

Statement of Work (SOW)
Carrier Chiller Maintenance B1900
Scott AFB, IL.
13 Aug 2026

1. DESCRIPTION OF SERVICES

1.1 Scope of Work: This SOW defines the required services for the comprehensive maintenance and inspection of three (3) Carrier 19XRV centrifugal chillers and associated Variable Frequency Drives (VFD) located at B1900 on Scott AFB, IL. The objective is to ensure the equipment's optimal performance, reliability, and longevity through a scheduled program of inspections, adjustments, and repairs. This work is to be performed on a quarterly, semi-annual, annual, and emergency repair basis.

NOTE 1: Period of Performance (PoP) of contract is one base year plus four follow-on years for a total of five years if exercised. Base year PoP 1 Oct 26 – 30 Sep 27.

1.2 General Requirements: The contractor shall furnish all necessary labor, tools, and materials to perform the maintenance tasks as detailed in this SOW. All work must be conducted by qualified and certified HVAC technicians with specific experience in Carrier centrifugal chillers. The Contractor is required to follow Carrier manufacturers' recommended methods and procedures to maintain and repair Carrier chillers. The Contractor is required to abide by Scott AFB, local, county, state and federal laws under this contract.

NOTE: The contractor must provide written proof of factory-authorized training or OEM-equivalent certification specifically for Carrier centrifugal chillers. The contractor must submit copies of these certifications for all proposed technicians with their proposal and maintain certification throughout the life of the contract.

1.3 VFD's: The Contractor shall perform maintenance for two VFD's. Maintenance shall be scheduled to perform in conjunction with the maintenance of the chillers. Maintenance should be performed to maintain the VFD's factory standards and prepare for effective, reliable and efficient operation. Maintenance shall include, but may not be limited to, vacuum cleaning and tightening components and electrical connections.

1.4 Chillers: The Contractor shall perform maintenance for three chillers. Maintenance shall be performed to maintain the Chillers to Carrier factory standards and prepare the Chillers for effective, reliable and efficient operation. The contractor's technicians must possess, at no additional cost to the Government, all necessary diagnostic equipment, software, and software licenses required to record, update, and operate any proprietary Carrier chiller control software to perform required maintenance and repairs.

1.5 All items to include but not limited to gaskets, filters, O-rings, oil, lubricants and materials required to perform Preventative Maintenance shall be provided and installed by the contractor as required at no cost to the government as indicated in this SOW. Refrigerant is considered to be a government furnished item and not required to be provided by the

contractor.

1.6 The Contractor shall use innovative industry/commercial best practices, standards, procedures, and equipment to minimize the expenditure of time and funds while ensuring the highest of quality work.

1.7 Service Schedule and Reports: The government shall work with the contractor to develop a service schedule within ten (10) working days of the award date of the contract. The contractor shall provide a minimum of three (3) business days' notice if changes are required to the scheduled service dates. The contractor shall provide a detailed service report to the government representative within five (5) workdays of services performed.

1.8 Service Reports: The contractor is required to provide the government representative with detailed service reports after each maintenance visit, documenting all tasks performed, observations, and any recommendations for repairs or adjustments within five (5) workdays of service being performed.

1.9 Safety and Compliance: All work shall be performed in strict adherence to all applicable safety standards and regulations. Technicians must always use appropriate personal protective equipment (PPE). The service provider is responsible for the proper handling and disposal of all waste materials, including used oil and refrigerant, in accordance with environmental regulations.

1.10 Invoicing: The contractor shall invoice/bill for services provided within ten (10) workdays of completion of work and delivered service report.

2. MAINTENANCE FREQUENCIES/TASK:

2.1 Quarterly: See Attachment A for minimum description of maintenance.

2.2 Semi-annually: See Attachment A for minimum description of maintenance.

2.3 Annually: See Attachment A for minimum description of maintenance.

NOTE 1: The contractor shall notify the customer (CES HVAC shop and/or the COR) upon arrival at B1900 and again once work has been completed.

