COOLING SERVICE PROGRAM

VALUE-ADDED SERVICES

Regular Onsite System Sampling
This includes analysis of all open recirculating and closed-loop systems. A written service report will confirm all service activities that were conducted and include any technical recommendations.

Corrosion Studies
These tests will be conducted on all of the cooling systems in operation. The corrosion coupons and subsequent analysis will be provided by Aqua Science, Inc. The frequency of the corrosion analysis will be every thirty (30) days. The corrosion protection of the systems will be known at all times.

Microbiological Studies
This study determines the microbiological activity in all of the cooling systems. Data collected from this analysis will be used to pinpoint the most cost-effective feed rate for microbicides. There may be certain periods when microbicide treatments are eliminated in accordance with the test results.

Quantitative Deposit Analysis
The analysis will be performed on-site or by a certified laboratory. Aqua Science, Inc. will coordinate all of the analysis information.

Control Charts
Control charts with limits based on ASME guidelines will be provided and reviewed with operating personnel. These charts will specify the recommended control ranges and a contingency plan of action for periods when the system is out of proper control.

In-Plant Log Sheets
The results of daily testing will be recorded by operating personnel. These test results will be reviewed by an Aqua representative during each service visit. Copies of the log sheets will be sent to our office for further review and file reference.

Program Organization
Aqua Science, Inc. will provide all of the product information for the treatment materials that have been recommended.

Safety Information
Aqua Science, Inc. will provide the material data safety sheets (MSDS) for each product that is recommended. In addition to the MSDS postings, safety seminars will be conducted on an ongoing basis to review and inform everyone involved with the program of the proper procedures for treatment handling.

Equipment Inspections
An Aqua representative will attend every equipment shutdown. The equipment will be marked, dated, and photographed. A complete written report will follow each inspection.

Operator Training
Training seminars are an integral portion of this program. Aqua Science, Inc. has a complete training series that will be administered on a continual basis.

Management Review
An annual meeting with management is requested to review the specific strengths and weaknesses of the program. Topics to be covered include results, costs, services, and future plans for program development. This meeting is an opportunity for the plant management personnel to be very candid in evaluating the “product” received from Aqua Science, Inc.