STATE OF FLORIDA

DEPARTMENT

OF

ENVIRONMENTAL PROTECTION

Conditions of Certification

Progress Energy Florida

Crystal River Energy Complex
Unit 3 Nuclear Power Plant
Unit 4 and Unit 5 Fossil Plant

PA 77-09A2

August 28, 2008

State of Florida Department of Environmental Protection
Progress Energy Florida
Crystal River Units 3, 4 and 5
Case No. PA 77-09A2

<u>CONDITIONS OF CERTIFICATION</u> Modified 08/28/08

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I. CERTIFICATION CONTROL

A. Pursuant to s. 403.501-518, F.S., the Florida Electrical Power Plant Siting Act, this certification is issued to Progress Energy Florida, Inc (PEF) as owner/operator of Crystal River Energy Complex. The Department recognizes that Nuclear Unit 3 and Fossil Units 4 and 5 are under the control of different divisions of PEF. Unless otherwise specified, PEF shall be responsible for the compliance with the conditions herein. Violation of any conditions specific to Units 3, 4, or 5 shall solely affect the license of the responsible generating units. Under the control of these Conditions of Certification PEF will operate a 1437 MW (nominal) facility consisting of two coal-fired Units No. 4 and No. 5 (and ancillary equipment), and one 1,080 MW (nominal) nuclear plant Unit 3. These units are located on a 4,738 -acre site which is located at Township 17, Range 16, Citrus County, Florida. Existing Units 1 and 2 are not subject to this certification or these conditions.

B. The general and specific conditions contained in these Conditions of Certification, unless specifically amended or modified, are binding upon the licensee and shall apply to the construction and operation of the certified facility. If a conflict should occur between the design criteria of this project and the Conditions of Certification, the Conditions shall prevail unless amended or modified.

II. APPLICABLE RULES

The construction and operation of the certified facility shall be in accordance with all applicable provisions of Florida Statutes and Department and Water Management District rules, including the following regulations: [Southwest Florida WMD: 40D-1, 40D-2, 40D-3, 40D-4, 40D-8,40D-21, 40D-40] 62-4, 62-17, 62-256, 62-296, 62-297, 62-301, 62-302, 62-531, 62-532, 62-550, 62-555, 62-560, 62-600, 62-601, 62-604, 62-610, 62-620, 62-621, 62-650, 62-699, 62-660, 62-701, 62-762, 62-767, 62-769, and 62-770, Florida Administrative Code (F.A.C.), or their successors as they are renumbered.

III. DEFINITIONS

The meaning of terms used herein shall be governed by the definitions contained in Chapter 403, Florida Statutes, and any regulation adopted pursuant thereto. In the event of any dispute over the meaning of a term used in these general or special conditions which is not defined in such statutes or regulations, such dispute shall be resolved by reference to the most relevant definitions contained in any other state or federal statute or regulation or, in the alternative by the use of the commonly accepted meaning as determined by the Department. As used herein:

A. "Application" shall mean the Site Certification Application (SCA) for the certified facility, as supplemented.

B. "DEP" or Department shall mean the Florida Department of Environmental Protection.

C. "DHR" shall mean the Florida Department of State, Division of Historical Resources.

D. "Emergency conditions" shall mean urgent circumstances involving potential adverse consequences to human life or property as a result of weather conditions or other calamity, and necessitating new or replacement gas pipeline, transmission lines, or access facilities.

E. "Facility" shall mean the certified electrical power generation facility and all associated structures, including but not limited to: nuclear steam generating unit, fossil steam boilers, steam turbine generators, transformers, associated transmission lines, substations, fuel and water storage tanks, air and water pollution control equipment, storm water control ponds and facilities, cooling towers, ash landfill, coal pile and related structures.

F. "Feasible" or "practicable" shall mean reasonably achievable considering a balance of land use impacts, environmental impacts, engineering constraints, and costs.

G. "FFWCC" shall mean the Florida Fish and Wildlife Conservation Commission.

H. "Licensee" means an applicant that has obtained a certification order for the subject project.

I. "NPDES permit" shall mean the federal National Pollutant Discharge Permit System permit issued in accordance with the federal Clean Water Act.

J. "Power plant" shall mean the electric power generating plant and associated structures to be modified or constructed on the certified site, as generally depicted in the Application.

K. "Project" shall mean the Units 3, 4 and 5 electrical power generating facility and all associated facilities.

L. "PSD permit" shall mean the federal Prevention of Significant Deterioration air emissions permit issued in accordance with the federal Clean Air Act.

M. "SWFWMD" shall mean the Southwest Florida Water Management District.

N. "Title V permit" shall mean the federal permit issued in accordance with Title V of the federal Clean Air Act

IV. GENERAL CONDITIONS

These General Conditions shall be applicable to all areas of the certified site. Compliance with the General Conditions shall be the joint responsibility of Progress Energy Nuclear Plant (Unit 3) and Progress Energy Fossil Fuel Plant (Units 4 and 5). Any violation of a General Condition shall be a violation by Progress Energy Florida.

A. Facilities Operation

1. The Licensee shall at all times properly operate and maintain the facility and related appurtenances, and systems of treatment and control that are installed and used to achieve compliance with the conditions of this certification, and are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the

conditions of the approval and when required by Department rules.

2. In the event of a prolonged [thirty (30) days or more] equipment malfunction or shutdown of pollution control equipment, facility operation may be allowed to resume and continue to take place under an appropriate Department order, provided that the licensee demonstrates that such operation will be in compliance with all applicable ambient air quality standards and PSD increments, water quality standards and rules, solid waste rules, domestic wastewater rules and industrial wastewater rules. During such malfunction or shutdown, the operation of the facility shall comply with all other requirements of this certification and all applicable state and federal emission and effluent standards not affected by the malfunction or shutdown.

B. Records Maintained at the Facility

1. These Conditions of Certification or a copy thereof shall be kept at the work site of the approved activity.

2. The licensee shall hold at the facility, or other location designated by this approval, records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation required by this approval, copies of all reports required by this approval, and records of all data used to complete the application for this approval. These materials shall be retained at least three (3) years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule. The licensee shall provide copies of these records to the Department upon request. If the licensee becomes aware of relevant facts that were not submitted or were incorrect in any report to the Department, such facts or information shall be promptly submitted or corrected.

C. Change in Discharge

All discharges or emissions authorized herein shall be consistent with the terms and conditions of this certification. The discharge of any regulated pollutant not identified in the application, or more frequently than, or at a level in excess of that authorized herein, shall constitute a violation of the certification. Any anticipated facility expansions, production increases, or process modifications which may result in new, different or increased discharges or pollutants, change in fuel, or expansion in steam generating capacity must be reported by submission of an application for amendment or modification pursuant to Chapter 403.516, F.S.

D. Noncompliance Notification

If, for any reason, the licensee does not comply with or is unable to comply with any limitation specified in this certification, the licensee shall notify the Southwest District Office of the Department by telephone during the working day that said noncompliance occurs. After normal business hours, the licensee shall report any condition that poses a public health threat to the State Warning Point at telephone number (850) 413-9911 or (850) 413-9912. The licensee shall confirm this situation to the DEP District Office in writing within seventy-two (72) hours of becoming aware of such conditions and shall supply the following information:

1. A description of the discharge and cause of noncompliance; and,

2. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and,

3. Steps being taken to reduce, eliminate and prevent recurrence of the non-complying event.

E. Adverse Impact

The licensee shall take all reasonable steps to minimize any adverse impact resulting from noncompliance with any limitation specified in this certification, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying event.

F. Right of Entry

The licensee shall allow authorized Department personnel, including authorized representatives of the Florida Department of Environmental Protection, Water Management Districts, and/or United States Environmental Protection Agency, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, and recognizing the security that must be maintained at the facility, depending upon the nature of the concern being investigated:

1. To enter upon the licensee's premises where an effluent source is located or in which records are required to be kept under the terms and conditions of this permit; and,

2. To have access to and copy any records required to be kept under the conditions of this certification; and,

3. To inspect and observe the permitted facilities, equipment, practices, or operations regulated or required under these Conditions to determine compliance with the approved plans, specifications and conditions of this certification; and,

4. To sample or monitor any substances or parameters at any location necessary to assure compliance with these Conditions or Department rules.

G. Enforcement

1. The terms, conditions, requirements, limitations and restrictions set forth in these Conditions of Certification are binding and enforceable pursuant to Sections 403.141, 403.161, 403.514. Any noncompliance with a Condition of Certification or condition of a federally delegated or approved permit constitutes a violation of chapter 403, F.S., and is grounds for enforcement action, permit termination, permit revocation, or permit revision. The Licensee is placed on notice that the Department will review this approval periodically and may initiate enforcement action for any violation of these conditions.

2. All records, notes, monitoring data and other information relating to the construction or operation of this certified source which are submitted to the Department may be used by the Department as evidence in any enforcement case

involving the certified source arising under the Florida Statutes or Department rules, except where such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

H. Revocation or Suspension

This certification may be suspended or revoked pursuant to Section 403.512, Florida Statutes, or for violations of any of these Conditions of Certification. This approval is valid only for the specific processes and operations identified within the application and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this approval may constitute grounds for revocation and enforcement action by the Department. Any enforcement action, including suspension and revocation, shall only affect the certified facilities that are the cause of such action, and other facilities at the Crystal River Energy Complex shall remain unaffected by such action.

I. Civil and Criminal Liability

1. This certification does not relieve the licensee from civil or criminal penalties for noncompliance with any conditions of this certification, applicable rules or regulations of the Department, or Chapter 403, Florida Statutes, or regulations thereunder.

2. This certification does not relieve the licensee from liability for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the licensee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

3. As provided in Subsections 403.087(7), 403.511, and 403.722(5), F.S., the issuance of this certification does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This approval is not a waiver of any other Department approval that may be required for other aspects of the total project under federally delegated programs.

4. Subject to Section 403.511, Florida Statutes, this certification shall not preclude the institution of any legal action or relieve the licensee from any responsibilities or penalties established pursuant to any other applicable State Statutes or regulations.

J. Property Rights

The issuance of this certification does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations. The applicant shall obtain title, lease or right of use from the State of Florida, to any sovereign submerged lands utilized by the project.

K. Severability

The provisions of this certification are severable, and if any provision of this certification, or the application of any provision of this certification to any circumstances, is held invalid, the application of such provision to other circumstances and the remainder of the certification shall not be affected thereby.

L. Review of Site Certification

The certification shall be final unless revised, revoked or suspended pursuant to law. At least every five years from the date of issuance of certification the Department will review all monitoring data that has been submitted to it during the preceding five-year period for the purposes of determining the extent of the Licensee's compliance with the conditions of this certification and the environmental impact of this facility. Such review will be repeated at least every five years thereafter.

M. Procedural Rights

Except as specified in Chapter 403, F.S., or Chapter 62-17, F.A.C., no term or condition of certification shall be interpreted to preclude the post-certification exercise by the licensee of whatever procedural rights it may have under Chapter 120, F.S., including those related to rule-making proceedings.

N. Modification of Conditions

The conditions of this certification may be modified in the following manner:

1. Pursuant to Subsection 403.516(1), Florida Statutes, the Siting Board hereby delegates to the Secretary of the Department of Environmental Protection the authority to modify, after notice and opportunity for hearing, any conditions herein which would not otherwise require approval from the Siting Board.

2. This certification shall be automatically modified to conform to any subsequent amendments, modifications, or renewals made by the Department under a federally delegated or approved program to any separately issued Prevention of Significant Deterioration (PSD) permit, Title V air permit, or National Pollutant Discharge Elimination System (NPDES) permit for the certified facility. The Permittee shall send each party to the original certification proceedings (at the party's last known address as shown in the record of such proceeding) notice of requests for modifications or renewals of the above listed permits if the request involves a new or modified relief mechanism (e.g., mixing zone, variance, etc.) from standards, a relaxation of conditions included in the permit due to state permitting requirements, or the inclusion of less restrictive air emission limitations in the air permits. The Department shall notify all parties to the certification proceeding of any intent to modify conditions under this section prior to taking final agency action.

3. All other modifications to these conditions shall be made in accordance with Section 403.516, Florida Statutes.

4. Any modification to these conditions shall only affect the units or other facilities that are the subject of the modification request or the Department's

proposed order of modification.

O. Transfer of Certification

This certification is transferable only upon Department approval in accordance with Section 403.516, F.S., and Rules 62-17.211(3) and 62-730.300, F.A.C., as applicable. The licensee shall be liable for any noncompliance of the approved activity until the transfer is approved by the Department.

P. Safety

The overall design, layout, and operation of the facilities shall be such as to minimize hazards to humans and the environment. Security control measures shall be utilized to prevent exposure of the public to hazardous conditions. The applicable Federal Occupational Safety and Health Standards shall be complied with during construction and operation.

Q. Screening

The Licensee shall provide screening of the site to the extent feasible through the use of aesthetically acceptable structures, vegetated earthen walls and/or existing or planted vegetation.

R. Toxic, Deleterious or Hazardous Materials

1. The Licensee shall not discharge to surface waters wastes which are acutely toxic, or present in concentrations which are carcinogenic, mutagenic, or teratogenic to human beings or to significant locally occurring wildlife or aquatic species. The Licensee shall not discharge to ground waters wastes in concentrations which, alone or in combination with other substances, or components of discharges (whether thermal or non-thermal) are carcinogenic, mutagenic, teratogenic, or toxic to human beings (unless specific criteria are established for such components in Section 62-520.420, F.A.C.) or are acutely toxic to indigenous species of significance to the aquatic community within surface waters affected by the ground water at the point of contact with surface waters.

2. The licensee shall report all spills of materials having potential to significantly pollute surface or ground waters and which are not confined to a building or similar containment structure, by telephone immediately after discovery of such spill. The licensee shall submit a written report within forty-eight hours, excluding weekends, from the original notification. The telephone report shall be submitted by calling the DEP District Office Industrial Wastewater Compliance/Enforcement Section. After normal business hours, the licensee shall contact the State Warning Point by calling (850) 413-9911 or (850) 413-9912. The written report shall include, but not be limited to, a detailed description of how the spill occurred, the name and chemical make-up (include any MSDS sheets) of the substance, the amount spilled, the time and date of the spill, the name and title of the person who first reported the spill, the size and extent of the spill and surface types (impervious, ground, water bodies, etc.) it impacted, the cleanup procedures used and status of completion, and include a map or aerial photograph showing the extent and paths of the material flow. Any deviation from this requirement must receive prior approval from the Department.

S. Noise

Construction noise shall not exceed noise criteria or any applicable requirements of Citrus County.

T. Flood Control Protection

Any new facilities for the certified facilities or associated facilities shall be constructed in such a manner as to comply with the appropriate County flood protection requirements, which may include flood proofing or raising the elevation of the new or expanded facilities above the 100-year flood level. However, existing facilities are not required to be modified to comply with such flood control protection standards.

U. Historical or Archaeological Finds

If historical or archaeological artifacts, such as Indian canoes, are discovered at any time within the certified site, the licensee shall notify the DEP District office and the Bureau of Historic Preservation, Division of Historical Resources, R.A. Gray Building, Tallahassee, Florida 32399, telephone number (850) 487-2073.

V. Endangered and Threatened Species

Prior to start of construction, the licensee shall survey the portion of the certified site which may be affected by construction for endangered and threatened species of animal and plant life. Plant species listed as endangered or threatened by the federal government and plant species listed as endangered by the state shall be transplanted to an appropriate area if practicable. Gopher tortoises and any commensals on the rare or endangered species list shall be relocated after consultation with the FFWCC. A relocation program, as approved by the FFWCC, shall be followed. Entombment of gopher tortoises shall not be allowed.

W. Dispute Resolution

If a situation arises in which mutual agreement cannot be reached between the Licensee and an agency exercising its regulatory jurisdiction under these conditions, then the matter shall be immediately referred to the Division of Administrative Hearings (DOAH) for disposition in accordance with the provisions of Chapter 120, F.S.

X. Laboratories And Quality Assurance

1. The licensee shall ensure that all laboratory analytical data submitted to the Department, as required by this Certification, are from a laboratory which has a currently valid and Department approved Comprehensive Quality Assurance Plan (CompQAP) or a CompQAP pending approval for all parameters being reported, as required by Chapter 62-160, F.A.C.

2. The licensee shall ensure that all samples required pursuant to this certification are taken by an appropriately trained technician following EPA and Department approved sampling procedures and chain-of-custody requirements in accordance with Rule 62-160, F.A.C. All chain-of-custody records shall be retained on-site for at least three (3) years and made available to the Department immediately upon

request.

3. Records of monitoring information shall include:

the date, exact place, and time of sampling or measurements;

a) the person responsible for performing the sampling or measurements;

b) the dates analyses were performed;

c) the person responsible for performing the analyses;

d) the analytical techniques or methods used; and,

e) the results of such analyses.

Y. Procedures For Post-Certification Submittals

1. The licensee shall provide within 90 days after certification a complete summary of those submittals identified in the Conditions of Certification where due-dates for information required of the licensee are identified. Such submittals shall include, but are not limited to, monitoring reports, management plans, wildlife surveys, etc. The summary shall be provided to the Siting Coordination Office and any affected agency or agency subunit to whom the submittal is required to be provided, in a sortable spreadsheet, via CD and hard copy, in the format identified below or equivalent. (62-17.191, F.A.C.)

Condition Number	Requirement and timeframe	Due Date	Name of Agency or agency subunit to whom the submittal is required to be provided

2. Purpose of Submittals: Conditions of Certification which provide for the post-certification submittal of information to DEP or other agencies by the licensee are for the purpose of facilitating monitoring by the Department of the effects arising from the certified facilities. This monitoring is for DEP to assure, in consultation with other agencies with applicable regulatory jurisdiction, continued compliance with the conditions of certification, without any further agency action.

3. Filings: All post-certification submittals of information by the licensee or copies of applications for separate federal permits which are to be issued by

State agencies are to be filed with DEP Siting Office. Copies of each submittal shall also be simultaneously copied to any other agency indicated in the specific conditions requiring the post-certification submittals.

4. Completeness: The DEP shall promptly review each post-certification submittal for completeness. This review shall include consultation with the other agencies receiving the post-certification submittal. For the purposes of this condition, completeness shall mean that the information submitted is both complete and sufficient. If the submittal is found to be incomplete, the licensee shall be so notified. Failure to issue such a notice within forty-five (45) days after filing of the submittal shall constitute a finding of completeness. (62-17.191, F.A.C.)

5. Interagency Meetings: Within sixty (60) days of the filing of a complete post-certification submittal, DEP may conduct an interagency meeting with other agencies which received copies of the submittal. The purpose of such an interagency meeting shall be for the agencies with regulatory jurisdiction over the matters addressed in the post-certification submittal to discuss whether reasonable assurance of compliance with the conditions of certification has been provided. Failure of any agency to attend an interagency meeting shall not be grounds for DEP to withhold a determination of compliance with these conditions nor to delay the time frames for review established by these conditions.

6. Reasonable Assurance of Compliance: Within ninety (90) days of the filing of a complete post-certification submittal, unless another date is specified herein, DEP shall give written notification to the licensee and the agencies to which the post-certification information was submitted of its determination whether there is reasonable assurance of compliance with the conditions of certification. If it is determined that reasonable assurance has not been provided, the licensee shall be notified with particularity and possible corrective measures suggested. Failure to notify the licensee in writing within ninety (90) days of receipt of a complete post-certification submittal shall constitute a determination of reasonable assurance of compliance.

Z. Potable Water Supply System

The potable water supply system shall be designed and operated in conformance with Chapter 17-22, FAC. Information as required in 17-22.05 shall be submitted to the Department prior to construction and operation. The operator of the potable water supply system shall be certified in accordance with Chapter 17-23, FAC. Potable water for Unit 3 shall continue to be provided by the separate potable water treatment system operated by Units 1 and 2.