NOTE 2: The contractor is expected to maintain a clean, safe, and orderly worksite.

3. CORRECTIVE MAINTENANCE/SERVICE REQUEST:

3.1 Corrective Maintenance/Repairs: The contractor shall provide to the COR a written plan of action to correct any deficiencies found during scheduled preventative maintenance inspections. This corrective action plan shall include the deficiency found, an itemized list of parts or supplies needed to perform repairs, and the amount of labor hours required to do so.

3.2 Service Request: The contractor may be called to respond to repair work required outside of scheduled preventative maintenance. Service requests shall be made and performed during normal duty hours (0600 to 1600 Monday - Friday). Unless otherwise agreed upon at the time of notification, the contractor shall respond within 24 hours to troubleshoot and provide a recommendation for repairs. This shall follow same guidance found in 3.1.

3.3 The contractor is not to perform any work without prior approval from the CO or COR.

3.4 The contractor's time for billing purposes shall start at the time of arrival at B1900 and shall end when leaving the work site.

3.5 In the event the contractor must leave the work site to procure necessary repair parts and/or materials, the time away from the work site is not time to be charged to the government.

4. REPAIR MATERIALS/PARTS:

4.1 Unless otherwise agreed upon, the contractor shall be responsible for procuring all required repair and replacement parts and reimbursed by the government at cost.

4.2 The contractor shall provide the government with a quote for all parts and materials needed to make necessary repairs.

4.3 The government reserves the right to provide any parts or materials the government may already have available on hand.

4.4 When applicable, the government MUST approve all purchases for which the contractor will seek reimbursement. For such reimbursements, a copy of the supplier's original invoice shall be provided to the designated government representative.

4.5 The government representative MUST ensure funds are available prior to approving the contractor's parts and/or material requests in which they seek reimbursement.

5. GENERAL INFORMATION:

5.1 The contractor shall minimize the amount of chemicals stored on base to an as needed basis. All chemicals being brought onto Scott AFB will be tracked and coordinated with the 375 CES/CEIE. With exception and approval by the government, chemicals shall be applied within 48 hours of delivery to meet the parameters specified in paragraph 2.5 and 4.4. The vendor shall have the capability of delivering and dispensing all quantities of product as required per order.

5.2 With exception and approval by the government, the contractor shall not store full, partial, or empty chemical containers on Scott AFB. Any exception must be coordinated with the government. Empty containers shall be removed within 24 hours of application and shall properly dispose of containers at an off-base facility at no cost to the government.

5.3 The Contractor shall be responsible for any product lost due to equipment failures at no cost to the Government. The Contractor is responsible to ensure all equipment is calibrated and in good working order.

5.4 The Contractor shall be responsible for installing, maintaining, operating, and repairing all Contractor supplied materials and equipment. The Contractor shall replace at no cost to the Government any lost treatment materials due to malfunctioning equipment and/or leaks related to treatment material feed equipment.

5.5 The Contractor shall be responsible to keep the work area clean and free of all debris and

clean up to the Government's satisfaction any area deemed unkempt.

5.6 The Government may inspect and evaluate the Contractor's performance to ensure services are received in accordance with the requirements set forth in this contract. The Contracting Officer or Government Point of Contact (POC) may inspect by validating actual work performance, physically checking an attribute of the completed task, checking a management information report, investigating customer complaints, conferring with facility managers, or otherwise inspecting the task or its results to determine whether performance meets the standards contained in this SOW.

5.7 Performance of Service during a Crisis (*Declared by the Secretary of Defense or Overseas Combatant Commander*). All services to be performed under this contract have been determined to be **nonessential** for performance during a crisis according to Department of Defense Instruction (DODI) 3020.37 and Air Force implementation thereof, unless otherwise directed by the CO.

