dr. Parks and Mr. Nichols will remove Georgetown instrumentation and equipment from PPG trial units and restore all connections to previous conditions. Mr. Piepenbrink and McCarthy will be in attendance.

### 8. **DATA RECOVERY, ANALYSIS AND REPORT**

Georgetown Principal Mr. McCarthy and subcontractor Dr. Parks will organize and analyze the site Test-In/Test-Out data for preparation of the Snapshot Report(s).