V. CONSTRUCTION

A. Standards and Review of Plans

1. All construction at the certified facility shall be pursuant to the design standards presented in the application or amended application and the standards or plans and drawings submitted and signed by an engineer registered in the state of Florida. Specific Southwest DEP District Office acceptance of plans will be required based upon a determination of consistency with approved design concepts,

regulations, and these conditions prior to initiation of construction of any: industrial waste treatment facility; domestic waste treatment facility; potable water treatment and supply system; ground water monitoring system, storm water runoff system; solid waste disposal area; and hazardous or toxic handling facility or area. The Licensee shall present specific plans for these facilities for review by the DEP Southwest District Office at least ninety (90) days prior to construction of those portions of the facility for which the plans are then being submitted, unless other time limits are specified in the following conditions herein. Review and approval or disapproval shall be accomplished in accordance with Chapter 120, F.S., or these conditions of certification as applicable. The licensee shall not proceed with construction without a written authorization from the Department.

2. The Department must be notified in writing and prior written approval obtained for any material change, modification, or revision to be made to the project during construction which is in conflict with these conditions of certification. If there is any material change, modification, or revision made to a project approved by the Department without this prior written approval, the project will be considered to have been constructed without departmental approval, the construction will not be cleared for service, and the construction will be considered a violation of the conditions of certification.

3. Ninety (90) days prior to the anticipated date of first operation, the Licensee shall provide the Southwest District and the Siting coordination Office of the Department with an itemized list of any changes made to the facility design and operation plans that would affect a change in discharge as referenced in Condition IV.C. since the time of the approval of these conditions. This pre-operational review of the final design and operation shall demonstrate continued compliance with Department rules and standards.

4. Final drainage plans illustrating any new or modified stormwater treatment facilities and conveyances for construction phases of the certified facility site shall be submitted to the DEP Southwest District Manager and the SWFWMD as applicable for review and approval prior to construction of any such conveyance or facility. The Department shall indicate its approval or disapproval within 60 days of the submittal. Analysis report of the produced ground samples shall be submitted 30 days before surface water discharge begins.

B. Control Measures

During construction and plant operation, necessary measures shall be used to settle, filter, treat or absorb silt containing or pollutant laden stormwater runoff to limit the suspended solids to 50 mg/1 or less at the POD during rainfall periods not less than the 10-year, 24-hour rainfall, and to prevent an increase in turbidity to more than 50 Jackson Turbidity Units above background in waters of the State. Control measures shall consist at the minimum, of filters, sediment traps, barriers, berms or vegetative planting. Exposed or disturbed soil shall be protected as soon as possible to minimize silt and sediment laden runoff. The pH shall be kept within the range of 6.0 to 8.5, after opportunity for reasonable mixing as defined in II.A.8.

Any open burning in connection with initial land clearing shall be in accordance with Chapter 62-256, F.A.C., Chapter 5I-2, F.A.C., Uniform Fire Code Section 33.101 Addendum, and any other applicable County regulation. Any burning of construction-generated material, after initial land clearing that is allowed to be burned in accordance with Chapter 62-256, F.A.C., shall be reviewed by the DEP Southwest District office in conjunction with the Division of Forestry and any other county regulations that may apply. Burning shall not occur if not approved by the appropriate agency or if the Department or the Division of Forestry has issued a ban on burning due to fire safety conditions or due to air pollution conditions.

Disposal of sanitary wastes from construction toilet facilities shall be in accordance with applicable regulations of the appropriate local health agency. The sewage treatment plant shall be operated in accordance with Chapters 17-3, 17-16, and 17-19, F.A.C.

Solid wastes resulting from construction shall be disposed of in accordance with the applicable regulations of Chapter 62-701, F.A.C.

Construction noise shall not exceed noise criteria or any applicable requirements of Citrus County. To mitigate the effects of noise produced by any steam blowout of steam boiler tubes, the licensee shall conduct reasonable public awareness campaigns prior to such activities to forewarn the public that may be affected by the noise of the estimated time and duration of the noise.

The licensee shall employ proper odor and dust control techniques to minimize odor and fugitive dust emissions. The applicant shall employ control techniques sufficient to prevent nuisance conditions which interfere with enjoyment of residents of adjoining property.

Directly associated transmission lines from the facility electric switchyard to existing transmission lines shall be maintained in accordance with the application and the appropriate state and federal regulations concerning use of herbicides. The Licensee shall notify the Department of the type of herbicides to be used at least 60 days prior to their first use.

The licensee shall develop the site so as to retain the buffer of natural vegetation as described in the Units 4 and 5 application and in Condition IV.Q. Screening.

Dewatering operations during construction shall be carried out in accordance with Rule 62-621.300(2), F.A.C.

C. Environmental Control Program

An environmental control program shall be established under the supervision of a Florida registered professional engineer or other qualified person to assure that all construction activities conform to applicable environmental regulations and the applicable conditions of certification. If a violation of standards, harmful effects or irreversible environmental damage not anticipated by the application or the evidence presented at the certification hearing are detected during construction, the Licensee shall notify the DEP Siting Office and Southwest District Office as required by Condition

IV. D., Noncompliance Notification.

D. Reporting

Notice of commencement of construction shall be submitted to the Siting Coordination Office and the DEP Southwest District Office within fifteen (15) days of initiation. Starting three (3) months after construction commences, a quarterly construction status report shall be submitted to the DEP Southwest District Office. The report shall be a short narrative describing the progress of construction.

E. Construction in Waters of the State

No construction on sovereignty submerged lands shall commence without obtaining lease or title from the Department of Environmental Protection Natural Resources. Construction of intake and discharge structures should be done in a manner to minimize turbidity. Sheet piles or turbidity screens should be used if necessary to prevent turbidity in excess of 50 JTU above background beyond 150 meters from the POD and/or construction site.

F. Transformer and Electric Switching Gear

The foundations for any new or modified transformers, capacitors, and switching gear necessary for Crystal River Units 3, 4 and 5 to connect to the existing transmission system shall be constructed of an impervious material and shall be constructed in such a manner to allow complete collection and recovery of any spills or leakage of oily, toxic, or hazardous substances.

VI. UNIT 4 & UNIT 5 SPECIFIC CONDITIONS

The following Specific Conditions shall apply only to Unit 4 and Unit 5. Compliance with these Specific Conditions shall be the responsibility of Progress Energy (Fossil).

A. Air

The construction and operation of the Units No. 4 and 5 at the Crystal River steam electric plant site shall be in accordance with all applicable provisions of the Chapters 62-210 through 62-297, and 62-702, Florida Administrative Code.

Title V Air Operation Permit 0170004-015-AV, Air Construction Permits 0170004-013-AC and 0170004-014-AC (including subsequent modifications), and PSD permit PSD-FL-383 (including subsequent modifications) are incorporated by reference herein as part of this Certification and attached as Appendix A through Appendix D.

The provisions of the above shall be conditions of this certification. The licensee shall comply with the substantive provisions and limitations set forth in Title V Air Operation Permit Number 0170004-015-AV, Air Construction Permits 017004-013-AC and 017004-014-AC, and PSD permit PSD-FL-383 as part of these Conditions of Certification, and as those provisions may be modified, amended, or renewed in the future by the Department. Such provisions shall be fully enforceable as conditions of this certification. Any violation of such provisions shall be a violation of these Conditions of Certification.

In addition to the foregoing, the Licensee shall comply with the following specific conditions of certification: Note that Sections 2 and 3 below (in italics) will be automatically deleted once a Title V permit is issued signifying the successful start-up and operation of the flue gas desulfurization system:

1. Reporting

a) For each unit, stack monitoring, fuel usage and fuel analysis data shall be reported to the Department on a quarterly basis commencing with the start of commercial operation in accordance with 40 CFR, Part 60, Section 60.7, and in accordance with Section 17-2.08, FAC.

b) Ambient air monitoring data shall be reported to the Department quarterly commencing on the date of certification by the last day of the month following the quarterly reporting period utilizing the SAROAD or other format approved by the Department in writing.

c) Beginning one month after certification the licensee shall submit to the Department a quarterly status report briefly outlining progress made on engineering design and purchase of major pieces of equipment (including control equipment). All reports and information required to be submitted under this condition shall be submitted to the Administrator of Power Plant Siting, Department of Environmental Regulation, 2600 Blair Stone Road, Tallahassee, Florida 32301.

2. Coal Characteristics and Contracts

Before approval can be granted by the Department for use of control devices, characteristics of the coal to be fired must be known. Therefore, before these approvals are granted, the licensee must submit to the Department copies of coal contracts which should include the expected sulfur content, ash content, and heat content of the coal to be fired. These data will be used by the Department in its evaluation of the adequacy of the control devices. Also, the licensee must demonstrate the ability to acquire a low sulfur coal supply of sufficient length to enable the installation of sulfur removal equipment if the supplies of low sulfur coal should not become available or be discontinued. Therefore, the coal contracts must be for a period of at least five (5) years from the date of start-up of the boiler.

3. Coal Information

As an alternative to the submittal of contracts for purchase of coal under condition E above, the licensee may submit the following information:

a) The name of the coal supplier;

b) The sulfur content, ash content, and heat content of the coal as specified in the purchase contracts;

c) The location of the coal deposits covered by the contract (including mine name and seam);

d) The date by which the first delivery of coal will be made;

e) The duration of the contract; and

f) An opinion of counsel for the licensee that the contracts are legally binding.

4. Natural Gas

Natural Gas may be used as a startup and low-load flame stabilization fuel in Unit 4 and Unit 5.

B. Water Discharges

Any discharges into any waters of the State during construction and operation of the Units 4 & 5 shall be in accordance with all applicable provisions of Chapter 17-3, Florida Administrative Code and 40 CFR 423, *Effluent Guidelines and Standards for Steam Electric Power Generating Point Source Category* and with NPDES permit no. FL 0036366-006-IW1S/NR (attached as Appendix F) as well as any subsequent modifications, amendments and/or renewals. Also, the Licensee shall comply with the following conditions of certification:

1. Plant Effluents and Receiving Body of Water

For discharges made from the power plant the following conditions would apply:

a) Receiving Body of Water (RBW)

The receiving body of water will be determined by the Department to be those waters affected which are considered to be waters of the State within the definition of Chapter 403, Florida Statutes.

b) Point of Discharge (POD)

The point of discharge will be determined by the Department to be where the effluent physically enters the waters of the State.

c) Thermal Mixing Zone

The zone of thermal mixing for cooling tower blowdown shall not extend beyond the western end of the north bank of the existing discharge canal. During discharge, the blowdown from the cooling tower for Units No. 4 & 5 shall be withdrawn at the point of lowest temperature of the recirculating cooling water prior to the addition of makeup water.

d) Chemical Wastes and Boiler Blowdown

All discharges of low volume wastes (demineralizer regeneration, cooling tower basin cleaning wastes, floor drainage, sample drains and similar wastes), metal cleaning wastes (including preheater and fireside wash) and boiler blowdown shall comply with Chapter 17-3. If violations of Chapter 17-3 occur, corrective action shall be taken. These wastewaters shall be discharged to an adequately sized and constructed percolation pond.

e) Coal Pile and Ash Landfill Runoff

Coal pile runoff and ash landfill runoff from less than 10-year 24-hour rainfall shall be treated if required by Special Condition IV.F.8. and discharged to an adequately sized and constructed percolation ditch system.

f) Cooling Tower Blowdown

The cooling tower blowdown shall contain no detectable amounts of materials added for corrosion inhibition, unless prior approval for use of such material has been granted by the Department upon demonstration that the discharge is not toxic to aquatic life, does not contain priority pollutants and will not result in pollutant concentrations in excess of water quality standards.

g) Chlorine

The quantity of free available chlorine discharged in the blowdown from the cooling tower shall not exceed 0.5 mg/l at any one time and shall not exceed 0.2 mg/l as an average. Neither free available chlorine nor total residual chlorine may be discharged from either unit for more than two hours in any one day and Units 4 or 5 may not discharge chlorine while any other unit is discharging chlorine.

h) pH

The pH of all discharges shall be such that the pH of water in the discharge canal shall be within the range of 6.0 to 8.5, at a distance of 150 meters from the POD into the canal.

i) Polychlorinated Biphenyl Compounds

There shall be no discharge of polychlorinated biphenyl compounds.

C. Water Monitoring Programs

The Licensee shall monitor and report to the Department the listed parameters on the basis specified herein. The methods and procedures utilized shall receive written approval by the Department. The monitoring program may be reviewed annually by the Department, and a determination may be made as to the necessity and extent of continuation, and may be modified in accordance with Condition N of the General Conditions of Certification.

1. Chemical Monitoring

The following parameters shall be monitored as shown during discharge commencing with the start of commercial operation of the first unit and reported quarterly to the Department:

Parameter	**Location**	**Sample Type**	**Frequency**
Flow, Groundwater	Well field Pipeline	Recorder	Totalizer
Flow, Discharge	C.T. Outfall*	Recorder	Totalizer
Conductivity	C.T. Outfall	Recorder	Continuous
pH	C.T. Outfall	Grab**	Daily
Temperature	C.T. Outfall	Recorder	Continuous

TDS	C.T. Outfall	Grab	Weekly
Total Residual Oxidants	C.T. Outfall	Recorder	Continuous

* Cooling Tower Outfall Pipe
** Representative Sample

2. *Groundwater Monitoring*

a) The groundwater levels shall be monitored continuously at wells as approved by Southwest Florida Water Management District. Chemical analyses shall be made on samples from all monitored wells identified in Condition III.F. below. The location, frequency and selected chemical analyses shall be as given in Condition III.F.

b) The groundwater monitoring program shall be implemented at least one year prior to operation of Crystal River No. 4. The chemical analyses shall be in accord with the latest edition of *Standard Methods for the Analysis of Water and Wastewater*. The data shall be submitted within 30 days of collection/analysis to the Southwest Florida Water Management District (SWFWMD) and to the DEP Southwest District Office.

c) Conductivity and heavy metals shall be monitored in wells around all ash disposal sites and coal piles.

D. Percolation Pond Monitoring Requirements

1. Upon beginning operation of the coal pile runoff and leachate treatment system, the licensee shall sample and analyze the wastewater in the percolation pond for the following parameters on a quarterly basis: pH, specific conductance, total recoverable arsenic, total recoverable barium, total chlorides, total recoverable iron, total recoverable magnesium, total recoverable sodium, total dissolved solids, total recoverable vanadium, and total recoverable zinc. Results shall be submitted in accordance with Condition VI.D.3 below.

2. If the appropriate primary ground water quality criteria specified in Chapter 62-520, Florida Administrative Code (F.A.C.) is not met in the percolation pond for the parameters listed in Condition VI.D.1., the Department shall re-evaluate the licensee's current monitoring requirements and may require the licensee to submit a proposed ground water monitoring plan in accordance with Rule 62-522.600, F.A.C., for this percolation pond system.

3. Effluent monitoring test results shall be submitted on Part A of DEP Form 62-620.910(10) (Attachment 3). Results shall be submitted with the DMR for each month listed in the following schedule.

Sample Period	Report Due Date
January – March	April 28
April – June	July 28
July – September	October 28

October – December	January 28

4. The permittee shall make copies of the attached DMR form(s) and shall submit the original completed DMR form(s) to the Siting Office and a copy to the Department's SWD, Industrial Wastewater Program.

E. FGD Scrubber Blowdown

FGD scrubber blowdown wastewater shall be discharged to treatment systems outside of the Unit 4 & 5 Certified area. Any such receiving treatment system shall be permitted in accordance with all applicable requirements.

F. Southwest Florida Water Management District (SWFWMD) – Groundwater

1. Withdrawal Quantities and Facilities

District ID/Owner ID	Water Allocation Average Gallons per Day	Well Casing/Depth Feet	STATUS
1/PW-1	250,000	35/200	EXISTING
2/PW-2	250,000	47/200	EXISTING
3/PW-3	250,000	60/200	EXISTING
4/PW-4	250,000	41/200	EXISTING
5/PW-5	521,520	35/200	EXISTING
6/PW-6	521,520	50/200	EXISTING
7/PW-7	521,520	50/200	EXISTING
14/PW-8	521,520	50/200	PROPOSED
15/PW-9a	521,520	50/200	PROPOSED
16/PW-10a	521,520	50/200	PROPOSED
Total All Wells	4,309,000		

2. Submit Reports/Data

All reports and data required by these conditions of certification shall be submitted to the SWFWMD according to the due dates contained in the specific condition. If the report or data is received on or before the tenth day of the month following data collection, it shall be deemed as a timely submittal. The Licensee may use the SWFWMD's website to submit data, plans or reports online. To set up an account, the Licensee can address the request to permitdata@watermatters.org. All mailed reports and data are to be sent to:

Permit Data Section, Regulation Performance Management
Department Southwest Florida Water Management SWFWMD

2379 Broad Street
Brooksville, Florida 34604-6899

Submission on plans and reports: Unless submitted online or otherwise indicated in the special condition, the original and two copies of each plan and report required herein.

Submission of Data: Unless submitted online or otherwise indicated in the special condition, an original (no copies) is required for data submittals such as meter readings and/or pumpage, rainfall, water level, evapotranspiration, or water quality data.

3. Environmental Impacts, Monitoring, and Mitigation: Environmental Assessment

a. Environmental Monitoring Plan

Licensee shall submit an Environmental Monitoring Plan for SWFWMD review and approval within 90 days of conditions of certification issuance. The monitoring plan, at a minimum shall utilize the SWFWMD's Wetland Assessment Procedure to evaluate the relative condition of surface waters and wetlands in areas affected by water withdrawals of Licensee. Upon SWFWMD approval, the plan shall be implemented and monitoring reports shall be provided in the annual monitoring report required by Condition No. C.6. After two years of monitoring following groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, the Licensee may request the SWFWMD release the Licensee from monitoring. If the SWFWMD concurs with the request, the SWFWMD will request DEP modify the conditions of certification to remove the monitoring condition.

b. Data Collection:

Licensee shall maintain and monitor the environmental monitoring sites included in the approved monitoring plan. Water levels for monitor wells and staff gauges for the sites included in the monitoring plan shall be referenced to National Geodetic Vertical Datum (NGVD) and reported in a form acceptable to the SWFWMD by the 10th day of each month for the preceding month. The time and date that the elevation is taken shall be included. Any changes to the methods or frequency of monitoring for any of these data collection programs must be approved by the SWFWMD.

c. Staff Gauges:

Licensee shall install and thereafter maintain SWFWMD-approved staff gauges and shall report measurements of water levels, as indicated in the monitoring plan. Water levels shall be recorded and reported to the SWFWMD on or before the tenth day of the following month. To the maximum extent possible, water levels shall be recorded as indicated in the monitoring plan. The frequency of recording may be modified by the SWFWMD as necessary to ensure protection of the resource.

d. Rain Gauges:

Licensee shall maintain a continuous recording rain gauge within the area. Total daily rainfall shall be recorded at this station and submitted to the SWFWMD (on SWFWMD forms or on line) on or before the tenth day of the following month. The reporting period for these data shall begin on the first day of each month and end on the last day of each month.

e. Data Handling:

Licensee shall monitor water levels in the monitor wells and piezometers as specified in the monitoring plan. Reports of the data shall be submitted to the SWFWMD in a form acceptable to the SWFWMD. All data shall be referenced to NGVD. The frequency of water-level recording may be modified by the SWFWMD as necessary to ensure the protection of the resource.

f. Annual Environmental Monitoring Reports

Licensee shall submit an annual environmental monitoring data summary by January 1st of each year for the preceding water year (October 1 - September 30). The Annual Monitoring Report shall include all raw data, essential graphs, tables, and text. Monitoring progress at each site shall be summarized in the Annual Monitoring Report, as specified below. Licensee shall submit three copies of the Annual Monitoring Report each year. Interpretive reports of wellfield environmental conditions shall incorporate all environmental monitoring sites used. The Annual Monitoring Report shall assess relationships between water level fluctuations, well pumpage, atmospheric conditions, and drainage factors related to the environmental condition of the wetlands and surface waters in the vicinity of the conditions of certification area. Pumpage data, wetland, water level data collected from the aquifer and for the region, and environmental parameters collected at the wellfield and in the region shall be used for the report results. Statistical trend analysis, such as double-mass curve analysis, multiple linear regression, time series analysis and/or factor analysis shall be performed to analyze the interactions of rainfall and pumpage on surficial water levels, potentiometric levels in the semi-confined aquifers, surface waters, and wetland water levels, rate of soil subsidence, and evidence of vegetational succession. Data shall be obtained through field measurements and aerial photo interpretation. A brief summary of any recommended changes to the monitoring requirements shall be provided.