6. QUALITY CONTROL INFORMATION:

6.1. Quality Control. The Contractor shall develop and maintain a quality control program to ensure services are performed in accordance with applicable standards and industry standards.

6.2. Quality Assurance. The government representative shall evaluate the contractor's performance by periodic site inspections, receipt of valid complaints from base personnel and compliance with the SOW. The Contractor's performance may be based on test reports and possible independent lab tests from a third party. The government shall inspect and evaluate the contractor's performance to ensure services are received in accordance with the requirements set forth in this contract. The CO or Government personnel shall inspect by validating actual work performance, physically checking the attribute of the completed task, checking a management information report, investigating customer complaints, conferring with facility managers, or otherwise inspecting the task or its results to determine whether performance meets the standards contained in this SOW. When a performance threshold has not been met or contractor performance has not been accomplished, the Government personnel will initiate and provide the Contracting Officer with a DD Form 2772, Contract Discrepancy Report (CDR), for issuance to the contractor. The contractor shall respond to the CDR in accordance with the instructions provided and return it to the Contracting Officer within 10 calendar days of receipt.

7. GOVERNMENT FURNISHED UTILITIES:

The Contractor may have use of Government electrical and water supplies that, in nearly all cases, are available at each site. If the Contractor needs additional utilities, special connectors, etc., the Contractor will need to provide and install these at their own expense.

8. GOVERNMENT FURNISHED EQUIPMENT:

Government personnel shall provide access to the mechanical room to perform necessary work/testing. Except for refrigerant, there is no government furnished equipment or materials provided for this SOW. The Contractor is responsible for all labor, materials, equipment,

equipment software, tools, vehicles, etc.

9. ENVIRONMENTAL AND SAFETY CONTROLS:

9.1 Environment Management System (EMS) Policy. Scott Air Force Base (AFB) is committed to excellence in all aspects of environmental stewardship activities using the Air Force Environmental Management System (EMS). This commitment and use of EMS apply to all activities, products and services associated with Scott AFB partner units and Contractors.

9.2 Contractor's personnel shall work under this contract in a manner that is consistent with Scott AFB EMS and conforms to all applicable environmental laws, regulations, and policies. Upon awarding of the contract, the Contractor shall review the Scott AFB, EMS Environmental Policy Letter.

9.3 Waste Management:

9.3.1 The Contractor is responsible for the analysis, characterization and proper handling of waste generated by their operation. If hazardous wastes are generated, the Contractor shall properly contain the waste, and it will be Government's responsibility to properly dispose. The Contractor shall anticipate 375 CES/CEI audits to ensure their hazardous waste program is compliant with requirements.

9.3.2 Under no circumstances shall the Contractor remove any waste from Scott Air Force Base without ensuring complete and full compliance with all applicable existing environmental laws and regulations. A.II shipments must be prepared in accordance with Department of Transportation Regulations (40 CFR 172).

9.3.3 The Contractor shall notify 375 CES/CEI of all chemical materials brought on base, to include quantity and the Safety Data Sheets.

9.4 Notification of Environmental Spills.

9.4.1 If the Contractor spills or releases any hazardous substance that contacts or has the potential to contact water, soil, or any drain (sanitary or storm) the Contractor shall call 911 (256- 4911 utilizing telephone on base) then the CO immediately. The Contractor shall be liable for reimbursement of containment and environmental clean-up of the spill or release of such substance.

9.4.2 Spill Response. The Contractor shall be responsible for the clean-up and disposal of all spilled materials. This includes all materials used to contain and absorb the spill. Spilled material must be cleaned up promptly and reported to the CO. If any amount of spilled material contacts or has the potential to contact water, soil, or any drain (sanitary or storm), the Contractor shall call 911 (256-4911 if utilizing telephone on base) immediately. Spills of HAZMAT or hazardous waste shall be managed in accordance with the current 375 CES Wing Integrated Contingency Plan for Oil and Hazardous Substances Spill Prevention and Response for Scott AFB. Disposal of waste generated from spill clean-up shall be the Contractor's responsibility. The Contractor shall be liable for reimbursement of containment and environmental clean-up of the spills.

9.5 Training. The Contractor is responsible to train their employees regarding Environmental and Hazardous Materials Handling. The Contractor is also required to have and maintain Safety Data Sheets for all materials used by the Contractor in accordance with but not and/or regulations limited to federal and state laws.

9.6 Fire Safety. The Contractor shall obtain a burning permit from the Scott AFB Fire Department building 460, (256-5130) prior to welding, burning, or cutting operations each day they anticipate performing this type of work. A.II welding and burning operations necessary for the completion of the OWS shall be accomplished in strict compliance with fire safety and applicable standards. The Contractor shall provide and maintain fire extinguishers in accordance with NFPA standards during all welding and burning operations.

10. SECURITY REQUIREMENTS:

NOTE: This contract **does not** require the need for a contractor issued Common Access Card (CAC) **nor** will the contractor require access to a Government Information System or network access. This contract also **does not** require an OPSEC Standing Operating Procedure/Plan or Training. This contract **does not** require the handling or access of Unclassified/Classified Information.

10.1. AT Level I Training: Coordination with the installation ATO/ATPM to ensure Level I - AT Awareness Training is to be completed by all contractors within 30 days of access, and annually thereafter. (T-3) Coordination for training shall be done by the requiring unit after contract award. AT level 1 training link: <https://jko.jten.mil/courses/ATlevel1/launch.html>.

10.2 Access and General Protection/Security Policy and Procedures: Contractor and all associated sub-contractors' employees shall provide all information required for background checks to meet installation access requirements to be accomplished by the Dixon Visitor Center or security office. The Contractor's workforce must comply with all personal identification verification requirements as directed by DAFMAN 31-101v3 and the 375 AMW AT/IDP. In addition to the changes otherwise authorized by the changes clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in contractor security matters.

NOTE: All DBIDS cards/passers will be turned into the Dixon Visitor Control Center upon expiration of pass and/or completion of contract.

10.2.1 For contractors requiring common access cards (CACs): This contract **does not** require the need for a contractor issued Common access Card (CAC).

10.2.2 For contractors that do not require CACs but require access to a DOD facility or installation: The vetting requirement for, Civilian employee and Contractor eligible non-CAC DoD credential holders includes a minimum Tier 1 or equivalent investigation. Fitness standards for these populations are listed in AFMAN 16-1405.

10.2.3 Contractor Consent to Background Checks: The Contractor and, as applicable,

subcontractor shall not employ persons for work on this contract if such employee is identified as a potential threat to the health, safety, security, general well-being or operational mission of the installation and its population, nor shall the Contractor or subcontractor employ persons under this contract who have an outstanding criminal warrant as identified by Law Enforcement Agency Data System (LEADS) through the National Crime Information Center. LEADS checks will verify if a person is wanted by local, state, and federal agencies. All Contractor and subcontractor personnel must consent to LEADS background checks. Contractor and subcontractor personnel who do not consent to a LEADS check will be denied access to the installation. Information required to conduct a LEADS check includes full name, driver's license number, and/or social security number, date of birth of the person entering the installation, and completion of a background check questionnaire. The Contractor shall provide this information using the Scott AFB Form 21, Contractors Consent for Background Check, and shall submit it in conjunction with the Contractor's request for either base or vehicle passes. Completion of a successful LEADS check does not invalidate the requirement for an escort when Contractor or subcontractor personnel are working within controlled or restricted areas. All identifying credentials will be compliant with the REAL ID Act.