4. Alternative Water Supply Implementation

The Licensee shall investigate the development of one or more alternative water supply projects to supply the water supply demands to offset all or a portion of the groundwater allocated by these conditions of certification. Alternative water supplies include seawater desalination, brackish surface or ground water, water that has been reclaimed after one or more uses, stormwater, and any other water supply source designated as non-traditional for a water supply planning region in the applicable regional water supply plan. Unless the Environmental Monitoring specified in Condition 2. above and the aquifer performance testing indicate that adverse environmental impacts are not occurring and are not predicted to occur, the Licensee shall either mitigate impacts in accordance with a plan accepted by the SWFWMD, or, select and implement an alternative water supply project, in accordance with the following schedule:

a.. Within 6 months of groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, the Licensee shall submit for SWFWMD approval, an Alternative Water Supply Plan. The Alternative Water Supply Plan shall evaluate, identify, and propose alternative water supply development of at least three million two hundred thousand (3,200,000) gallons per day (gpd).

b. Within 2 years of groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, Licensee shall submit to SWFWMD, a preliminary design of the approved alternative water supply project that the Licensee will implement.

c. Within 2 years of groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, the Licensee shall provide an analysis of environmental conditions as specified in Condition C. above. If SWFWMD determines that adverse environmental impacts are not occurring and not predicted to occur, the Licensee may seek an extension of time or waiver for implementing the alternative water supply project. If SWFWMD determines that adverse environmental impacts are occurring or are predicted to occur, the alternative water supply project schedule must be maintained. If adverse environmental impacts are occurring or predicted to occur, the alternative water supply quantity required to be developed will be determined based upon a revised hydrogeologic evaluation performed by the Licensee and accepted by SWFWMD.

d. Within 2 years of groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, submit to the Florida Department of Environmental Protection and SWFWMD, applications for authorization to develop and use at least 3,200,000 gpd of water from the project as appropriate, unless an extension of time or waiver has been granted by SWFWMD.

e. Within 2 years of groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, submit to SWFWMD an alternative water supply implementation schedule detailing the dates when construction will begin and end, and the date when water will be delivered from the project for use by the Licensee. In no event shall the time when water is supplied by the project be more than more than 4 years after groundwater use has risen to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, unless an extension of time for just cause or otherwise modified in writing by SWFWMD has been granted by SWFWMD.

f. Compliance with the Alternative Water Supply Implementation Schedule is required by the Licensee, unless extended or otherwise modified in writing by SWFWMD. Each year, by March 1, after the water use triggers described above, the Licensee shall submit to SWFWMD a status report describing the progress made on the Alternative Water Supply Implementation Schedule, including the specific actions taken to meet the requirements set forth above. If the project has fallen behind schedule, Licensee shall provide just cause for the delay and/or explain how the Licensee will comply with the schedule described herein.

5. Compliance Reporting

The Licensee shall submit a compliance report beginning January 28, 2013 and at 5 year intervals after the issuance date of these conditions of certification. The report must contain sufficient information to demonstrate reasonable assurance that the withdrawals and use of water authorized by these conditions of certification continue to meet the substantive requirements set forth in Chapter 40D-2, F.A.C., and SWFWMD's Water Use Permit Information Manual Part B, Basis of Review. The compliance report must include:

a. Information documenting water demands and updated demand projections demonstrating that allocations from all sources in the conditions of certification will continue to be needed for the remainder of the conditions of certification duration;

b. Documentation verifying that the sources are capable of supplying the needs authorized by these conditions of certification without causing harm to water and water-related resources;

c. Documentation verifying that the use of water is efficient and that the Licensee is implementing all feasible water conservation measures;

e. An updated ground water modeling analysis and data analysis demonstrating that the use of groundwater does not interfere with legal uses existing at the time of issuance of this modification of the conditions of certification;

f. An updated ground water modeling analysis, along with statistical analyses of water-level and wetland monitoring data, demonstrating that the use does not cause adverse impacts to wetlands, and surface waters, or violations of MFLs;

g. Documentation that ground water withdrawals by the Licensee are not causing or contributing to significant saltwater intrusion, including but not limited to review and statistical analyses of groundwater level and water quality data collected by the Licensee under these conditions of certification;

h. Information demonstrating that the lowest quality source of water is being used to meet the water demands.

Following review of this report, SWFWMD may seek modification of the conditions of certification to ensure that the use continues to meet the substantive conditions for the consumptive use of water as set forth in Section 373.223, F.S., and

Chapter 40D-2, F.A.C.

6. Pumpage Reporting

Licensee shall meter withdrawals and record meter readings from each withdrawal point and water supply line on a monthly basis within the last week of the month. The meter readings shall be reported to the SWFWMD on or before the tenth day of the following month. If a metered withdrawal is not utilized during a given month, the meter report shall be submitted to the SWFWMD indicating the same meter reading as was submitted the previous month. The following withdrawals shall be metered:

Withdrawal facilities that are not yet constructed shall install meters on SWFWMD ID Nos. **5, 6, 7, 14, 15, 16,** Licensee ID Nos. **PW-5, PW-6, PW-7, PW-8, PW-9a, PW-10a,** within 90 days of completion of construction of the withdrawal facilities.

Licensee shall continue to maintain and operate existing, non-resettable, totalizing flow meters or other flow measuring devices as approved by the Brooksville Regulation Department Director on SWFWMD ID Nos. **1, 2, 3, 4,** Licensee ID Nos. **PW-1, PW-2, PW-3, PW-4.**

All meters shall adhere to the following descriptions and shall be installed and maintained as follows:

a. The meters shall be non-resettable, totalizing flow meters with totalizers of sufficient capacity to retain total gallon data for a minimum of the three highest consecutive months. If other measuring devices or other accounting methods are proposed, Licensee shall submit documentation that the other measuring devices or accounting method meet the stipulations listed in this condition, prior to installation. Approval for other measuring devices or accounting methods shall be obtained in writing from the Brooksville Regulation Department Director.

b. Flow meters or other approved devices shall have and maintain accuracy within five percent of the actual flow as installed.

c. The flow meter-water piping system shall be designed for inline field access for meter accuracy testing. The meter shall be tested for accuracy on-site, as installed, every five years beginning from the date of its installation for new meters or from the date of initial issuance of these conditions of certification containing the metering condition with an accuracy-test requirement for existing meters, unless Licensee submits documentation to the satisfaction of the SWFWMD that a longer period of time for testing is warranted. The test shall be performed by a person certified to use the test equipment. If the actual flow is found to be greater than five percent different from the measured flow, within 30 days, Licensee shall have the meter re-calibrated, repaired, or replaced. Documentation of the test and a certificate of re-calibration, if applicable, shall be submitted within 30 days of each test or recalibration. If the accounting method involves a meter belonging to another entity or to the water supplier, Licensee shall submit documentation from the owner/ supplier that the meter readings continue to be accurate to five percent of the actual flow as installed. Such documentation is subject to approval by the SFWMD.

d. The meter shall be installed according to the manufacturer's instructions for achieving accurate flow to the specifications above, or it shall be installed in a straight length of pipe with at least an upstream length equal to ten times the outside pipe diameter and a downstream length equal to two times the outside pipe diameter. If sufficient pipe length is not available, flow straightening vanes shall be used in the upstream line.

e. If the meter or other flow measuring device malfunctions or has to be removed from the water supply line for maintenance or repair, Licensee shall notify the SWFWMD within 30 days of discovery and replace it with a repaired or new meter, subject to the same specifications given above. The repaired or replacement meter shall be installed within 30 days of discovery. If the meter is removed for any other reason, it shall be replaced with another meter having the same specifications given above, or the meter shall be reinstalled within 30 days of its removal. In either event, a fully functioning meter shall not be off the water supplies line for more than 60 consecutive days.

f. While the meter is being repaired or replaced, Licensee shall provide an estimate of the water supply quantities used by multiplying the number of hours the water supply was used by the capacity of the pump or mainline diameter. The estimate of the number of gallons used each month during that period shall be noted as an estimate when it is submitted to theSWFWMD.

g. In the event a new meter is installed to replace a broken meter, the replacement meter and its installation shall meet the specifications of this condition. Licensee shall notify the SWFWMD of the replacement with the first submittal of meter readings from the new meter.

7. Distribution Flexibility

The average day, peak monthly, and maximum daily, if applicable, quantities for District ID No(s) **1, 2, 3, 4, 5, 6,7, 14, 15, 16** Licensee ID No(s). **PW-1, PW-2, PW-3, PW-4, PW-5, PW-6, PW-7, PW-8, PW-9a, PW-10a** shown above in the production withdrawal table are estimates based on historic and projected distribution of pumpage, and are for water use inventory and impact analysis purposes. The quantities listed in the table for these individual sources are not intended to dictate the distribution of pumpage from the withdrawal sources. The Licensee may make adjustments in pumpage distribution as necessary up to **125 percent** on an average basis, up to **125 percent** on a peak monthly basis, so long as adverse environmental impacts do not result and other conditions of this certification are complied with. In all cases, the total average annual daily withdrawal and the total peak monthly daily withdrawal are limited to the quantities set forth above.

8. Water quality sampling

a. Water quality samples shall be collected and analyzed for parameters and at the frequencies specified below. Water quality samples from production wells shall be collected from all wells, unless infeasible. If sampling is infeasible, Licensee shall indicate the reason for not sampling on the water quality data form. Water quality samples shall be analyzed by a laboratory certified by the Florida Department of Health utilizing the standards and methods applicable to the parameters analyzed and to the water use pursuant to Chapter 64E-1, Florida Administrative Code, "Certification of Environmental Testing Laboratories". At a minimum, water quality samples shall be collected after pumping the well at its normal rate for a pumping time specified in the table below, or to a constant temperature, pH, and conductivity. In addition, Licensee's sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis. Any variance in sampling and/or analytical methods shall have prior approval of the Brooksville Regulation Department Director. Reports of the analyses shall be submitted to the Permit Data Section, Regulation Performance Management Department, (using SWFWMD forms) on or before the tenth day of the following month, and shall include the signature of an authorized representative and certification number of the certified laboratory which undertook the analysis. The parameters and frequencies of sampling and analyses may be modified by the Brooksville Regulation Department Director, as necessary to ensure the protection of the resource.

Ditrict ID No.	**Licensee ID No.**	**Minimum Pumping Time (minutes**	**Parameter**	**Sampling Frequency**
1	PW-1	20 minutes	Chlorides, Sulfates, and T.D.S.	February, May, August, and November
2	PW-2	20 minutes		
3	PW-3	20 minutes		
4	PW-4	20 minutes		
5	PW-5	20 minutes		
6	PW-6	20 minutes		
7	PW-7	20 minutes		
14	PW-8	20 minutes		
15	PW-9a	20 minutes		
16	PW-10a	20 minutes		

Water quality samples shall be collected quarterly and on the same week of the months specified. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association- American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental

Protection Agency (EPA).

b. Water quality samples from monitor wells shall be collected and analyzed for the District ID No., parameter(s), and frequency(ies) specified in the table below. Water quality samples shall be collected after pumping the monitor wells(s) to a constant temperature, pH, and conductivity. Sampling method(s) shall be designed to collect water quality samples that are chemically representative of the zone to be sampled. Water quality samples shall be analyzed by a laboratory certified by the Florida Department of Health utilizing the standards and methods applicable to the parameters analyzed and to the water use pursuant to Chapter 64E-1, Florida Administrative Code, "Certification of Environmental Testing Laboratories". The Permittee's sampling procedure(s) shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis. A report describing the sampling and chain of custody procedures shall be included with the first data submitted after the date this permit is granted, and upon any change in sampling and/or analytical method(s). Any variance in sampling and/or analytical methods shall have prior approval of the SWFWMD. Reports of the analyses shall be submitted on SWFWMD forms on or before the tenth day of the following month, and shall include the signature of an authorized representative and certification number of the certified laboratory that undertook the analysis. The parameters and frequency of sampling and analysis may be modified by the SWFWMD as necessary to ensure the protection of the resource.

District I District ID No.	Licensee ID No.	Parameter	Sample Frequency
8	MZ-2I	Chlorides,	May, September
9	MZ-2D	Sulfates, and TDS	
10	MZ-2S		
11	MZ-1S		
12	MZ-1I		
13	MZ-1D		

Water quality samples shall be collected based on the following timetable:

Semi-annually Same week of months specified

Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association-American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency (EPA).

c. The SWFWMD reserves the right to set chloride, sulfate or TDS concentration limits on any production well in the future, based on data collected and after a sufficient data base has been established to determine limits. These limits shall be required after discussions with the Licensee. At such time as the concentration in any water sample reaches or exceeds the designated concentration limits, the Licensee shall take appropriate action to reduce concentrations to below those set for the particular well. If the SWFWMD determines that long-term upward trends or other significant water quality changes are occurring, the SWFWMD may reconsider the quantities included in these conditions of certification.

d. During drilling of District ID Nos. **14, 15, 16**, Licensee ID Nos. **PW-8, PW-9a, PW-10a**, water quality samples shall be collected at intervals of the change of drill rod or 30 feet, which ever is less, from 150 feet to a maximum depth of five feet above the bottom of the well. Regardless of the specified sample collection interval, a sample shall be collected from the depth which corresponds to five feet above the bottom of the well. Samples shall be collected during reverse air drilling, or other appropriate method with prior approval by the SWFWMD.

Samples shall be analyzed by a certified laboratory for Chloride, Sulfate, and Specific Conductivity. Licensee's sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis. Reports of the analyses shall be submitted to the Permit Data Section, Regulation Performance Management Department (using SWFWMD forms) within thirty days of sampling, and shall include the signature of an authorized representative and the certification number of the Florida Department of Health certified laboratory utilizing the standards and methods applicable to the parameters analyzed and to the water use pursuant to Chapter 64E-1, Florida Administrative Code, "Certification of Environmental Testing Laboratories".

Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association-American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or by Methods for Chemical Analvses of Water and Wastes by the U.S. Environmental Protection Agency (EPA).

e. Monthly water levels for monitor wells for the sites included in the table below shall be referenced to NGVD, and reported in a form acceptable to the SWFWMD by the tenth day of each month for the preceding month. The time and date that the elevation is taken shall be included. Changes to the methodology, extent, or frequency of monitoring at any of these sites may be modified by the SWFWMD, as necessary to ensure the protection of the resources.

District ID. No	Licensee Site No.
8	MZ-2I
9	MZ-2D
10	MZ-2S
11	MZ-1S
12	MZ-1I
13	MZ-1D

9. *Wells*

a. Wells not in use with no installed pumping equipment shall be capped or valved in a water tight manner in accordance with Rule 62-532.500(3)(a)(4), F.A.C.

b. Within 90 days of the completion of each proposed well, Licensee shall submit to the SWFWMD specific capacity (well testing) information from any test performed by the Water Well Contractor or pump installer on the well. This information shall include:

i. Static water level before pumping

ii. Duration of test pumping

iii. Gallons per minute pumped

iv. Final water level measured during pumping

If step-drawdown tests were performed, the information listed above shall be submitted for each step.

c. Within 90 days of construction, Licensee shall submit to the Permit Data Section, Regulation Performance Management Department, the specific locations of District ID Nos. 14, 15, 16 Licensee ID Nos. PW-8, PW-9a, PW-10a, on an original blue line aerial with a minimum scale of one inch equals 800 feet, or by latitude/longitude. Intake and mainline diameters for each of the above pumps shall be reported at the time of location reporting.

d. For the purpose of determining site-specific transmissivity, a step drawdown and a multi well constant rate test shall be performed on one or more of the following: District ID Nos. 14, 15, 16 Licensee ID Nos. PW-8, PW-9a, PW-10a, after the wells have been fully developed. The test shall be performed in accordance with the specifications set forth in Design Aid 3, Water Use Permit Information Manual and an Aquifer Performance Testing (APT) Plan submitted to and approved by the SWFWMD. The APT Plan shall be submitted to the SWFWMD, within 90 days of the approval of the modification of the conditions of certification. The APT shall be conducted by the Licensee within 6 months of construction of the wells included in the APT Plan and prior to the use of any of the wells constructed for the APT'S. All recorded raw data shall be submitted to the SWFWMD within thirty (30) days of completion of the APT.

e. Within sixty (60) days, the Licensee shall designate one individual responsible for receiving and responding to the SWFWMD notices and correspondence related to these conditions of certification. Notification to the SWFWMD of the designee, including address and telephone number shall be in written form.

f. Within 90 days of conditions of certification issuance, Licensee shall develop and implement a Water Conservation Plan (Plan) that includes practices currently employed or planned. For planned components, include an estimated time-frame for implementation for each. The Plan must indicate that technically and economically feasible water conservation opportunities have been or will be employed.

g. The lowest quality water source, including reclaimed water, surface water and stormwater, must be used for each consumptive use authorized by these conditions of certification when available, except when Licensee demonstrates that the use of the lower quality water source is determined to be not economically, environmentally, or technologically feasible, in accordance with the SWFWMD's Water Use Permit Information Manual Part B, Basis of Review, Sections 4.4 and 4.1 1.

h. Wetlands and other surface waters may not be adversely impacted as a result of the water use authorized by these conditions of certification. If unacceptable adverse impacts occur, the SWFWMD will request that DEP revoke these conditions of certification in whole or in part to curtail or abate the unacceptable adverse impacts, unless the impacts can be mitigated by Licensee.

10. Standard Conditions

Licensee shall comply with the following Standard Conditions:

a. If any of the statements in the application and in the supporting data are found to be untrue and inaccurate, or if Licensee fails to comply with all of the provisions of Chapter 373, F.S., Chapter 40D, or the conditions set forth herein, the SWFWMD shall seek revocation of any conditions of certification.

b. These conditions of certification are imposed based on information provided by Licensee demonstrating that the use of water is reasonable and beneficial, consistent with the public interest, and will not interfere with any existing legal use of water. If, during the term of this certification, it is determined by the SWFWMD that the use is not reasonable and beneficial, in the public interest, or does impact an existing legal use of water, the SWFWMD shall seek modification these conditions of certification or revocation of the certification authorized by DEP.

c. Licensee shall not deviate from any of the SWFWMD-imposed conditions of this certification without written approval by the Department and the SWFWMD.

d. In the event the SWFWMD declares that a Water Shortage exists pursuant to Chapter 40D-21, Licensee agrees that portions of these conditions of certification shall be modified, or declared inactive as necessary to address the water shortage.

e. The SWFWMD shall collect water samples from any withdrawal point listed in these conditions of certification or shall require Licensee to submit water samples when the SWFWMD determines there is a potential for adverse impacts to water quality.

f. Licensee shall provide access to an authorized SWFWMD representative to enter the property at any reasonable time to inspect the facility and make environmental or hydrologic assessments. Licensee shall either accompany the SWFWMD staff onto the property or make provision for access onto the property.

g. Licensee shall cease or reduce any surface water withdrawals as directed by the SWFWMD if water levels in surface water fall below applicable minimum water level established in Chapter 40D-8 or rates of flow in streams fall below the minimum levels established in Chapter 40D-8.

h. Licensee shall cease or reduce withdrawals if water levels in aquifers fall below the minimum levels established by the SWFWMD.

i. Licensee shall practice water conservation to increase the efficiency of transport, application, and use, as well as to decrease waste and to minimize runoff from the property. At such time as the SWFWMD adopts specific conservation requirements for Licensee's water use classification, these conditions of certification shall be modified accordingly.

j. The SWFWMD may establish special regulations for Water Use Caution Areas. At such time as the Governing Board adopts such provisions, these conditions of certification shall be subject to them upon notice and after a reasonable period for compliance.

k. Licensee shall mitigate any adverse impact to existing legal uses caused by withdrawals. When adverse impacts occur or are imminent, Licensee shall be required to mitigate the impacts. Adverse impacts include:

i. A reduction in water levels which impairs the ability of the well to produce water;

ii. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or

iii. Significant inducement of natural or manmade contaminants into a water supply or into a usable portion of any aquifer water body.

l. Licensee shall mitigate any adverse impact to environmental features or offsite land uses as a result of withdrawals. When adverse impacts occur or are imminent, the Licensee shall be required to mitigate the impacts. Adverse impacts include:

i. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses;

ii. Sinkholes or subsidence caused by reduction in water levels;

iii. Damage to crops and other vegetation causing financial harm to the owner; and

iv. Damage to the habitat of endangered or threatened species.

m. When necessary to analyze impacts to the water resource or existing users, Licensee shall be required to install flow metering or other measuring devices to record withdrawal quantities and submit the data to the SWFWMD.

n. A SWFWMD identification tag shall be prominently displayed at each withdrawal point by permanently affixing the tag to the withdrawal facility.