10.3 EAGLE EYES Training: The Eagle Eyes program is a DAF AT initiative that enlists the eyes and ears of all DAF military, civilians, contractors, and dependents. The Eagle Eyes program is a reporting mechanism for the base community on how to report suspicious behavior or possible terrorist activity. Each installation will outline procedures in the installation AT plan on how to receive and log suspicious activity reports and suspicious incident reports and to pass those reports expeditiously to their servicing Office of Special Investigations (OSI) detachment for appropriate action. (T-3) OSI provides threat data to the installation commander, the vice commander, and the DFC as appropriate to ensure an optimal common operating picture and an AT/Base Defense (BD) posture for the given installation's area of responsibility (AOR) in accordance with Air Force Mission Directive (AFMD) 39, Air Force Office of Special Investigations (AFOSI) and Air Force Policy Directive (AFPD) 71-1, Criminal Investigations and Counterintelligence. This program implements the spirit and intent of DoDI 2000.26, DoD Use of the Federal Bureau of Investigation (FBI) eGuardian System.

10.4 Unit Cyber Security Liaison. Contractor Employees Who Require Access to Government Information Systems. This contract **does not** require the contractor to access a Government Information System or network access.

10.5. OPSEC Practitioner. For Contracts That Require an OPSEC Standing Operating Procedure/Plan: This contract **does not** require an OPSEC Standing Operating Procedure/Plan.

10.6 OPSEC Practitioner. For Contracts That Require OPSEC Training: This contract **does not** require OPSEC Training.

NOTE: The contractor will not photograph and/or post about any installation related event/item on social media sites, blogs, etc., or discuss any critical information while on/off the installation. The critical information you may observe are:

- Effects of adversarial activity, should it ever occur.
- Response times of security, fire, emergency management personnel, etc.
- Implemented antiterrorism/security measures and procedures.
- Specific number of aircraft and unusual flightline activity.

- Aircraft information such as tail numbers, etc.

10.7 Unit Cyber Security Liaison. For Information Assurance (IA)/Information Technology (IT) Training: This contract **does not** require contractor access to a Government Information System or network access.

10.8 Unit Cyber Security Liaison. For Information Assurance (IA)/Information Technology (IT) Certification: This contract **does not** require contractor access to a Government Information System or network access.

10.9. Unit Security Assistant. For Contracts That Require Handling or Access to Classified Information: This contract **does not** require the handling or access of Unclassified/Classified Information.

10.10 Contractor Responsibilities. The Contractor will be responsible for the conduct of all employees working their control for this contract. This includes any subcontractors they use to fulfill contract requirements.

10.11 Contractors shall ensure their employees and those of their subcontracts have the proper credentials allowing them to work in the United States. Persons later found to be undocumented, or illegal aliens will be remanded to the proper authorities. The Contractor shall not be entitled to any compensation for delays or expenses associated with complying with the provisions of this clause. Furthermore, nothing in this clause shall excuse the Contractor from proceeding with the contract as required.

10.12 Identification Badges: The Contractor is required to provide identification badges for their employees. All Contractor personnel wear these badges while on duty on the Government site. Badges are required to identify the individual, company name, and be clearly and distinctly marked as Contractor. Size, color, style, etc. are to be mutually agreed to by Contractor and Government. The Contractor's identification badge will not be used as an entry requirement for installation entry or into any Government designated controlled or restricted area.

10.13 Contractor Registration of Vehicles on Scott AFB: All Contractor or Contractor employees' vehicles used for the performance of this contract shall comply with all local, state, and federal regulations. Additionally, any pass shall be surrendered to Security Forces upon demand to positively identify a person's need to be on Scott AFB.

10.14 Property Protection: Property protection for the facility where the Contractors' primary work center is located will be the responsibility of the local facility manager and local Government Security Manager, or their duly authorized representative IAW AFI 31-101, *Integrated Defense* and command/local directives. The Contractor shall safeguard all Government-owned equipment and materials in his/her possession or use.

10.15 Contractors Working in Controlled or Restricted Areas: The unit requesting contract support will always provide escort (s) for Contractors when within a controlled area. Contractors will not escort other Contractor employees within controlled or restricted areas. In addition, Contractors shall fulfill, maintain, and comply with all security requirements IAW AFI 31-101, *Integrated Defense*, and command/local directives.