0. Licensee shall notify the SWFWMD within 30 days of the sale or conveyance of permitted water withdrawal facilities or the land on which the facilities are located.

p. The annual average daily withdrawal quantity is determined by calculating the total quantity of water to be withdrawn over a one year period, divided by 365 days, which results in a gallons per day (gpd) quantity pursuant to Basis of Review, Section 3.2, Permitted Withdrawal Quantities. This is a running 12-month average, whereby each month the annual average daily quantity is recalculated based on the previous 12-month pumpage.

G. Solid Wastes

No later than December 31, 2008 or 180 days prior to the initial operation of Unit 4 and 5 FGD scrubbers (whichever occurs first), the licensee shall submit a site-wide Coal Combustion By-Product (CCP)/Solid Waste Materials Management Plan that addresses operations of the fossil generating units to the Department's SWD Office and Siting Office for review and approval. The plan shall, at a minimum, include the following information:

1. descriptions and procedures for all applicable processes for on-site storage practices and management of CCPs, solid wastes and industrial by-products at the site.

2. plans or methods to minimize waste streams, and maximize beneficial use opportunities of CCPs;

3. methods for preventing or minimizing the release of contaminants to the environment, including (as applicable) leachate collection and control methods that meet the requirements of Chapter 62-701. F.A.C.;

4. certification for the above information, as appropriate, by a Professional Engineer registered in the state of Florida.

The Department shall indicate its approval or disapproval of the submitted plans, drawings, maps, analyses and contingency plans within 90 days of the originally submitted information. In the event that the Department requires additional information for the licensee to complete, and the Department to approve the CCP/Solid Waste

Materials Management Plan, the Department shall make a written request to the licensee for additional information no later than 30 days after receipt of the originally submitted information.

H. Ash Landfill and Coal Piles

1. Ash Landfill

a) PEF shall designate a portion of the site as a temporary ash landfill. Associated with the temporary landfill shall be certain sites for the testing and monitoring of leachates and ash pile liners.

b) Adequate geophysical testing shall be conducted to determine if solution cavities are present under the landfill area. If such cavities are located, such cavities shall be sealed off and stabilized.

c) The proposed ash landfill area shall be monitored and studied pursuant to a detailed leachate testing and monitoring program to be submitted by PEF to the Department within 30 days of certification for review and approval, rejection, or modification within 60 days thereafter. The detailed leachate testing and monitoring program shall be consistent with the conceptual leachate monitoring program attached and incorporated herein as Attachment 2.

d) After approval of the program by the Department, PEF shall conduct the approved testing and monitoring program under the supervision of the Department. Results of the program shall be submitted to the Department for its review and consideration on a monthly basis.

e) The results of the program will be used by the Department in determining whether PEF has affirmatively demonstrated that Florida Water Quality Standards (62-520 and 62-550, F.A.C.) will not be violated in determining the zone of discharge and in determining the need for a liner.

f) If the Department determines that PEF has failed to affirmatively demonstrate that Florida Water Quality Standards (62-520 and 62-550 , F.A.C.) will not be violated, PEF shall present to the Department, within 90 days of such determination, a plan of correction (which may include, if appropriate, a semi-permeable liner) for review and approval by the Department and for timely implementation by PEF, or PEF shall place an impermeable liner under the final ash landfill site and shall remove all ash from the temporary landfill site and place it on the lined landfill location.

g) The final cover shall be in compliance with Chapter 62-701, F.A.C., and at least 12" of clay or sufficient suitable liner material shall be placed on the top and exposed sides of each finished landfill cell. Sufficient topsoil to support vegetation shall be placed over the top and side clay liner. The top and exposed sides of the ash landfill shall be vegetated to control erosion.

2. Ash Relocation Due to Installation of New Access Road to Support the Units 4 & 5 Clean Air Project

a) Prior to commencement of modifications/additions to the existing access road located along the south and west perimeters of the ash storage area the Licensee shall submit the following items to the DEP SWD Office and Siting Office :

i. a figure, aerial photograph or plan sheet identifying the area where the ash to be removed will be re-located;

ii. plan sheets of existing (pre-construction) conditions and final contours of the ash landfill affected by the access road installation; and

iii. a figure, aerial photograph or plan sheet showing the location and details of any collapsed surface cavities/sinkholes found on the site relative to the ash landfill and proposed access road project.

b) The working face slopes of the relocated ash shall be no steeper than 4H:1V, unless prior approval from the Department's SWD Solid Waste Section and the Siting Office for an alternative slope is obtained.

c) The filtered stormwater drainage downslope of the working face shall not discharge outside the contact stormwater or Industrial Wastewater system.

d) Within 90 days following completion of the access road and restoration of the final cover on the ash landfill in the affected portions, the Licensee shall submit to the Department's SWD Office and Siting Office the following information:

i. a final survey of the affected portions of the closed ash landfill that demonstrates that the slopes are no steeper than 4H:1V;

ii. documentation that the clay cover, if used, is no less than 12 inches thick;

iii. hydraulic conductivity testing results on the constructed clay layer, if used, (5 tests for the first acre, then 1 test/acre/lift for every other acre). Testing should be carried out in accordance with ASTM Method D5084 or equivalent; and

iv. certification for the above information by a Professional Engineer registered in the state of Florida.

v. A geosynthetic clay liner (GCL) or other alternative liner system may be used; however, prior to the installation of any alternative liner system, the Licensee shall submit a complete proposed plan to the Department's SWD Solid Waste Section and Siting Office for review and approval.

The plan shall, at a minimum, include specifications for the Construction Quality Assurance Plan and drawings showing the location of the liner cover, soil cover for the liner, and any other relevant information that may be applicable for the type of alternative liner system being proposed.

The Department shall indicate its approval or disapproval of the submitted plan within 90 days of the originally submitted information. In the event that the Department requires additional information for the licensee to complete, and the Department to approve the GCL or alternative liner system, the

Department shall make a written request to the licensee for additional information no later than 30 days after receipt of the originally submitted information.

3. Coal Pile

a) Prior to initial operation of the Unit 4 and 5 FGD scrubber systems, the licensee shall install an impervious liner system beneath the Unit 4 and 5 coal pile storage area and associated stormwater runoff/leachate collection, storage, and treatment ponds.

b) The liner system shall be designed and of sufficient impervious material to provide for a hydraulic conductivity equal to, or less than 10-7 cm/sec.

c) Prior to initial construction of each liner installation, the licensee shall submit a complete proposed plan of the liner system to the Department's SWD Solid Waste Section and the Siting Office for review and approval. Each liner installation plan shall, at a minimum, include the following information:

i. design drawings, calculations, and specifications of the proposed liner system;

ii. The Construction Quality Assurance Plan (CQA);

iii. slope stability calculations that demonstrate that the proposed slope will be stable with a 1.5 factor of safety;

iv. anchoring details for the liner systems;

v. permeability (hydraulic conductivity) and specifications for the "crusher run" material (or for alternate material if used);

vi. procedures for ensuring that the clay liners will not be damaged from future coal removal operations;

vii. the thickness (and unit weight) of material that will be placed above the GCL on the slopes and specification of the slope of the GCL sub-grade;

viii. piping details that show how the coal pile runoff water will be discharged from the coal pile runoff ponds to the coal pile runoff settling ponds;

ix. any other relevant information that may be applicable for the type of alternative liner system being proposed; and

x. certification for the above information by a Professional Engineer registered in the state of Florida.

The Department shall indicate its approval or disapproval of a submitted liner system plan within 90 days of the originally submitted information. In the event that the Department requires additional information for the licensee to complete, and the Department to approve the liner system, the Department shall make a written request to the licensee for additional information no later than 30 days after receipt of the originally submitted information.

d) Handling and monitoring of the coal pile and associated wastes shall be in accordance with the site-wide Coal Combustion By-Product (CCP)/Solid Waste Materials Management Plan for the fossil units required by Special Condition V. Solid Wastes.

VII. UNIT 3 SPECIFIC CONDITIONS

The following Specific Conditions shall apply only to Unit 3. Compliance with these Specific Conditions shall be the responsibility of the Progress Energy (Nuclear).

A. Air

The construction and operation of the Unit No. 3 nuclear plant site shall be in accordance with all applicable provisions of Chapters 62-210 through 62-297, and 62-702, Florida Administrative Code.

Title V Air Operation Permit 0170004-015-AV, and PSD-FL-392 (017004-018-AC) including subsequent modifications are incorporated by reference herein as part of this Certification and attached as Appendix A and Appendix E.

The provisions of the above shall be conditions of this certification. The licensee shall comply with the substantive provisions and limitations set forth in Title V Air Operation Permit Number 0170004-015-AV and Air Construction Permit PSD-FL-392 as part of these Conditions of Certification, and as those provisions may be modified, amended, or renewed in the future by the Department. Such provisions shall be fully enforceable as conditions of this certification. Any violation of such provisions shall be a violation of these Conditions of Certification.

B. Water Discharges

Any discharges into any waters of the State during construction and operation of Unit 3 shall be in accordance with all applicable provisions of Chapter 17-3, Florida Administrative Code and 40 CFR 423, *Effluent Guidelines and Standards for Steam Electric Power Generating Point Source Category* and with NPDES permit no. FL0000159 (attached as Appendix G) as well as any subsequent modifications, amendments and/or renewals. A copy of all subsequent renewal and modification applications shall also be sent to the St. Martins Marsh & Big Bend Seagrass Aquatic Preserve of the Office of Coastal and Aquatic Managed Areas, and to the Florida Fish and Wildlife Conservation Commission, Office of Policy and Stakeholder Coordination.

C. Groundwater – SWFWMD

No groundwater use by Unit 3 is authorized by these Conditions of Certification. Potable water demand for Unit 3 shall continue to be met by water use authorized under Water Use Permit (WUP) No. 2004695.004 issued by the Southwest Florida Water Management District. (Attached as Appendix H) WUP No. 2004695.004 authorizes 1,000,000 gallons per day (annual average) and 1,500,000 gpd (peak month) for boiler makeup, pollution control, and potable water needs at Units 1, 2 and 3. PEF shall abide by the conditions of WUP No. 2004695.004 and any modification or renewal thereof for the continued authorized use of groundwater in the operation of Unit 3. Such provisions shall be fully enforceable as conditions of this certification. Any violation of such provisions, where it is determined that Unit 3 is the cause, shall be a violation of these Conditions of Certification.

D. Groundwater – FDEP

No groundwater discharge by Unit 3 is authorized by these Conditions of Certification. IWW Permit FLA016960 (attached as Appendix I) issued by the FDEP authorizes the discharge of industrial waste water from Unit 3 to a common percolation pond system. PEF shall abide by the conditions of IWW FLA 016960 and any modification or renewal thereof for the continued authorized discharge of industrial waste water to ground water by the operation of Unit 3. Such provisions shall be fully enforceable as conditions of this certification. Any violation of such provisions, where it is determined that Unit 3 is the cause, shall be a violation of these Conditions of Certification.

E. Environmental Resource Review

1. At least 90 days prior to construction of the South Cooling Tower, the licensee shall provide to the DEP SWD office all information necessary for a complete Environmental Resource Permit application including the engineering drawings and supporting documentation necessary to demonstrate that the stormwater runoff from the proposed project will be treated and attenuated in accordance with Rules 40D-4, 40D-40 and 40D-400, F.A.C, and a Wetland Mitigation Plan if applicable. The drawings and documentation shall be signed, sealed and dated by a professional engineer registered in the State of Florida.

2. Within 60 days following certification, and prior to construction of any construction laydown and parking areas associated with Unit 3, the licensee shall provide to the DEP SWD office all information necessary for a complete Environmental Resource Permit application including the engineering drawings and supporting documentation necessary to demonstrate that the stormwater runoff from the proposed project will be treated and attenuated in accordance with Rules 40D-4, 40D-41 and 40D-42, F.A.C, and a Wetland Mitigation Plan if applicable. The drawings and documentation shall be signed, sealed and dated by a professional engineer registered in the State of Florida.

3. Prior to the commencement of construction, the Department shall conduct a timely review of the submitted information and request the correction of any errors and omissions to complete the application information. This shall be done in accordance with timeframes established in Chapter 120.60, F.S. and Rule 62-4.055, F.A.C.

4. The Department shall notify the licensee in writing that the information is complete upon review of all requested information and the correction of any errors or omissions. Construction shall not begin until the Department has provided written notification of approval of the project including the Wetland Mitigation Plan as applicable. Such approval or denial shall be provided within 30 days following completeness of the application information.

5. Turbidity and sediments must be controlled to prevent violations of

water quality pursuant to Rule 62-302.500, 62-302 .530(70) and 62-4.242 Florida Administrative Code (FAC). Best Management Practices, as specified in the Florida Stormwater, Erosion and Sedimentation Control Inspectors Manual, shall be installed and maintained at all locations where the possibility of transferring suspended solids into wetlands and/or surface waters due to the permitted activity. If site-specific conditions require additional measures, then the applicant shall implement them as necessary to prevent adverse impacts to wetlands and/or surface waters.

6. The existing ambient water quality within Outstanding Florida Waters shall not be lowered as a result of the proposed activity, except as authorized by the FDEP under 62-4.242(2) FAC.

7. Prior to start of construction, PEF shall prepare a Storm Water Pollution Prevention Plan and submit a copy of the National Pollutant Discharge Elimination System (NPDES) Notice of Intent (NOI) to use a Construction Generic Permit (CGP) for stormwater discharges (as applicable) to DEP.

F. Domestic Wastewater Treatment

Domestic wastewater from Unit 3 shall be treated by the Crystal River Units 1, 2, and 3 Sewage Treatment Plant as authorized by Domestic Wastewater Facility Permit FLA118753 issued by the DEP SW District (attached as Appendix J). PEF shall abide by the conditions of permit No. FLA118753 and any modification or renewal thereof for the continued authorized treatment of domestic wastewater from Unit 3. Such provisions shall be fully enforceable as conditions of this certification. Any violation of such provisions, where it is determined that Unit 3 is the cause, shall be a violation of these Conditions of Certification.

G. Radiological

1. Decommissioning

Upon application to the NRC for authority to decommission the plant, the applicant shall provide the Department a copy of the plan submitted to NRC for radioactive materials removal and/or containment for the site. Should the Department's review of the written plan reveal deficiencies, the Department shall bring such deficiencies to the attention of the applicant and the NRC and maintains the right to initiate a request, consistent with NRC procedural requirements that remedial action be taken to correct the deficiencies.

2. Emergency Plan

The applicant shall work with the State Division of Emergency Management in the Department of Community Affairs and the State Department of Health, Bureau of Radiation Control, and Citrus and Levy Counties in bi-annually updating the emergency procedures and evacuation planning as necessary, including but not limited to improvements in communication and warning systems and in updating predicted plume overlays.

3. Radiological Release Limitations

The recommendation in the Power Plant Site Certification Analysis that certification be issued is based in part upon the fact that in order to obtain a construction permit and operating license from NRC, the applicant must comply with all applicable regulations, requirements, and standards of the U.S. Nuclear Regulatory Commission (NRC) which limit the release of radioactive materials in solid waste, liquid or gaseous effluents to the environment. The above NRC regulations, requirements and standards include the following:

a) Standards for Protection Against Radiation, U.S. Nuclear Regulatory Commission Rules and Regulations, Title 10, Chapter 1, Part 20, Code of Federal Regulations, as presently in effect or hereafter amended.

b) Limitations and conditions for the controlled release of radioactive materials in solid, liquid and gaseous effluents contained in the Radiological Environmental Monitoring Program required by Title 10, 10 CFR 50, Appendix I as presently in effect or hereafter amended..

The Department has the statutory duty to insure that the location and operation of Crystal River Unit 3 will produce minimal adverse effects on human health, the environment, the ecology and the land and its wildlife, and the ecology of State waters and their aquatic life. (Fla. Stat. Section 403.502.) The Department has determined that the construction and operation of Crystal River Unit 3 must comply with the above radiological release limitations in order to minimize adverse effects on human health and the environment. This certification is conditioned upon full compliance by the applicant with the applicable above regulations, requirements and standards.

The NRC has the duty and responsibility imposed by statute, to enforce compliance by the applicant with NRC standards and technical specifications, to assure that the construction and operation of Crystal River Unit 3 will be in accord with the common defense and security and will provide adequate protection to the health and safety of the public. See Section 103(d) of the Atomic Energy Act, 42 U.S.C. section 2133(d) (1970); accord. 42 U.S.C. section 2332(a) (1970) including any subsequent revisions.

However, should the Department determine that the NRC has failed to discharge its duty and responsibility, it may bring any such deficiencies to the attention of the applicant and the NRC, and maintains the right to initiate a request, consistent with NRC procedural requirements, that appropriate enforcement action be taken to correct the deficiencies.

4. Monitoring

The applicant shall comply with the most recent Department of Health Environmental Surveillance Agreement or its equivalent or future replacement. Should the Department of Health determine that additional monitoring is required, it may take appropriate action to require such monitoring by modification of this condition of certification.

5. Reservation of Legal Rights

The Department recognizes that the NRC has exclusive authority in certain areas related to the construction and operation of Crystal River Unit 3. These conditions of certification do no limit, expand or supersede any federal requirement or restriction under federal law, regulation, or regulatory approval or license. Compliance with the conditions herein does not constitute a waiver of the applicant's responsibility to comply with all applicable NRC requirements. Applicant's acceptance of these radiological conditions of certification does not, in and of itself, constitute a waiver by Applicant of any claim that any such radiological conditions are invalid under the doctrine of federal preemption or otherwise by law.

VIII. FLORIDA DEPARTMENT OF TRANSPORTATION

A. Access Management to the State Highway System

Any access to the State Highway System will be subject to the requirements of Rule Chapter 14-96, State Highway System Connection Permits, and 14-97 Access Management Classification System and Standards, F.A.C.

B. Overweight or Overdimensional Loads

Operation of overweight or overdimensional loads by the applicant on State transportation facilities during construction and operation of the utility facility will be subject to safety and permitting requirements of Chapter 316, F.S., and Rule Chapter 14-26, Safety Regulations and Permit Fees for Overweight and Overdimensional Vehicles, F.A.C..

C. Use of State of Florida Right of Way or Transportation Facilities

All usage and crossing of State of Florida right of way or transportation facilities will be subject to Rule Chapter 14-46, Utilities Installation or Adjustment, F.A.C.; Florida Department of Transportation's (FDOT) Utility Accommodation Manual (Document 710-020-001); Design Standards for Design, Construction, Maintenance and Utility Operation on the State Highway System; Standard Specifications for Road and Bridge Construction; and pertinent sections of the FDOT's Project Development and Environmental Manual. US 19 has been identified as a Florida Intrastate Highway System (FIHS) and Strategic Intermodal System's (SIS) facilities. The placement of any transmission line or pipeline should take into consideration the planned widening of these facilities. The cost of relocating or reconstructing a transmission line or pipeline will be borne by the applicant to the extent required by Section 337.403, F.S., and Rule Chapter 14-46, F.A.C.

D. Standards

The manual on Uniform Traffic Control Devices; FDOT's Design Standards for Design, Construction, Maintenance and Utility Operation on the State Highway System; FDOT's Standard Specifications for Road and Bridge Construction; FDOT's Utility Accommodation Manual; and pertinent sections of the FDOT's Project Development and Environmental Manual will be adhered to in all circumstances involving the State highway System and other transportation facilities.

E. Drainage

Any drainage onto State of Florida right of way and transportation facilities will be subject to the requirements of Rule Chapter 14-86, Drainage Connections, F.A.C., including the attainment of any permit required thereby.

F. Use of Air Space

Any newly proposed structure or alteration of an existing structure will be subject to the requirements of Chapter 333, F.S., and Rule 14-60.009, Airspace Protection, F.A.C. Additionally, notification to the Federal Aviation Administration (FAA) is required prior to beginning construction, if the structure exceeds notification requirements of 14 CFR Part 77, Objects Affecting Navigable Airspace, Subpart B, Notice of Construction or Alteration. Notification will be provided to FAA Southern Region Headquarters using FAA Form 7460-1, Notice of Proposed Construction or Alteration in accordance with instructions therein. A subsequent Determination by the FAA stating that the structure exceeds any federal obstruction standard of 14 CFR Part 77, Subpart C for any structure that is located within a 10-nautical-mile radius of the geographical center of a public-use airport or military airfield in Florida will be required to submit information for an Airspace Obstruction Permit from the DFOT or variance from local government depending on the entity with jurisdictional authority over the site of the proposed structure. The FAA Determination regarding the structure serves only as a review of its impact on federal airspace and is not an authorization to proceed with any construction. However, FAA recommendations for marking and/or lighting of the proposed structure are made mandatory by Florida law. For a site under FDOT jurisdiction, application will be made by submitting FDOT Form 725-040-11, Airspace Obstruction Permit Application, in accordance with the instructions therein.

G. Best Management Practices

Traffic control during facility construction and maintenance will be subject to the standards contained in the Manual on Uniform Traffic Control Devices; Rule Chapter 14-94, Statewide Minimum Level of Service Standards, F.A.C.; FDOT's Design Standards for Design, Construction, Maintenance and Utility Operation on the State highway System; FDOT's Standard Specifications for Road and Bridge Construction; and FDOT's Utility Accommodation Manual, whichever is more stringent.

It is recommended that the applicant encourage transportation demand management techniques by doing the following:

1. Placing a bulletin board on site for car pooling advertisements.

2. Requiring that heavy construction vehicles remain onsite for the duration of construction to the extent practicable.

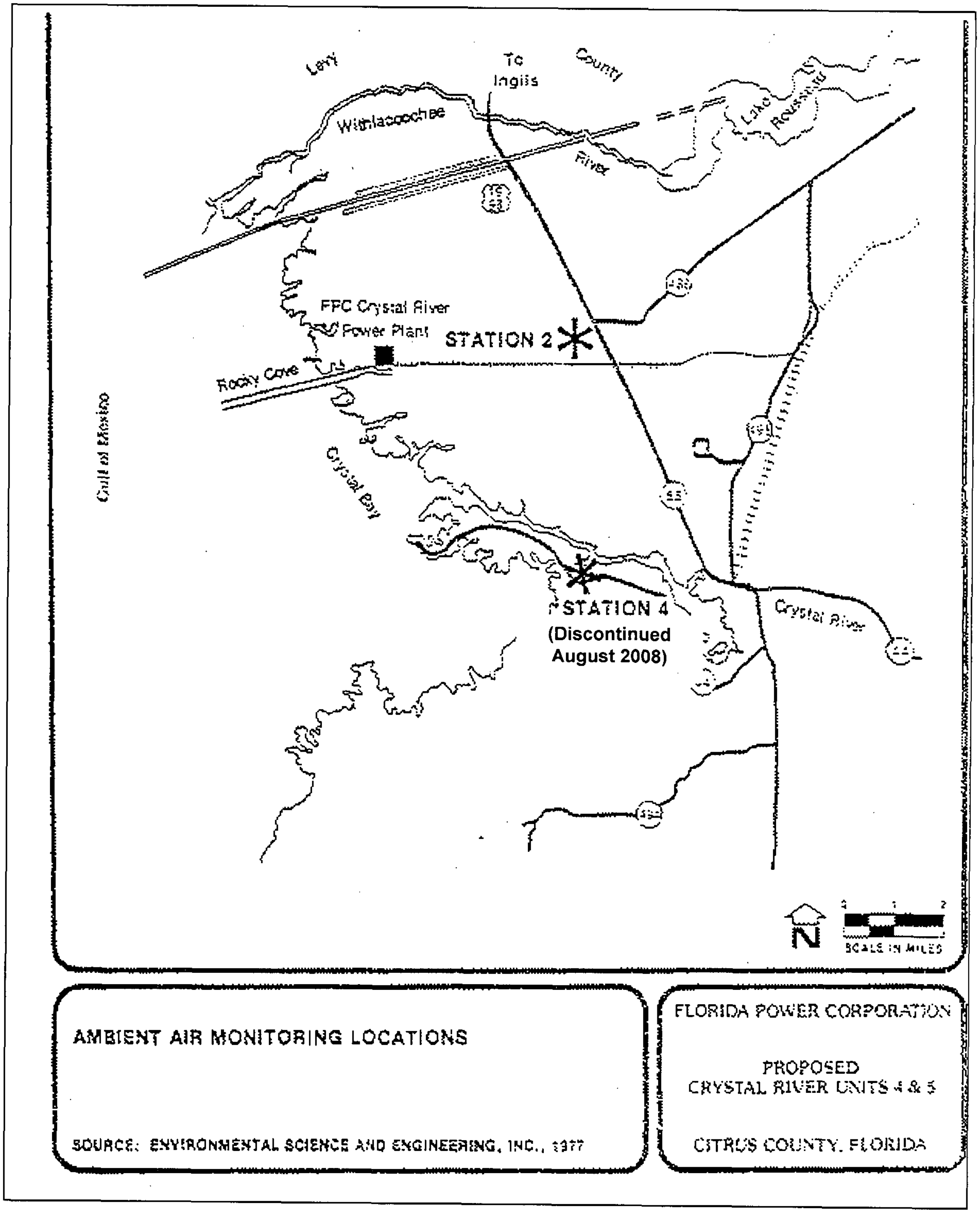
If the applicant uses contractors for the delivery of any overweight or overdimensional loads to the site during construction, the applicant should ensure that its contractors adhere to the necessary standards and receive the necessary permits required under Chapter 316, F.S., and Rule Chapter 14-26, Safety Regulations and Permit Fees for Overweight and Overdimensional Vehicles, F.A.C.

IX. HISTORY

Certification Issued 11/21/78; signed by Governor Askew
Modified 02/22/80; signed by Governor Graham

Modified 05/22/80; signed by Secretary Varn
Modified 05/04/82; signed by Secretary Tschinkel
Modified 06/29/82; signed by Governor Graham
Modified 02/02/84; signed by Secretary Tschinkel
Modified 07/03/84; signed by Governor Graham
Letter Modification 03/28/88; signed by Hamilton Oven Jr.
Modified 06/10/96; signed by Secretary Wetherell
Modification Denial 03/02/98; signed by Secretary Wetherell
Modification 02/01/05; signed by Program Administrator Oven
Modified 06/22/06; signed by Program Administrator Oven
Modified 11/29/07; signed by Program Administrator Halpin
Modified 08/07/08; signed by Program Administrator Halpin
Modified 08/28/08; signed by Governor Crist

ATTACHMENT 1: AMBIENT AIR MONITORING LOCATIONS



ATTACHMENT 2: LEACHATE MONITORING AND TESTING

PROGRESS ENERGY FLORIDA
CRYSTAL RIVER UNITS 4 AND 5
PROPOSED LEACHATE MONITORING AND TESTING

I. Computerized and manual literature search with the objective of obtaining an adequate data base from literature.

II. Pre-operational Water Table Monitoring Program with the objective to acquire 12-month baseline.

Install 12 shallow peizometer well points

Install 2 deep peizometer well points

Monitor water table level

- 1 well-recorder to establish degree of tidal influences - one month
- 13 wells - weekly

Monitor in situ (pH, conductance, redox, dissolved oxygen) - weekly (all wells)

Monitor key water quality indicators - monthly (4 wells)

Monitor extended water quality indicators - quarterly (4 wells)

Monitor rainfall and evaporation - weekly

Develop flow net and water budget

III. Laboratory screening of ash from low pyritic sulfur coal with the objective of evaluation of leachate formation and attenuation reactions. The program will establish the following:

- Percolation rates of compacted ash (fly and bottom ash)
- Solute release rates
- Limestone neutralization effectiveness
- Clay liner effectiveness
- Correlate extended and key water quality indicators
- Total ash leachate capacity
- Active area vs. Inactive area leachate rates
- Available fractions of solutes

Techniques for screening:

- Shake test (fly, bottom ash)
- Column leaching (6-10 months)

(1) Compacted fly ash (lifts and liners)

(2) Alternative lifts of ash and limestone

(3) Ash with clay liner

(4) Ash with compacted limerock and fly ash liner

IV. Evaluate leachate attenuation in subsoil and water table aquifer.

- Oxidation - reduction
- Chemical precipitation/solubility/pH/Eh
- Adsorption isotherms
- Ion exchange capacity
- Metals content of limerock

V. Cost-effectiveness evaluation of alternative liners

- Water quality criteria
- Biological effects
- Cost of leachate control and treatment
- Cost of runoff control and treatment

VI. Develop final design for field test cell program defined in paragraph VII below.

VII. Field test cells program with the objective of verifying.

Monitor water budget

- Direct infiltration rates
- Direct runoff
- Direct rainfall
- Water table

Potential test cell configuration

- Ash with compacted fly ash liner only
- Ash with compacted limestone and fly ash liner
- Alternative lifts of ash and limestone with compacted fly ash liner
- Ash with selected clay liner
- Alternative caps and vegetation

Monitor leachate formation and attenuation

- 4 well clusters per cell at three depths
- Weekly water table elevations in situ water quality from all wells (pH, conductance, redox, dissolved oxygen)

- Monthly key indicators from 2 clusters per cell
- Quarterly extended indicators from 2 per cell
- 2 base well points shall be maintained up slope of the active area

VIII. Evaluate leachate management program results and develop final design of ash storage area.

IX. Periodic reports on the progress of this program will be submitted to the Department for its information and review.

X. In situ water quality indicators

pH	Redox
Conductance	Dissolved Oxygen

XI. Key water quality indicators - monthly

Conductance	Cadmium
pH	Zinc
Redox	Copper
Dissolved Oxygen	Nickel
Temperature	Selenium
Color	Chromium
Turbidity	Arsenic
Chloride	Beryllium
Iron	Mercury
Lead	

XII. Extended water quality indicators - quarterly

Key indicators plus:

Total Dissolved Solids	Gross Alpha
Suspended Solids	Aluminum
Barium	Calcium
Magnesium	Sodium
Molybdenum	Vanadium
Cobalt	

ATTACHMENT 3: DISCHARGE MONITORING REPORT

Attachment 3
DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A DRAFT

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Progress Energy Florida
MAILING ADDRESS: 15760 Powerline Street, MAC CN77
Crystal River, FL 34428

FACILITY: PEF Crystal River Units 4&5
LOCATION: 15760 Powerline Street
US Highway 19 & Powerline Road
Crystal River, FL 34428

COUNTY: Citrus

PERMIT NUMBER: PA 77-09J (Siting Certification)

LIMIT: Final REPORT: Quarterly
CLASS SIZE: Major GROUP: Industrial

MONITORING GROUP NUMBER: G-001
MONITORING GROUP DESC: Crystal River Units 4 & 5 Percolation Ponds

NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: ____________ To ____________

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample Measurement										
PARM Code 00400 1 Mon. Site No. EFF-4	Permit Requirement					Report (Min.)	Report (Max.)	SU		Quarterly	In-situ
Specific Conductance	Sample Measurement										
PARM Code 00095 1 Mon. Site No. EFF-4	Permit Requirement						Report (Max.)	UMHO/CM		Quarterly	In-situ
Arsenic, Total Recoverable	Sample Measurement										
PARM Code 00978 1 Mon. Site No. EFF-4	Permit Requirement						Report (Max.)	UG/L		Quarterly	Grab
Barium, Total Recoverable	Sample Measurement										
PARM Code 01009 1 Mon. Site No. EFF-4	Permit Requirement						Report (Max.)	MG/L		Quarterly	Grab
Chloride (as Cl)	Sample Measurement										
PARM Code 00940 1 Mon. Site No. EFF-4	Permit Requirement						Report (Max.)	MG/L		Quarterly	Grab
Iron, Total Recoverable	Sample Measurement										
PARM Code 00980 1 Mon. Site No. EFF-4	Permit Requirement						Report (Max.)	MG/L		Quarterly	Grab

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YY/MM/DD)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

Attachment 3
DISCHARGE MONITORING REPORT - PART A DRAFT (Continued)

FACILITY: PEF Crystal River Units 4&5

MONITORING GROUP NUMBER: G-001
MONITORING PERIOD From: ____________ To ____________

PERMIT NUMBER: PA 77-09J

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Magnesium, Total Recoverable	Sample Measurement										
PARM Code 00921 1 Mon. Site No. EFF-4	Permit Requirement						Report (Max.)	MG/L		Quarterly	Grab
Sodium, Total Recoverable	Sample Measurement										
PARM Code 00923 1 Mon. Site No. EFF-4	Permit Requirement						Report (Max.)	MG/L		Quarterly	Grab
Solids, Total Dissolved (TDS)	Sample Measurement										
PARM Code 70295 1 Mon. Site No. EFF-4	Permit Requirement						Report (Max.)	MG/L		Quarterly	Grab
Vanadium, Total Recoverable	Sample Measurement										
PARM Code 01128 1 Mon. Site No. EFF-4	Permit Requirement						Report (Max.)	MG/L		Quarterly	Grab
Zinc, Total Recoverable	Sample Measurement										
PARM Code 01094 1 Mon. Site No. EFF-4	Permit Requirement						Report (Max.)	MG/L		Quarterly	Grab
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										
	Sample Measurement										
	Permit Requirement										

Attachment 3

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions as well as the SUPPLEMENTAL INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts–A, B, and D–all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.
When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.
DRY	Dry Well
FLD	Flood disaster.
IFS	Insufficient flow for sampling.
LS	Lost sample.
MNR	Monitoring not required this period.

CODE	DESCRIPTION/INSTRUCTIONS
NOD	No discharge from/to site.
OPS	Operations were shutdown so no sample could be taken.
OTH	Other. Please enter an explanation of why monitoring data were not available.
SEF	Sampling equipment failure.

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign ("<") followed by the laboratory's MDL value, e.g. < 0.001. A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

No Discharge From Site: Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.
Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
Sample Measurement: Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units.
No. Ex.: Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.
Frequency of Analysis: The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.
Sample Type: The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.
Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.
Comment and Explanation of Any Violations: Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

PART B - DAILY SAMPLE RESULTS

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
Daily Monitoring Results: Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

CODE	DESCRIPTION/INSTRUCTIONS
<	The compound was analyzed for but not detected.
A	Value reported is the mean (average) of two or more determinations.
J	Estimated value, value not accurate.
Q	Sample held beyond the actual holding time.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample.

Add the results to get the Total and divide by the number of days in the month to get the Monthly Average.
Plant Staffing: List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

PART D - GROUND WATER MONITORING REPORT

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
Date Sample Obtained: Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.
Time Sample Obtained: Enter the time the sample was taken.
Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that.
Detection Limits: Record the detection limits of the analytical methods used.
Analysis Method: Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.
Sampling Equipment Used: Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)
Samples Filtered: Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).
Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.
Comments and Explanation: Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

Flow (Limited Wet Weather Discharge): Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).
Flow (Upstream): Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.
Actual Stream Dilution Ratio: To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.
No. of Days the SDF > Stream Dilution Ratio: For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.
$CBOD_5$: Enter the average $CBOD_5$ of the reclaimed water discharged during the period shown in duration of discharge.
TKN: Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.
Actual Rainfall: Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.
Rainfall During Average Rainfall Year: On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.
No. of Days LWWD Activated During Calendar Year: Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.
Reason for Discharge: Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.

Appendix A. Current Title V Air Operation Permit

Appendix B Air Construction Permit 0170004-013-AC

Appendix C Air Construction Permit 0170004-014-AC

Appendix D Air PSD Permit PSD-FL-383

Appendix E Air PSD Permit PSD-FL-392

Appendix F NPDES Permit FL0036366

Appendix G NPDES Permit FL0000159

Appendix H WUP 20004695.004

Appendix I IWW Permit FLA016960

Appendix J IWW Permit FLA118753

Hydrology

H-5

1. Crystal River Nuclear DMR Data, permit No. FL00000159
2. Crystal River South DMR Data, permit No. FL00000159

Crystal River Nuclear DMR Data
Permit No. FL00000159

Begin date	End Date	PARAMETER_NAME	Outfall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
1/1/04	2/1/04	96-Hour Menidia Beryllina P-DOF (CR3)	P-DOF								NODI=9
1/1/04	2/1/04	96-Hour Menidia Beryllina Q-DOF (CR3)	Q-DOF								NODI=9
1/1/04	2/1/04	96-Hour Mysidopsis Bahia P-DOF (CR3)	P-DOF								NODI=9
1/1/04	2/1/04	96-Hour Mysidopsis Bahia Q-DOF (CR3)	Q-DOF								NODI=9
1/1/04	2/1/04	Ammonia 1-DOF (CR3)	1-DOF						NODI=9		
1/1/04	2/1/04	Ammonia P-DOF (CR3)	P-DOF						NODI=9		
1/1/04	2/1/04	Copper Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
1/1/04	2/1/04	Copper-trol - D013 (CR3)	D013						NODI=9	NODI=9	
1/1/04	2/1/04	Flow - IFE (CR3)	IFE				0.000047	0.00145			
1/1/04	2/1/04	Flow - IFG (CR3)	IFG				0.00197	0.0794			
1/1/04	2/1/04	Flow-CD System DOF (CR3)	DOF				0	0			
1/1/04	2/1/04	Flow-ECST DOF (CR3)	DOF				0.000197	0.00154			
1/1/04	2/1/04	Flow-Intake - DOF (CR3)	DOF				15.6	15.6			
1/1/04	2/1/04	Hydrazine P-DOF (CR3)	P-DOF						NODI=9		
1/1/04	2/1/04	Hydroquinone 1-DOF (CR3)	1-DOF						NODI=9		
1/1/04	2/1/04	Hydroquinone P-DOF (CR3)	P-DOF						NODI=9		
1/1/04	2/1/04	Iron Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
1/1/04	2/1/04	Morpholine 1-DOF (CR3)	1-DOF	51.3							
1/1/04	2/1/04	Morpholine P-DOF (CR3)	P-DOF						NODI=9		
1/1/04	2/1/04	Number of Batches - IFE (CR3)	IFE				1	1			
1/1/04	2/1/04	Oil and Grease - DOF (CR3)	DOF							NODI=9	
1/1/04	2/1/04	Oil and Grease - CD and ECST DOF (CR3)	DOF	2.04		6.4					
1/1/04	2/1/04	Oil and Grease - IFE (CR3)	IFE						0.5	0.5	
1/1/04	2/1/04	Oil and Grease - IFG (CR3)	IFG	2.96		15.6					
1/1/04	2/1/04	pH - Background - DOF (CR3)	DOF		8.1	8.23					
1/1/04	2/1/04	pH - Calc Limit - DOF (CR3)	DOF		7.1	8.5					
1/1/04	2/1/04	pH - Difference - DOF (CR3)	DOF		0.98	-0.26					
1/1/04	2/1/04	pH - Effluent - DOF (CR3)	DOF		8.08	8.24					
1/1/04	2/1/04	pH - IFE (CR3)	IFE							NODI=B	NODI=B
1/1/04	2/1/04	pH - IFG (CR3)	IFG		8.08	8.88					
1/1/04	2/1/04	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
1/1/04	2/1/04	Spectrus CT1300 - Clamtrol DOF (CR3)	DOF							NODI=B	
1/1/04	2/1/04	Temp Rise - D013 (CR3)	D013	15.4		16.6					
1/1/04	2/1/04	Temp-Discharge - D013 (CR3)	D013	74.4		84					
1/1/04	2/1/04	Temp-Intake - D013 (CR3)	D013	59		66.4					