10.16 Access to Government Facilities with Controlled or Restricted Areas: The Contractor shall comply with security regulations imposed by the installation commander and/or the agency responsible for the project location. Due to specific mission requirements inherent in controlled or restricted areas on Scott AFB, the Government may direct the Contractor to leave the controlled or restricted areas at any given time.

10.17 Access to Installation during Force Protection Conditions (FPCONs): Contractors will be assigned a mission essential designation IAW requirements contained in SAFBI 31-101/Installation Security Instruction. Only the installation commander or the unit commander requesting contract support will assign the mission essential designation.

11 NON-PERSONAL SERVICES AND/OR INHERENTLY GOVERNMENTAL SERVICES

The Government will neither supervise Contractor employees nor control the method by which the Contractor performs the required tasks. It shall be the responsibility of the Contractor to manage its employees and to guard against any actions that are of the nature of personal services or give the perception of personal services. If the Contractor feels that any actions constitute, or are perceived to constitute personal services, it shall be the Contractor's responsibility to notify the PCO immediately. These services shall not be used to perform the work of policy/decision making or management nature, (e.g., inherently Governmental functions). All decisions relative to programs supported by the Contractor shall be the sole responsibility of the Government.

12 ADMINISTRATION

12.1 The total amount of this order shall be a "not-to-exceed" amount and the services shall not exceed the dollar limitations specified on the contract without prior approval from the Government Contracting Officer. Services provided more than the "not-to-exceed" amount without prior approval from the Contracting Officer are done at the Contractor's risk and subject to non-payment.

12.2 The Government reserves the right to add additional funds to each CLIN if the situation or conditions warrant such a need.

12.3 The Government reserves the right to purchase urgently required services from another source should the Contractor be unable to provide the services to meet the accelerated delivery requirement.

12.4 The Contractor is not required to provide service on weekends or federal holidays, except in emergency situations. Federal holidays are as follows:

New Year's Day - 1 January
 Martin Luther King Day - 3rd Monday in January
 President's Day - 3rd Monday in February
 Memorial Day - Last Monday in May
 Juneteenth Day – 19 June
 Independence Day - 4 July

Labor Day - 1st Monday in September
 Columbus Day - 2nd Monday in October
 Veteran's Day - 11 November
 Thanksgiving Day - 4th Thursday in November
 Christmas Day - 25 December

If these holidays fall on Saturday, the preceding Friday will be observed. If these holidays fall on Sunday, the following Monday will be observed. If a holiday falls on a scheduled service day, the Contractor will be responsible for rescheduling services for the first day post the holiday observance.

12.5 Base Closures: Work scheduled but not accomplished because of base closure due to weather, exercises, or actual alert, will be accomplished as soon as possible after reopening the base.

13 SERVICE SUMMARY

As a minimum, CORs will monitor, review, and report on the Contractor's performance and compliance with all Service Summary (SS) items shown below. The service requirements summarized below are the critical performance objectives that relate directly to mission essential items. The performance thresholds referenced in the table briefly describe the minimum acceptable levels of service required for each service requirement. The performance thresholds established for each of the performance objectives are the number of defects permitted before the COR notifies the contracting officer in accordance with 52.246-5 -- Inspection of Services -- Cost-Reimbursement.