Crystal River Nuclear DMR Data
Permit No. FL00000159

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
1/1/04	2/1/04	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
1/1/04	2/1/04	Total Copper - IFG (CR3)	IFG							NODI=9	
1/1/04	2/1/04	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
1/1/04	2/1/04	Total Iron- IFG (CR3)	IFG							NODI=9	
1/1/04	2/1/04	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
1/1/04	2/1/04	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
1/1/04	2/1/04	TSS - Clamtrol - D0F (CR3)	D0F	66.7		72.4					
1/1/04	2/1/04	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
1/1/04	2/1/04	TSS - IFE (CR3)	IFE						NODI=B	NODI=B	
1/1/04	2/1/04	TSS - IFG (CR3)	IFG	8.8		17.7					
1/1/04	2/1/04	Turbidity - D0F (CR3)	D0F			22					
1/1/04	2/1/04	Turbidity - Effluent D0F (CR3)	D0F			5.4					
2/1/04	3/1/04	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
2/1/04	3/1/04	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
2/1/04	3/1/04	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9
2/1/04	3/1/04	96-Hour Mysidopsis Bahia Q-D0F (CR3)	Q-D0F								NODI=9
2/1/04	3/1/04	Ammonia 1-D0F (CR3)	1-D0F						NODI=9		
2/1/04	3/1/04	Ammonia P-D0F (CR3)	P-D0F						NODI=9		
2/1/04	3/1/04	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
2/1/04	3/1/04	Copper-trol - D013 (CR3)	D014						NODI=9	NODI=9	
2/1/04	3/1/04	Flow - IFE (CR3)	IFE				0	0			
2/1/04	3/1/04	Flow - IFG (CR3)	IFG				0.0183	0.0836			
2/1/04	3/1/04	Flow-CD System D0F (CR3)	D0F				0	0			
2/1/04	3/1/04	Flow-ECST D0F (CR3)	D0F				102	0.0105			
2/1/04	3/1/04	Flow-Intake - D0F (CR3)	D0F				15.82	19.38			
2/1/04	3/1/04	Hydrazine 1-DOF (CR3)	1-DOF						NODI=9		
2/1/04	3/1/04	Hydrazine P-D0F (CR3)	P-D0F						NODI=9		
2/1/04	3/1/04	Hydroquinone 1-D0F (CR3)	1-D0F						NODI=9		
2/1/04	3/1/04	Hydroquinone P-D0F (CR3)	P-D0F						NODI=9		
2/1/04	3/1/04	Iron Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
2/1/04	3/1/04	Morpholine 1-D0F (CR3)	1-D0F	41.1							
2/1/04	3/1/04	Morpholine P-D0F (CR3)	P-D0F						NODI=9		
2/1/04	3/1/04	Number of Batches - IFE (CR3)	IFE				0	0			
2/1/04	3/1/04	Oil and Grease - D0F (CR3)	D0F							NODI=9	
2/1/04	3/1/04	Oil and Grease - CD and ECST D0F (CR3)	D0F	0.5		1.2					

Crystal River Nuclear DMR Data
Permit No. FL00000159

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
2/1/04	3/1/04	Oil and Grease - IFE (CR3)	IFE						NODI=9	NODI=9	
2/1/04	3/1/04	Oil and Grease - IFG (CR3)	IFG	1.6		4.5					
2/1/04	3/1/04	pH - Background - D0F (CR3)	D0F		7.97	8.14					
2/1/04	3/1/04	pH - Calc Limit - D0F (CR3)	D0F		6.97	8.5					
2/1/04	3/1/04	pH - Difference - D0F (CR3)	D0F		1.07	-0.31					
2/1/04	3/1/04	pH - Effluent - D0F (CR3)	D0F		8.04	8.19					
2/1/04	3/1/04	pH - IFE (CR3)	IFE							NODI=9	NODI=9
2/1/04	3/1/04	pH - IFG (CR3)	IFG		7.61	8.81					
2/1/04	3/1/04	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
2/1/04	3/1/04	Spectrus CT1300 - Clamtrol D0F (CR3)	D0F							NODI=B	
2/1/04	3/1/04	Temp Rise - D013 (CR3)	D013	13.2		14.9					
2/1/04	3/1/04	Temp-Discharge - D013 (CR3)	D013	74		78.6					
2/1/04	3/1/04	Temp-Intake - D013 (CR3)	D013	60.8		66.1					
2/1/04	3/1/04	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
2/1/04	3/1/04	Total Copper - IFG (CR3)	IFG							NODI=9	
2/1/04	3/1/04	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
2/1/04	3/1/04	Total Iron- IFG (CR3)	IFG							NODI=9	
2/1/04	3/1/04	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
2/1/04	3/1/04	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
2/1/04	3/1/04	TSS - Clamtrol - D0F (CR3)	D0F	52.4		57.3					
2/1/04	3/1/04	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
2/1/04	3/1/04	TSS - IFE (CR3)	IFE						NODI=9	NODI=9	
2/1/04	3/1/04	TSS - IFG (CR3)	IFG	9.32		16.4					
2/1/04	3/1/04	Turbidity - D0F (CR3)	D0F			15.4					
2/1/04	3/1/04	Turbidity - Effluent D0F (CR3)	D0F			5.1					
3/1/04	4/1/04	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
3/1/04	4/1/04	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
3/1/04	4/1/04	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9
3/1/04	4/1/04	96-Hour Mysidopsis Bahia Q-D0F (CR3)	Q-D0F								NODI=9
3/1/04	4/1/04	Ammonia 1-D0F (CR3)	1-D0F						NODI=9		
3/1/04	4/1/04	Ammonia P-D0F (CR3)	P-D0F						NODI=9		
3/1/04	4/1/04	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
3/1/04	4/1/04	Copper-trol - D013 (CR3)	D015						NODI=9	NODI=9	
3/1/04	4/1/04	Flow - IFE (CR3)	IFE				0	0			
3/1/04	4/1/04	Flow - IFG (CR3)	IFG				0.0173	0.0806			

Crystal River Nuclear DMR Data
Permit No. FL00000159

Begin date	End Date	PARAMETER_NAME	Outfall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
3/1/04	4/1/04	Flow-CD System D0F (CR3)	D0F				0.00953	0.163			
3/1/04	4/1/04	Flow-ECST D0F (CR3)	D0F				0.00038	0.00749			
3/1/04	4/1/04	Flow-Intake - D0F (CR3)	D0F				15.73	16.96			
3/1/04	4/1/04	Hydrazine 1-D0F (CR3)	1-D0F						NODI=9		
3/1/04	4/1/04	Hydrazine P-D0F (CR3)	P-D0F						NODI=9		
3/1/04	4/1/04	Hydroquinone 1-D0F (CR3)	1-D0F						NODI=9		
3/1/04	4/1/04	Hydroquinone P-D0F (CR3)	P-D0F						NODI=9		
3/1/04	4/1/04	Iron Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
3/1/04	4/1/04	Morpholine 1-D0F (CR3)	1-D0F	28.5							
3/1/04	4/1/04	Morpholine P-D0F (CR3)	P-D0F						NODI=9		
3/1/04	4/1/04	Number of Batches - IFE (CR3)	IFE				0	0			
3/1/04	4/1/04	Oil and Grease - D0F (CR3)	D0F							NODI=9	
3/1/04	4/1/04	Oil and Grease - CD and ECST D0F (CR3)	D0F	0.7		1.3					
3/1/04	4/1/04	Oil and Grease - IFE (CR3)	IFE						NODI=9	NODI=9	
3/1/04	4/1/04	Oil and Grease - IFG (CR3)	IFG	1.55		7					
3/1/04	4/1/04	pH - Background - D0F (CR3)	D0F		8.02	8.12					
3/1/04	4/1/04	pH - Calc Limit - D0F (CR3)	D0F		7.02	8.5					
3/1/04	4/1/04	pH - Difference - D0F (CR3)	D0F		1.01	-0.37					
3/1/04	4/1/04	pH - Effluent - D0F (CR3)	D0F		8.03	8.13					
3/1/04	4/1/04	pH - IFE (CR3)	IFE							NODI=9	NODI=9
3/1/04	4/1/04	pH - IFG (CR3)	IFG		8.22	8.95					
3/1/04	4/1/04	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
3/1/04	4/1/04	Spectrus CT1300 - Clamtrol D0F (CR3)	D0F							NODI=B	
3/1/04	4/1/04	Temp Rise - D013 (CR3)	D013	13.4		17.4					
3/1/04	4/1/04	Temp-Discharge - D013 (CR3)	D013	81.2		88.1					
3/1/04	4/1/04	Temp-Intake - D013 (CR3)	D013	67.8		73					
3/1/04	4/1/04	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
3/1/04	4/1/04	Total Copper - IFG (CR3)	IFG							NODI=9	
3/1/04	4/1/04	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
3/1/04	4/1/04	Total Iron- IFG (CR3)	IFG							NODI=9	
3/1/04	4/1/04	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
3/1/04	4/1/04	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
3/1/04	4/1/04	TSS - Clamtrol - D0F (CR3)	D0F	79.9		123.8					
3/1/04	4/1/04	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
3/1/04	4/1/04	TSS - IFE (CR3)	IFE						NODI=9	NODI=9	

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3/1/04	4/1/04	TSS - IFG (CR3)	IFG	3.57		8.3					
3/1/04	4/1/04	Turbidity - DOF (CR3)	DOF			19.1					
3/1/04	4/1/04	Turbidity - Effluent DOF (CR3)	DOF			9.1					
4/1/04	5/1/04	96-Hour Menidia Beryllina P-DOF (CR3)	P-DOF								NODI=9
4/1/04	5/1/04	96-Hour Menidia Beryllina Q-DOF (CR3)	Q-DOF								NODI=9
4/1/04	5/1/04	96-Hour Mysidopsis Bahia P-DOF (CR3)	P-DOF								NODI=9
4/1/04	5/1/04	96-Hour Mysidopsis Bahia Q-DOF (CR3)	Q-DOF								NODI=9
4/1/04	5/1/04	Ammonia 1-DOF (CR3)	1-DOF						NODI=9		
4/1/04	5/1/04	Ammonia P-DOF (CR3)	P-DOF						NODI=9		
4/1/04	5/1/04	Copper Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
4/1/04	5/1/04	Copper-trol - D013 (CR3)	D016						NODI=9	NODI=9	
4/1/04	5/1/04	Flow - IFE (CR3)	IFE				0	0			
4/1/04	5/1/04	Flow - IFG (CR3)	IFG				0.0149	0.077			
4/1/04	5/1/04	Flow-CD System DOF (CR3)	DOF				0	0			
4/1/04	5/1/04	Flow-ECST DOF (CR3)	DOF				0.00252	0.015			
4/1/04	5/1/04	Flow-Intake - DOF (CR3)	DOF				16.29	18.32			
4/1/04	5/1/04	Hydrazine 1-DOF (CR3)	1-DOF						NODI=9		
4/1/04	5/1/04	Hydrazine P-DOF (CR3)	P-DOF						NODI=9		
4/1/04	5/1/04	Hydroquinone 1-DOF (CR3)	1-DOF						NODI=9		
4/1/04	5/1/04	Hydroquinone P-DOF (CR3)	P-DOF						NODI=9		
4/1/04	5/1/04	Iron Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
4/1/04	5/1/04	Morpholine 1-DOF (CR3)	1-DOF	25.7							
4/1/04	5/1/04	Morpholine P-DOF (CR3)	P-DOF						NODI=9		
4/1/04	5/1/04	Number of Batches - IFE (CR3)	IFE				0	0			
4/1/04	5/1/04	Oil and Grease - DOF (CR3)	DOF							NODI=9	
4/1/04	5/1/04	Oil and Grease - CD and ECST DOF (CR3)	DOF	1.01		3.4					
4/1/04	5/1/04	Oil and Grease - IFE (CR3)	IFE						NODI=9	NODI=9	
4/1/04	5/1/04	Oil and Grease - IFG (CR3)	IFG	2.14		6.5					
4/1/04	5/1/04	pH - Background - DOF (CR3)	DOF		7.89	8.12					
4/1/04	5/1/04	pH - Calc Limit - DOF (CR3)	DOF		6.89	8.5					
4/1/04	5/1/04	pH - Difference - DOF (CR3)	DOF		0.98	-0.37					
4/1/04	5/1/04	pH - Effluent - DOF (CR3)	DOF		7.87	8.13					
4/1/04	5/1/04	pH - IFE (CR3)	IFE							NODI=9	NODI=9
4/1/04	5/1/04	pH - IFG (CR3)	IFG		8.46	8.73					
4/1/04	5/1/04	Resid Ox - Time of Discharge D013 (CR3)	D013			0					

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4/1/04	5/1/04	Spectrus CT1300 - Clamtrol D0F (CR3)	D0F							NODI=B	
4/1/04	5/1/04	Temp Rise - D013 (CR3)	D013	14.2		15.9					
4/1/04	5/1/04	Temp-Discharge - D013 (CR3)	D013	86		95.4					
4/1/04	5/1/04	Temp-Intake - D013 (CR3)	D013	71.7		78.5					
4/1/04	5/1/04	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
4/1/04	5/1/04	Total Copper - IFG (CR3)	IFG							NODI=9	
4/1/04	5/1/04	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
4/1/04	5/1/04	Total Iron- IFG (CR3)	IFG							NODI=9	
4/1/04	5/1/04	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
4/1/04	5/1/04	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
4/1/04	5/1/04	TSS - Clamtrol - D0F (CR3)	D0F	48.2		59.9					
4/1/04	5/1/04	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
4/1/04	5/1/04	TSS - IFE (CR3)	IFE						NODI=9	NODI=9	
4/1/04	5/1/04	TSS - IFG (CR3)	IFG	7.61		9.8					
4/1/04	5/1/04	Turbidity - D0F (CR3)	D0F			18					
4/1/04	5/1/04	Turbidity - Effluent D0F (CR3)	D0F			9.1					
5/1/04	6/1/04	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
5/1/04	6/1/04	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
5/1/04	6/1/04	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9
5/1/04	6/1/04	96-Hour Mysidopsis Bahia Q-D0F (CR3)	Q-D0F								NODI=9
5/1/04	6/1/04	Ammonia 1-D0F (CR3)	1-D0F						NODI=9		
5/1/04	6/1/04	Ammonia P-D0F (CR3)	P-D0F						NODI=9		
5/1/04	6/1/04	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
5/1/04	6/1/04	Copper-trol - D013 (CR3)	D017						NODI=9	NODI=9	
5/1/04	6/1/04	Flow - IFE (CR3)	IFE				0.000047	0.0014			
5/1/04	6/1/04	Flow - IFG (CR3)	IFG				0.0191	0.079			
5/1/04	6/1/04	Flow-CD System D0F (CR3)	D0F				0	0			
5/1/04	6/1/04	Flow-ECST D0F (CR3)	D0F				0.00095	0.015			
5/1/04	6/1/04	Flow-Intake - D0F (CR3)	D0F				15.58	16.34			
5/1/04	6/1/04	Hydrazine 1-D0F (CR3)	1-D0F						NODI=9		
5/1/04	6/1/04	Hydrazine P-D0F (CR3)	P-D0F						NODI=9		
5/1/04	6/1/04	Hydroquinone 1-D0F (CR3)	1-D0F						NODI=9		
5/1/04	6/1/04	Hydroquinone P-D0F (CR3)	P-D0F						NODI=9		
5/1/04	6/1/04	Iron Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
5/1/04	6/1/04	Morpholine 1-D0F (CR3)	1-D0F	27							

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
5/1/04	6/1/04	Morpholine P-DOF (CR3)	P-DOF						NODI=9		
5/1/04	6/1/04	Number of Batches - IFE (CR3)	IFE				1	1			
5/1/04	6/1/04	Oil and Grease - DOF (CR3)	DOF							NODI=9	
5/1/04	6/1/04	Oil and Grease - CD and ECST DOF (CR3)	DOF	0.35		1					
5/1/04	6/1/04	Oil and Grease - IFE (CR3)	IFE						8.9	8.9	
5/1/04	6/1/04	Oil and Grease - IFG (CR3)	IFG	0.91		2.4					
5/1/04	6/1/04	pH - Background - DOF (CR3)	DOF		8.01	8.2					
5/1/04	6/1/04	pH - Calc Limit - DOF (CR3)	DOF		7.01	8.5					
5/1/04	6/1/04	pH - Difference - DOF (CR3)	DOF		0.97	-0.28					
5/1/04	6/1/04	pH - Effluent - DOF (CR3)	DOF		7.98	8.22					
5/1/04	6/1/04	pH - IFE (CR3)	IFE							8.35	8.35
5/1/04	6/1/04	pH - IFG (CR3)	IFG		8.51	8.9					
5/1/04	6/1/04	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
5/1/04	6/1/04	Spectrus CT1300 - Clamtrol DOF (CR3)	DOF							NODI=B	
5/1/04	6/1/04	Temp Rise - D013 (CR3)	D013	12		15.3					
5/1/04	6/1/04	Temp-Discharge - D013 (CR3)	D013	92.9		96.1					
5/1/04	6/1/04	Temp-Intake - D013 (CR3)	D013	80.9		87.4					
5/1/04	6/1/04	Total Copper - DOF (CR3)	DOF						NODI=9	NODI=9	
5/1/04	6/1/04	Total Copper - IFG (CR3)	IFG							NODI=9	
5/1/04	6/1/04	Total Iron- DOF (CR3)	DOF						NODI=9	NODI=9	
5/1/04	6/1/04	Total Iron- IFG (CR3)	IFG							NODI=9	
5/1/04	6/1/04	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
5/1/04	6/1/04	TSS - CD and ECST DOF (CR3)	DOF						NODI=B	NODI=B	
5/1/04	6/1/04	TSS - Clamtrol - DOF (CR3)	DOF	58.9		113					
5/1/04	6/1/04	TSS - DOF (CR3)	DOF						NODI=9	NODI=9	
5/1/04	6/1/04	TSS - IFE (CR3)	IFE						NODI=B	NODI=B	
5/1/04	6/1/04	TSS - IFG (CR3)	IFG	6.41		11.7					
5/1/04	6/1/04	Turbidity - DOF (CR3)	DOF			20					
5/1/04	6/1/04	Turbidity - Effluent DOF (CR3)	DOF			12.8					
6/1/04	7/1/04	96-Hour Menidia Beryllina P-DOF (CR3)	P-DOF								NODI=9
6/1/04	7/1/04	96-Hour Menidia Beryllina Q-DOF (CR3)	Q-DOF								NODI=9
6/1/04	7/1/04	96-Hour Mysidopsis Bahia P-DOF (CR3)	P-DOF								NODI=9
6/1/04	7/1/04	96-Hour Mysidopsis Bahia Q-DOF (CR3)	Q-DOF								NODI=9
6/1/04	7/1/04	Ammonia 1-DOF (CR3)	1-DOF						NODI=9		
6/1/04	7/1/04	Ammonia P-DOF (CR3)	P-DOF						NODI=9		

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6/1/04	7/1/04	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
6/1/04	7/1/04	Copper-trol - D013 (CR3)	D018						NODI=9	NODI=9	
6/1/04	7/1/04	Flow - IFE (CR3)	IFE				0	0			
6/1/04	7/1/04	Flow - IFG (CR3)	IFG				0.0178	0.0791			
6/1/04	7/1/04	Flow-CD System D0F (CR3)	D0F				0	0			
6/1/04	7/1/04	Flow-ECST D0F (CR3)	D0F				0.00156	0.0142			
6/1/04	7/1/04	Flow-Intake - D0F (CR3)	D0F				17.98	20.3			
6/1/04	7/1/04	Hydrazine 1-D0F (CR3)	1-D0F						NODI=9		
6/1/04	7/1/04	Hydrazine P-D0F (CR3)	P-D0F						NODI=9		
6/1/04	7/1/04	Hydroquinone 1-D0F (CR3)	1-D0F						NODI=9		
6/1/04	7/1/04	Hydroquinone P-D0F (CR3)	P-D0F						NODI=9		
6/1/04	7/1/04	Iron Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
6/1/04	7/1/04	Morpholine 1-D0F (CR3)	1-D0F	31.4							
6/1/04	7/1/04	Morpholine P-D0F (CR3)	P-D0F						NODI=9		
6/1/04	7/1/04	Number of Batches - IFE (CR3)	IFE				0	0			
6/1/04	7/1/04	Oil and Grease - D0F (CR3)	D0F							NODI=9	
6/1/04	7/1/04	Oil and Grease - CD and ECST D0F (CR3)	D0F	0.35		1					
6/1/04	7/1/04	Oil and Grease - IFE (CR3)	IFE						NODI=9	NODI=9	
6/1/04	7/1/04	Oil and Grease - IFG (CR3)	IFG	1.39		4.4					
6/1/04	7/1/04	pH - Background - D0F (CR3)	D0F		8.08	8.23					
6/1/04	7/1/04	pH - Calc Limit - D0F (CR3)	D0F		7.08	8.5					
6/1/04	7/1/04	pH - Difference - D0F (CR3)	D0F		0.91	-0.31					
6/1/04	7/1/04	pH - Effluent - D0F (CR3)	D0F		7.97	8.19					
6/1/04	7/1/04	pH - IFE (CR3)	IFE							NODI=9	NODI=9
6/1/04	7/1/04	pH - IFG (CR3)	IFG		8.74	8.95					
6/1/04	7/1/04	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
6/1/04	7/1/04	Spectrus CT1300 - Clamtrol D0F (CR3)	D0F							NODI=B	
6/1/04	7/1/04	Temp Rise - D013 (CR3)	D013	6.5		8					
6/1/04	7/1/04	Temp-Discharge - D013 (CR3)	D013	94.1		96.8					
6/1/04	7/1/04	Temp-Intake - D013 (CR3)	D013	87.6		90.7					
6/1/04	7/1/04	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
6/1/04	7/1/04	Total Copper - IFG (CR3)	IFG							NODI=9	
6/1/04	7/1/04	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
6/1/04	7/1/04	Total Iron- IFG (CR3)	IFG							NODI=9	
6/1/04	7/1/04	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
6/1/04	7/1/04	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
6/1/04	7/1/04	TSS - Clamtrol - D0F (CR3)	D0F	84.2		121.6					
6/1/04	7/1/04	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
6/1/04	7/1/04	TSS - IFE (CR3)	IFE						NODI=9	NODI=9	
6/1/04	7/1/04	TSS - IFG (CR3)	IFG	4.37		10.1					
6/1/04	7/1/04	Turbidity - D0F (CR3)	D0F			22.7					
6/1/04	7/1/04	Turbidity - Effluent D0F (CR3)	D0F			10.2					
7/1/04	8/1/04	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
7/1/04	8/1/04	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
7/1/04	8/1/04	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9
7/1/04	8/1/04	96-Hour Mysidopsis Bahia Q-D0F (CR3)	Q-D0F								NODI=9
7/1/04	8/1/04	Ammonia 1-D0F (CR3)	1-D0F						NODI=9		
7/1/04	8/1/04	Ammonia P-D0F (CR3)	P-D0F						NODI=9		
7/1/04	8/1/04	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
7/1/04	8/1/04	Copper-trol - D013 (CR3)	D019						NODI=9	NODI=9	
7/1/04	8/1/04	Flow - IFE (CR3)	IFE				0	0			
7/1/04	8/1/04	Flow - IFG (CR3)	IFG				0.0193	0.0798			
7/1/04	8/1/04	Flow-CD System D0F (CR3)	D0F				0	0			
7/1/04	8/1/04	Flow-ECST D0F (CR3)	D0F				0.00167	0.0151			
7/1/04	8/1/04	Flow-Intake - D0F (CR3)	D0F				15.9	20.3			
7/1/04	8/1/04	Hydrazine 1-D0F (CR3)	1-DOF						NODI=9		
7/1/04	8/1/04	Hydrazine P-D0F (CR3)	P-D0F						NODI=9		
7/1/04	8/1/04	Hydroquinone 1-D0F (CR3)	1-D0F						NODI=9		
7/1/04	8/1/04	Hydroquinone P-D0F (CR3)	P-D0F						NODI=9		
7/1/04	8/1/04	Iron Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
7/1/04	8/1/04	Morpholine 1-D0F (CR3)	1-D0F	22.9							
7/1/04	8/1/04	Morpholine P-D0F (CR3)	P-D0F						NODI=9		
7/1/04	8/1/04	Number of Batches - IFE (CR3)	IFE				0	0			
7/1/04	8/1/04	Oil and Grease - D0F (CR3)	D0F							NODI=9	
7/1/04	8/1/04	Oil and Grease - CD and ECST D0F (CR3)	D0F	1.1		4.4					
7/1/04	8/1/04	Oil and Grease - IFE (CR3)	IFE						NODI=C	NODI=C	
7/1/04	8/1/04	Oil and Grease - IFG (CR3)	IFG	0.82		1.9					
7/1/04	8/1/04	pH - Background - D0F (CR3)	D0F		7.97	8.17					
7/1/04	8/1/04	pH - Calc Limit - D0F (CR3)	D0F		6.97	8.5					
7/1/04	8/1/04	pH - Difference - D0F (CR3)	D0F		0.94	-0.29					

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7/1/04	8/1/04	pH - Effluent - D0F (CR3)	D0F		7.91	8.21					
7/1/04	8/1/04	pH - IFE (CR3)	IFE							NODI=C	NODI=C
7/1/04	8/1/04	pH - IFG (CR3)	IFG		7.71	8.84					
7/1/04	8/1/04	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
7/1/04	8/1/04	Spectrus CT1300 - Clamtrol D0F (CR3)	D0F							NODI=B	
7/1/04	8/1/04	Temp Rise - D013 (CR3)	D013	6.4		9.8					
7/1/04	8/1/04	Temp-Discharge - D013 (CR3)	D013	94.1		96.2					
7/1/04	8/1/04	Temp-Intake - D013 (CR3)	D013	87.6		90.8					
7/1/04	8/1/04	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
7/1/04	8/1/04	Total Copper - IFG (CR3)	IFG							NODI=9	
7/1/04	8/1/04	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
7/1/04	8/1/04	Total Iron- IFG (CR3)	IFG							NODI=9	
7/1/04	8/1/04	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
7/1/04	8/1/04	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
7/1/04	8/1/04	TSS - Clamtrol - D0F (CR3)	D0F	49		55.7					
7/1/04	8/1/04	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
7/1/04	8/1/04	TSS - IFE (CR3)	IFE						NODI=C	NODI=C	
7/1/04	8/1/04	TSS - IFG (CR3)	IFG	16.55		52.1					
7/1/04	8/1/04	Turbidity - D0F (CR3)	D0F			21.8					
7/1/04	8/1/04	Turbidity - Effluent D0F (CR3)	D0F			12					
8/1/04	9/1/04	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
8/1/04	9/1/04	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
8/1/04	9/1/04	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9
8/1/04	9/1/04	96-Hour Mysidopsis Bahia Q-D0F (CR3)	Q-D0F								NODI=9
8/1/04	9/1/04	Ammonia 1-D0F (CR3)	1-D0F						NODI=9		
8/1/04	9/1/04	Ammonia P-D0F (CR3)	P-D0F						NODI=9		
8/1/04	9/1/04	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
8/1/04	9/1/04	Copper-trol - D013 (CR3)	D020						NODI=9	NODI=9	
8/1/04	9/1/04	Flow - IFE (CR3)	IFE				0.000043	0.0134			
8/1/04	9/1/04	Flow - IFG (CR3)	IFG				0.0189	0.0781			
8/1/04	9/1/04	Flow-CD System D0F (CR3)	D0F				0	0			
8/1/04	9/1/04	Flow-ECST D0F (CR3)	D0F				0.00144	0.00749			
8/1/04	9/1/04	Flow-Intake - D0F (CR3)	D0F				15.67	17.88			
8/1/04	9/1/04	Hydrazine 1-D0F (CR3)	1-D0F						NODI=9		
8/1/04	9/1/04	Hydrazine P-D0F (CR3)	P-D0F						NODI=9		

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8/1/04	9/1/04	Hydroquinone 1-DOF (CR3)	1-DOF						NODI=9		
8/1/04	9/1/04	Hydroquinone P-DOF (CR3)	P-DOF						NODI=9		
8/1/04	9/1/04	Iron Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
8/1/04	9/1/04	Morpholine 1-DOF (CR3)	1-DOF	26.6							
8/1/04	9/1/04	Morpholine P-DOF (CR3)	P-DOF						NODI=9		
8/1/04	9/1/04	Number of Batches - IFE (CR3)	IFE				1	1			
8/1/04	9/1/04	Oil and Grease - DOF (CR3)	DOF							NODI=9	
8/1/04	9/1/04	Oil and Grease - CD and ECST DOF (CR3)	DOF	0.97		3					
8/1/04	9/1/04	Oil and Grease - IFE (CR3)	IFE	1		1					
8/1/04	9/1/04	Oil and Grease - IFG (CR3)	IFG	0.84		1.9					
8/1/04	9/1/04	pH - Background - DOF (CR3)	DOF		7.74	8.1					
8/1/04	9/1/04	pH - Calc Limit - DOF (CR3)	DOF		6.74	8.5					
8/1/04	9/1/04	pH - Difference - DOF (CR3)	DOF		1.22	-0.34					
8/1/04	9/1/04	pH - Effluent - DOF (CR3)	DOF		7.96	8.16					
8/1/04	9/1/04	pH - IFE (CR3)	IFE							6.82	6.82
8/1/04	9/1/04	pH - IFG (CR3)	IFG		7.75	8.95					
8/1/04	9/1/04	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
8/1/04	9/1/04	Spectrus CT1300 - Clamtrol DOF (CR3)	DOF							NODI=B	
8/1/04	9/1/04	Temp Rise - D013 (CR3)	D013	8.1		11.2					
8/1/04	9/1/04	Temp-Discharge - D013 (CR3)	D013	93.8		96.2					
8/1/04	9/1/04	Temp-Intake - D013 (CR3)	D013	85.7		88.2					
8/1/04	9/1/04	Total Copper - DOF (CR3)	DOF						NODI=9	NODI=9	
8/1/04	9/1/04	Total Copper - IFG (CR3)	IFG							NODI=9	
8/1/04	9/1/04	Total Iron- DOF (CR3)	DOF						NODI=9	NODI=9	
8/1/04	9/1/04	Total Iron- IFG (CR3)	IFG							NODI=9	
8/1/04	9/1/04	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
8/1/04	9/1/04	TSS - CD and ECST DOF (CR3)	DOF						NODI=B	NODI=B	
8/1/04	9/1/04	TSS - Clamtrol - DOF (CR3)	DOF	35		49.3					
8/1/04	9/1/04	TSS - DOF (CR3)	DOF						NODI=9	NODI=9	
8/1/04	9/1/04	TSS - IFE (CR3)	IFE						NODI=B	NODI=B	
8/1/04	9/1/04	TSS - IFG (CR3)	IFG	7.87		13					
8/1/04	9/1/04	Turbidity - DOF (CR3)	DOF			23.6					
8/1/04	9/1/04	Turbidity - Effluent DOF (CR3)	DOF			12.2					
9/1/04	10/1/04	96-Hour Menidia Beryllina P-DOF (CR3)	P-DOF								NODI=9
9/1/04	10/1/04	96-Hour Menidia Beryllina Q-DOF (CR3)	Q-DOF								NODI=9

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9/1/04	10/1/04	96-Hour Mysidopsis Bahia P-DOF (CR3)	P-DOF								NODI=9
9/1/04	10/1/04	96-Hour Mysidopsis Bahia Q-DOF (CR3)	Q-DOF								NODI=9
9/1/04	10/1/04	Ammonia 1-DOF (CR3)	1-DOF						NODI=9		
9/1/04	10/1/04	Ammonia P-DOF (CR3)	P-DOF						NODI=9		
9/1/04	10/1/04	Copper Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
9/1/04	10/1/04	Copper-trol - D013 (CR3)	D021						NODI=9	NODI=9	
9/1/04	10/1/04	Flow - IFE (CR3)	IFE				0.000042	0.0013			
9/1/04	10/1/04	Flow - IFG (CR3)	IFG				0.0123	0.0778			
9/1/04	10/1/04	Flow-CD System DOF (CR3)	DOF				0.0078	0.235			
9/1/04	10/1/04	Flow-ECST DOF (CR3)	DOF				0.00194	0.015			
9/1/04	10/1/04	Flow-Intake - DOF (CR3)	DOF				16.54	20.3			
9/1/04	10/1/04	Hydrazine 1-DOF (CR3)	1-DOF						NODI=9		
9/1/04	10/1/04	Hydrazine P-DOF (CR3)	P-DOF						NODI=9		
9/1/04	10/1/04	Hydroquinone 1-DOF (CR3)	1-DOF						NODI=9		
9/1/04	10/1/04	Hydroquinone P-DOF (CR3)	P-DOF						NODI=9		
9/1/04	10/1/04	Iron Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
9/1/04	10/1/04	Morpholine 1-DOF (CR3)	1-DOF	38.2							
9/1/04	10/1/04	Morpholine P-DOF (CR3)	P-DOF						NODI=9		
9/1/04	10/1/04	Number of Batches - IFE (CR3)	IFE				1	1			
9/1/04	10/1/04	Oil and Grease - DOF (CR3)	DOF							NODI=9	
9/1/04	10/1/04	Oil and Grease - CD and ECST DOF (CR3)	DOF	0.23		1					
9/1/04	10/1/04	Oil and Grease - IFE (CR3)	IFE	0.7		0.7					
9/1/04	10/1/04	Oil and Grease - IFG (CR3)	IFG	2.35		8.6					
9/1/04	10/1/04	pH - Background - DOF (CR3)	DOF		7.64	8.08					
9/1/04	10/1/04	pH - Calc Limit - DOF (CR3)	DOF		6.64	8.5					
9/1/04	10/1/04	pH - Difference - DOF (CR3)	DOF		1.05	-0.35					
9/1/04	10/1/04	pH - Effluent - DOF (CR3)	DOF		7.69	8.15					
9/1/04	10/1/04	pH - IFE (CR3)	IFE							6.6	6.6
9/1/04	10/1/04	pH - IFG (CR3)	IFG		8.3	8.93					
9/1/04	10/1/04	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
9/1/04	10/1/04	Spectrus CT1300 - Clamtrol DOF (CR3)	DOF							NODI=B	
9/1/04	10/1/04	Temp Rise - D013 (CR3)	D013	10.1		13.4					
9/1/04	10/1/04	Temp-Discharge - D013 (CR3)	D013	92		101.9					
9/1/04	10/1/04	Temp-Intake - D013 (CR3)	D013	82.1		88.4					
9/1/04	10/1/04	Total Copper - DOF (CR3)	DOF						NODI=9	NODI=9	

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9/1/04	10/1/04	Total Copper - IFG (CR3)	IFG							NODI=9	
9/1/04	10/1/04	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
9/1/04	10/1/04	Total Iron- IFG (CR3)	IFG							NODI=9	
9/1/04	10/1/04	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
9/1/04	10/1/04	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
9/1/04	10/1/04	TSS - Clamtrol - D0F (CR3)	D0F	46.3		53.5					
9/1/04	10/1/04	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
9/1/04	10/1/04	TSS - IFE (CR3)	IFE						NODI=B	NODI=B	
9/1/04	10/1/04	TSS - IFG (CR3)	IFG	5.67		12					
9/1/04	10/1/04	Turbidity - D0F (CR3)	D0F			21.8					
9/1/04	10/1/04	Turbidity - Effluent D0F (CR3)	D0F			22.3					
10/1/04	11/1/04	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
10/1/04	11/1/04	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
10/1/04	11/1/04	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9
10/1/04	11/1/04	96-Hour Mysidopsis Bahia Q-D0F (CR3)	Q-D0F								NODI=9
10/1/04	11/1/04	Ammonia 1-D0F (CR3)	1-D0F						NODI=9		
10/1/04	11/1/04	Ammonia P-D0F (CR3)	P-D0F						NODI=9		
10/1/04	11/1/04	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
10/1/04	11/1/04	Copper-trol - D013 (CR3)	D022						NODI=9	NODI=9	
10/1/04	11/1/04	Flow - IFE (CR3)	IFE				0	0			
10/1/04	11/1/04	Flow - IFG (CR3)	IFG				0.0211	0.0812			
10/1/04	11/1/04	Flow-CD System D0F (CR3)	D0F				0	0			
10/1/04	11/1/04	Flow-ECST D0F (CR3)	D0F				0.00139	0.00757			
10/1/04	11/1/04	Flow-Intake - D0F (CR3)	D0F				15.9	20.3			
10/1/04	11/1/04	Hydrazine 1-D0F (CR3)	1-D0F						NODI=9		
10/1/04	11/1/04	Hydrazine P-D0F (CR3)	P-D0F						NODI=9		
10/1/04	11/1/04	Hydroquinone 1-D0F (CR3)	1-D0F						NODI=9		
10/1/04	11/1/04	Hydroquinone P-D0F (CR3)	P-D0F						NODI=9		
10/1/04	11/1/04	Iron Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
10/1/04	11/1/04	Morpholine 1-D0F (CR3)	1-D0F	37.4							
10/1/04	11/1/04	Morpholine P-D0F (CR3)	P-D0F						NODI=9		
10/1/04	11/1/04	Number of Batches - IFE (CR3)	IFE				0	0			
10/1/04	11/1/04	Oil and Grease - D0F (CR3)	D0F							NODI=9	
10/1/04	11/1/04	Oil and Grease - CD and ECST D0F (CR3)	D0F	1.47		2.8					
10/1/04	11/1/04	Oil and Grease - IFE (CR3)	IFE						NODI=C	NODI=C	

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10/1/04	11/1/04	Oil and Grease - IFG (CR3)	IFG	1.62		5.4					
10/1/04	11/1/04	pH - Background - D0F (CR3)	D0F		7.18	7.88					
10/1/04	11/1/04	pH - Calc Limit - D0F (CR3)	D0F		6.5	8.5					
10/1/04	11/1/04	pH - Difference - D0F (CR3)	D0F		1.26	-0.52					
10/1/04	11/1/04	pH - Effluent - D0F (CR3)	D0F		7.65	7.98					
10/1/04	11/1/04	pH - IFE (CR3)	IFE							NODI=C	NODI=C
10/1/04	11/1/04	pH - IFG (CR3)	IFG		8.48	8.97					
10/1/04	11/1/04	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
10/1/04	11/1/04	Spectrus CT1300 - Clamtrol D0F (CR3)	D0F							NODI=B	
10/1/04	11/1/04	Temp Rise - D013 (CR3)	D013	12.4		14.3					
10/1/04	11/1/04	Temp-Discharge - D013 (CR3)	D013	91.6		95.4					
10/1/04	11/1/04	Temp-Intake - D013 (CR3)	D013	79.2		84.6					
10/1/04	11/1/04	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
10/1/04	11/1/04	Total Copper - IFG (CR3)	IFG							NODI=9	
10/1/04	11/1/04	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
10/1/04	11/1/04	Total Iron- IFG (CR3)	IFG							NODI=9	
10/1/04	11/1/04	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
10/1/04	11/1/04	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
10/1/04	11/1/04	TSS - Clamtrol - D0F (CR3)	D0F	73.1		107.5					
10/1/04	11/1/04	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
10/1/04	11/1/04	TSS - IFE (CR3)	IFE						NODI=C	NODI=C	
10/1/04	11/1/04	TSS - IFG (CR3)	IFG	10.55		19.3					
10/1/04	11/1/04	Turbidity - D0F (CR3)	D0F			28.7					
10/1/04	11/1/04	Turbidity - Effluent D0F (CR3)	D0F			11.5					
11/1/04	12/1/04	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
11/1/04	12/1/04	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
11/1/04	12/1/04	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9
11/1/04	12/1/04	96-Hour Mysidopsis Bahia Q-D0F (CR3)	Q-D0F								NODI=9
11/1/04	12/1/04	Ammonia 1-D0F (CR3)	1-D0F						NODI=9		
11/1/04	12/1/04	Ammonia P-D0F (CR3)	P-D0F						NODI=9		
11/1/04	12/1/04	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
11/1/04	12/1/04	Copper-trol - D013 (CR3)	D023						NODI=9	NODI=9	
11/1/04	12/1/04	Flow - IFE (CR3)	IFE				0	0			
11/1/04	12/1/04	Flow - IFG (CR3)	IFG				0.0178	0.0791			
11/1/04	12/1/04	Flow-CD System D0F (CR3)	D0F				0	0			