SERVICE	SOW REFERENCE	PERFORMANCE STANDARD AND ACCEPTABLE QUALITY LEVEL	SURVEILLANCE METHOD
Safety & Compliance	1.9, 5, 9	95% performance of requirements	Periodic Inspection and Customer Feedback
Mx Frequencies & Task	2, Attach A	90% performance of requirements	Periodic Inspection and Customer Feedback
Corrective Mx – Service Request	3	90% performance of requirements	Periodic Inspection and Customer Feedback
Repair Materials/Parts	4	90% performance of requirements	Periodic Inspection and Customer Feedback
Quality Control	6	95% performance of requirements	Periodic Inspection and Customer Feedback
Deliverables	1.7, 1.8, 1.10, 3.1, 4.2,	95% on-time delivery to the Government	100% Inspection

ATTACHMENT A

MAINTENANCE FREQUENCIES:

A. Perform the following comprehensive services IAW manufacturer's specifications on each of the water-cooled chillers at building 1900: All maintenance tasks shall include but not limited to:

1. – Annual – Performed at contract start unless approved by the CO/COR.

- Review and evaluate log readings.
- Record and update chiller firmware and software to current version.
- Record and report abnormal conditions, measurements taken, etc.
- Check and record refrigerant level.
- Leak check entire unit.
- Perform refrigerant analysis by manufacturer recommendations.

2. Purge

- Check purge unit controls for proper operation.
- Check and clean purge drum as required.
- Clean the condenser coil.
- Clean strainers or replace filters as required.
- Check the purge compressor assembly for leaks as required.
- Check the purge unit for proper operation.

3. Controls and Safeties

- Check gauges and indicator lights (if applicable).
- Verify all settings in the electronic control panel.
- Inspect the control panel for cleanliness.
- Inspect wiring and connections for tightness and signs for overheating and discoloration.
- Verify the operation of the vane control system:
 - * Verify the working condition of all indicator/alarm lights and LED/LCD displays.
 - * Verify the operation of the oil sump temperature control device.
 - * Test high condenser pressure safety device. Calibrate and record setting.
 - * Test low evaporator temperature safety device. Calibrate and record setting.
 - * Test low oil pressure safety device. Calibrate and record setting.
 - * Test high-motor temperature safety device. Calibrate and record.
 - * Test operation of chilled water pump and condenser water pump starter auxiliary contacts.
 - * Test operation of chiller and bypass valve relations and adjust/calibrate as required.

4. Lubrication System

- Perform oil analysis by manufacturers' recommendations.
- Check oil for acid content and discoloration.
- Measure and record the oil pump voltage and amperage.
- Verify the operation of the oil heater (if applicable).
- Replace oil filter.
- Replace oil reclaim filter/strainer (if applicable).
- Verify the oil level and add oil as required.

5. Motor and Starter

- Clean the starter and cabinet.
- Inspect wiring and connections for tightness and signs of overheating and discoloration.
- Check condition of the contacts for wear and pitting.
- Check contactors for free and smooth operation.
- Check the mechanical linkages for wear, security, and clearances.
- Check tightness of the motor terminal connections.
- Meg the motor and record reading.
- Verify the operation of the electrical interlocks.
- Technician to inspect AFD operation and verify proper control/settings.

6. Perform condenser tube brushing/cleaning IAW Carrier specifications.

- Remove condenser head (blank end only)
- Thoroughly brush tubes.
- Reinstall head with new gasket.

7. Vibration Analysis ANL-140

- Perform vibration analysis to determine if corrective action is needed.

B. Semi-Annual Condenser Tube Cleaning - Every six months after initial annual services:

- Remove condenser head (blank end only).
- Thoroughly brush condenser tubes.
- Reinstall head with new gasket.

C. Quarterly Operational Services - Every three months after initial annual services:

- Check the general operation of the unit.
- Review alarm history (if applicable).
- Check gauges and indicator lights.
- Log the operating temperatures, pressures, voltages, and amperages.
- Check operation controls (calibrate if applicable).
- Check the operation of the purge unit.
- Check the operation of the control circuit.
- Check the operation of the lubrication system.
- Check the operation of the motor and starter.
- Check dehydrator operation.
- Confirm operation of pumps and cooling tower.
- Check for correct water flow.
- Analyze the recorded data. Compare the data to the original design conditions.
- Make equipment adjustments (as required).