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11/1/04	12/1/04	Flow-ECST DOF (CR3)	DOF				0.00297	0.0151			
11/1/04	12/1/04	Flow-Intake - DOF (CR3)	DOF				15.87	20.88			
11/1/04	12/1/04	Hydrazine 1-DOF (CR3)	1-DOF						NODI=9		
11/1/04	12/1/04	Hydrazine P-DOF (CR3)	P-DOF						NODI=9		
11/1/04	12/1/04	Hydroquinone 1-DOF (CR3)	1-DOF						NODI=9		
11/1/04	12/1/04	Hydroquinone P-DOF (CR3)	P-DOF						NODI=9		
11/1/04	12/1/04	Iron Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
11/1/04	12/1/04	Morpholine 1-DOF (CR3)	1-DOF	36.8							
11/1/04	12/1/04	Morpholine P-DOF (CR3)	P-DOF						NODI=9		
11/1/04	12/1/04	Number of Batches - IFE (CR3)	IFE				0	0			
11/1/04	12/1/04	Oil and Grease - DOF (CR3)	DOF							NODI=9	
11/1/04	12/1/04	Oil and Grease - CD and ECST DOF (CR3)	DOF	1.89		4.4					
11/1/04	12/1/04	Oil and Grease - IFE (CR3)	IFE						NODI=C	NODI=C	
11/1/04	12/1/04	Oil and Grease - IFG (CR3)	IFG	0.98		2.7					
11/1/04	12/1/04	pH - Background - DOF (CR3)	DOF		7.57	7.96					
11/1/04	12/1/04	pH - Calc Limit - DOF (CR3)	DOF		6.57	8.5					
11/1/04	12/1/04	pH - Difference - DOF (CR3)	DOF		1.33	-0.41					
11/1/04	12/1/04	pH - Effluent - DOF (CR3)	DOF		7.9	8.09					
11/1/04	12/1/04	pH - IFE (CR3)	IFE							NODI=C	NODI=C
11/1/04	12/1/04	pH - IFG (CR3)	IFG		8.15	8.76					
11/1/04	12/1/04	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
11/1/04	12/1/04	Spectrus CT1300 - Clamtrol DOF (CR3)	DOF							NODI=B	
11/1/04	12/1/04	Temp Rise - D013 (CR3)	D013	14.2		15.5					
11/1/04	12/1/04	Temp-Discharge - D013 (CR3)	D013	86.2		95.7					
11/1/04	12/1/04	Temp-Intake - D013 (CR3)	D013	72		80.4					
11/1/04	12/1/04	Total Copper - DOF (CR3)	DOF						NODI=9	NODI=9	
11/1/04	12/1/04	Total Copper - IFG (CR3)	IFG							NODI=9	
11/1/04	12/1/04	Total Iron- DOF (CR3)	DOF						NODI=9	NODI=9	
11/1/04	12/1/04	Total Iron- IFG (CR3)	IFG							NODI=9	
11/1/04	12/1/04	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
11/1/04	12/1/04	TSS - CD and ECST DOF (CR3)	DOF						NODI=B	NODI=B	
11/1/04	12/1/04	TSS - Clamtrol - DOF (CR3)	DOF	55		69.2					
11/1/04	12/1/04	TSS - DOF (CR3)	DOF						NODI=9	NODI=9	
11/1/04	12/1/04	TSS - IFE (CR3)	IFE						NODI=C	NODI=C	
11/1/04	12/1/04	TSS - IFG (CR3)	IFG	19.52		36.6					

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11/1/04	12/1/04	Turbidity - DOF (CR3)	DOF			30.2					
11/1/04	12/1/04	Turbidity - Effluent DOF (CR3)	DOF			26.4					
12/1/04	1/1/05	96-Hour Menidia Beryllina P-DOF (CR3)	P-DOF								NODI=9
12/1/04	1/1/05	96-Hour Menidia Beryllina Q-DOF (CR3)	Q-DOF								NODI=9
12/1/04	1/1/05	96-Hour Mysidopsis Bahia P-DOF (CR3)	P-DOF								NODI=9
12/1/04	1/1/05	96-Hour Mysidopsis Bahia Q-DOF (CR3)	Q-DOF								NODI=9
12/1/04	1/1/05	Ammonia 1-DOF (CR3)	1-DOF						NODI=9		
12/1/04	1/1/05	Ammonia P-DOF (CR3)	P-DOF						NODI=9		
12/1/04	1/1/05	Copper Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
12/1/04	1/1/05	Copper-trol - D013 (CR3)	D024						NODI=9	NODI=9	
12/1/04	1/1/05	Flow - IFE (CR3)	IFE				0.000045	0.0014			
12/1/04	1/1/05	Flow - IFG (CR3)	IFG				0.0168	0.077			
12/1/04	1/1/05	Flow-CD System DOF (CR3)	DOF				0	0			
12/1/04	1/1/05	Flow-ECST DOF (CR3)	DOF				0.0024	0.015			
12/1/04	1/1/05	Flow-Intake - DOF (CR3)	DOF				15.71	18.2			
12/1/04	1/1/05	Hydrazine 1-DOF (CR3)	1-DOF						NODI=9		
12/1/04	1/1/05	Hydrazine P-DOF (CR3)	P-DOF						NODI=9		
12/1/04	1/1/05	Hydroquinone 1-DOF (CR3)	1-DOF						NODI=9		
12/1/04	1/1/05	Hydroquinone P-DOF (CR3)	P-DOF						NODI=9		
12/1/04	1/1/05	Iron Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
12/1/04	1/1/05	Morpholine 1-DOF (CR3)	1-DOF	36.3							
12/1/04	1/1/05	Morpholine P-DOF (CR3)	P-DOF						NODI=9		
12/1/04	1/1/05	Number of Batches - IFE (CR3)	IFE				1	1			
12/1/04	1/1/05	Oil and Grease - DOF (CR3)	DOF							NODI=9	
12/1/04	1/1/05	Oil and Grease - CD and ECST DOF (CR3)	DOF	2.65		6.9					
12/1/04	1/1/05	Oil and Grease - IFE (CR3)	IFE						0.4	0.4	
12/1/04	1/1/05	Oil and Grease - IFG (CR3)	IFG	3.91		7.5					
12/1/04	1/1/05	pH - Background - DOF (CR3)	DOF		7.8	8.03					
12/1/04	1/1/05	pH - Calc Limit - DOF (CR3)	DOF		6.8	8.5					
12/1/04	1/1/05	pH - Difference - DOF (CR3)	DOF		0.99	-0.4					
12/1/04	1/1/05	pH - Effluent - DOF (CR3)	DOF		7.79	8.1					
12/1/04	1/1/05	pH - IFE (CR3)	IFE		6.84	6.84					
12/1/04	1/1/05	pH - IFG (CR3)	IFG		8.03	8.73					
12/1/04	1/1/05	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
12/1/04	1/1/05	Spectrus CT1300 - Clamtrol DOF (CR3)	DOF							NODI=B	

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12/1/04	1/1/05	Temp Rise - D013 (CR3)	D013	14.7		16.1					
12/1/04	1/1/05	Temp-Discharge - D013 (CR3)	D013	75.3		86.4					
12/1/04	1/1/05	Temp-Intake - D013 (CR3)	D013	60.6		71					
12/1/04	1/1/05	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
12/1/04	1/1/05	Total Copper - IFG (CR3)	IFG							NODI=9	
12/1/04	1/1/05	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
12/1/04	1/1/05	Total Iron- IFG (CR3)	IFG							NODI=9	
12/1/04	1/1/05	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
12/1/04	1/1/05	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
12/1/04	1/1/05	TSS - Clamtrol - D0F (CR3)	D0F	46.3		46.3					
12/1/04	1/1/05	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
12/1/04	1/1/05	TSS - IFE (CR3)	IFE						NODI=B	NODI=B	
12/1/04	1/1/05	TSS - IFG (CR3)	IFG	5.03		7.2					
12/1/04	1/1/05	Turbidity - D0F (CR3)	D0F			19.6					
12/1/04	1/1/05	Turbidity - Effluent D0F (CR3)	D0F			13.2					
1/1/05	2/1/05	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
1/1/05	2/1/05	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
1/1/05	2/1/05	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9
1/1/05	2/1/05	96-Hour Mysidopsis Bahia Q-D0F (CR3)	Q-D0F								NODI=9
1/1/05	2/1/05	Ammonia 1-D0F (CR3)	1-D0F						NODI=9		
1/1/05	2/1/05	Ammonia P-D0F (CR3)	P-D0F						NODI=9		
1/1/05	2/1/05	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
1/1/05	2/1/05	Copper-trol - D013 (CR3)	D025						NODI=9	NODI=9	
1/1/05	2/1/05	Flow - IFE (CR3)	IFE				0	0			
1/1/05	2/1/05	Flow - IFG (CR3)	IFG				0.0189	0.081			
1/1/05	2/1/05	Flow-CD System D0F (CR3)	D0F				0	0			
1/1/05	2/1/05	Flow-ECST D0F (CR3)	D0F				0.000972	0.0152			
1/1/05	2/1/05	Flow-Intake - D0F (CR3)	D0F				15.58	16.41			
1/1/05	2/1/05	Hydrazine 1-D0F (CR3)	1-D0F						NODI=9		
1/1/05	2/1/05	Hydrazine P-D0F (CR3)	P-D0F						NODI=9		
1/1/05	2/1/05	Hydroquinone 1-D0F (CR3)	1-D0F						NODI=9		
1/1/05	2/1/05	Hydroquinone P-D0F (CR3)	P-D0F						NODI=9		
1/1/05	2/1/05	Iron Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
1/1/05	2/1/05	Morpholine 1-D0F (CR3)	1-D0F	33.3							
1/1/05	2/1/05	Morpholine P-D0F (CR3)	P-D0F						NODI=9		

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1/1/05	2/1/05	Number of Batches - IFE (CR3)	IFE				0	0			
1/1/05	2/1/05	Oil and Grease - D0F (CR3)	D0F							NODI=9	
1/1/05	2/1/05	Oil and Grease - CD and ECST D0F (CR3)	D0F	0.12		0.5					
1/1/05	2/1/05	Oil and Grease - IFE (CR3)	IFE						NODI=C	NODI=C	
1/1/05	2/1/05	Oil and Grease - IFG (CR3)	IFG	2.39		5.6					
1/1/05	2/1/05	pH - Background - D0F (CR3)	D0F		7.81	8.11					
1/1/05	2/1/05	pH - Calc Limit - D0F (CR3)	D0F		6.81	8.5					
1/1/05	2/1/05	pH - Difference - D0F (CR3)	D0F		1.02	-0.38					
1/1/05	2/1/05	pH - Effluent - D0F (CR3)	D0F		7.83	8.12					
1/1/05	2/1/05	pH - IFE (CR3)	IFE							NODI=C	NODI=C
1/1/05	2/1/05	pH - IFG (CR3)	IFG		8.33	8.95					
1/1/05	2/1/05	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
1/1/05	2/1/05	Spectrus CT1300 - Clamtrol D0F (CR3)	D0F							NODI=B	
1/1/05	2/1/05	Temp Rise - D013 (CR3)	D013	14.3		15.9					
1/1/05	2/1/05	Temp-Discharge - D013 (CR3)	D013	75.3		85.3					
1/1/05	2/1/05	Temp-Intake - D013 (CR3)	D013	60.9		69.5					
1/1/05	2/1/05	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
1/1/05	2/1/05	Total Copper - IFG (CR3)	IFG							NODI=9	
1/1/05	2/1/05	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
1/1/05	2/1/05	Total Iron- IFG (CR3)	IFG							NODI=9	
1/1/05	2/1/05	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
1/1/05	2/1/05	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
1/1/05	2/1/05	TSS - Clamtrol - D0F (CR3)	D0F	56.1		58.7					
1/1/05	2/1/05	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
1/1/05	2/1/05	TSS - IFE (CR3)	IFE						NODI=C	NODI=C	
1/1/05	2/1/05	TSS - IFG (CR3)	IFG	5.18		10.11					
1/1/05	2/1/05	Turbidity - D0F (CR3)	D0F			25.4					
1/1/05	2/1/05	Turbidity - Effluent D0F (CR3)	D0F			8.01					
2/1/05	3/1/05	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
2/1/05	3/1/05	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
2/1/05	3/1/05	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9
2/1/05	3/1/05	96-Hour Mysidopsis Bahia Q-D0F (CR3)	Q-D0F								NODI=9
2/1/05	3/1/05	Ammonia 1-D0F (CR3)	1-D0F						NODI=9		
2/1/05	3/1/05	Ammonia P-D0F (CR3)	P-D0F						NODI=9		
2/1/05	3/1/05	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	

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2/1/05	3/1/05	Copper-trol - D013 (CR3)	D026						NODI=9	NODI=9	
2/1/05	3/1/05	Flow - IFE (CR3)	IFE				0	0			
2/1/05	3/1/05	Flow - IFG (CR3)	IFG				0.0179	0.0791			
2/1/05	3/1/05	Flow-CD System D0F (CR3)	D0F				0	0			
2/1/05	3/1/05	Flow-ECST D0F (CR3)	D0F				0.00268	0.0152			
2/1/05	3/1/05	Flow-Intake - D0F (CR3)	D0F				15.7	18.65			
2/1/05	3/1/05	Hydrazine 1-D0F (CR3)	1-D0F						NODI=9		
2/1/05	3/1/05	Hydrazine P-D0F (CR3)	P-D0F						NODI=9		
2/1/05	3/1/05	Hydroquinone 1-D0F (CR3)	1-D0F						NODI=9		
2/1/05	3/1/05	Hydroquinone P-D0F (CR3)	P-D0F						NODI=9		
2/1/05	3/1/05	Iron Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
2/1/05	3/1/05	Morpholine 1-D0F (CR3)	1-D0F	29.3							
2/1/05	3/1/05	Morpholine P-D0F (CR3)	P-D0F						NODI=9		
2/1/05	3/1/05	Number of Batches - IFE (CR3)	IFE				0	0			
2/1/05	3/1/05	Oil and Grease - D0F (CR3)	D0F							NODI=9	
2/1/05	3/1/05	Oil and Grease - CD and ECST D0F (CR3)	D0F	1.11		4.1					
2/1/05	3/1/05	Oil and Grease - IFE (CR3)	IFE						NODI=C	NODI=C	
2/1/05	3/1/05	Oil and Grease - IFG (CR3)	IFG	2.41		11.2					
2/1/05	3/1/05	pH - Background - D0F (CR3)	D0F		6.83	8.08					
2/1/05	3/1/05	pH - Calc Limit - D0F (CR3)	D0F		6.83	8.5					
2/1/05	3/1/05	pH - Difference - D0F (CR3)	D0F		1.04	-0.42					
2/1/05	3/1/05	pH - Effluent - D0F (CR3)	D0F		7.87	8.14					
2/1/05	3/1/05	pH - IFE (CR3)	IFE							NODI=C	NODI=C
2/1/05	3/1/05	pH - IFG (CR3)	IFG		8.61	8.94					
2/1/05	3/1/05	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
2/1/05	3/1/05	Spectrus CT1300 - Clamtrol D0F (CR3)	D0F							NODI=B	
2/1/05	3/1/05	Temp Rise - D013 (CR3)	D013	13.5		15.1					
2/1/05	3/1/05	Temp-Discharge - D013 (CR3)	D013	75.3		81.3					
2/1/05	3/1/05	Temp-Intake - D013 (CR3)	D013	61.8		66.6					
2/1/05	3/1/05	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
2/1/05	3/1/05	Total Copper - IFG (CR3)	IFG							NODI=9	
2/1/05	3/1/05	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
2/1/05	3/1/05	Total Iron- IFG (CR3)	IFG							NODI=9	
2/1/05	3/1/05	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
2/1/05	3/1/05	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	

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2/1/05	3/1/05	TSS - Clamtrol - D0F (CR3)	D0F	40.2		47.3					
2/1/05	3/1/05	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
2/1/05	3/1/05	TSS - IFE (CR3)	IFE						NODI=C	NODI=C	
2/1/05	3/1/05	TSS - IFG (CR3)	IFG	9.21		23.21					
2/1/05	3/1/05	Turbidity - D0F (CR3)	D0F			15.5					
2/1/05	3/1/05	Turbidity - Effluent D0F (CR3)	D0F			3.82					
3/1/05	4/1/05	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
3/1/05	4/1/05	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
3/1/05	4/1/05	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9
3/1/05	4/1/05	96-Hour Mysidopsis Bahia Q-D0F (CR3)	Q-D0F								NODI=9
3/1/05	4/1/05	Ammonia 1-D0F (CR3)	1-D0F						NODI=9		
3/1/05	4/1/05	Ammonia P-D0F (CR3)	P-D0F						NODI=9		
3/1/05	4/1/05	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
3/1/05	4/1/05	Copper-trol - D013 (CR3)	D027						NODI=9	NODI=9	
3/1/05	4/1/05	Flow - IFE (CR3)	IFE				0	0			
3/1/05	4/1/05	Flow - IFG (CR3)	IFG				0.012	0.079			
3/1/05	4/1/05	Flow-CD System D0F (CR3)	D0F				0	0			
3/1/05	4/1/05	Flow-ECST D0F (CR3)	D0F				0.00049	0.0076			
3/1/05	4/1/05	Flow-Intake - D0F (CR3)	D0F				17.3	20.3			
3/1/05	4/1/05	Hydrazine 1-D0F (CR3)	1-D0F						NODI=9		
3/1/05	4/1/05	Hydrazine P-D0F (CR3)	P-D0F						NODI=9		
3/1/05	4/1/05	Hydroquinone 1-D0F (CR3)	1-D0F						NODI=9		
3/1/05	4/1/05	Hydroquinone P-D0F (CR3)	P-D0F						NODI=9		
3/1/05	4/1/05	Iron Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
3/1/05	4/1/05	Morpholine 1-D0F (CR3)	1-D0F	19.1							
3/1/05	4/1/05	Morpholine P-D0F (CR3)	P-D0F						NODI=9		
3/1/05	4/1/05	Number of Batches - IFE (CR3)	IFE				0	0			
3/1/05	4/1/05	Oil and Grease - D0F (CR3)	D0F							NODI=9	
3/1/05	4/1/05	Oil and Grease - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
3/1/05	4/1/05	Oil and Grease - IFE (CR3)	IFE						NODI=C	NODI=C	
3/1/05	4/1/05	Oil and Grease - IFG (CR3)	IFG	0.22		0.6					
3/1/05	4/1/05	pH - Background - D0F (CR3)	D0F		7.81	8					
3/1/05	4/1/05	pH - Calc Limit - D0F (CR3)	D0F		6.81	8.5					
3/1/05	4/1/05	pH - Difference - D0F (CR3)	D0F		0.94	-0.34					
3/1/05	4/1/05	pH - Effluent - D0F (CR3)	D0F		7.75	8.16					

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3/1/05	4/1/05	pH - IFE (CR3)	IFE							NODI=C	NODI=C
3/1/05	4/1/05	pH - IFG (CR3)	IFG		8.48	8.78					
3/1/05	4/1/05	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
3/1/05	4/1/05	Spectrus CT1300 - Clamtrol D0F (CR3)	D0F							NODI=B	
3/1/05	4/1/05	Temp Rise - D013 (CR3)	D013	14.5		15.9					
3/1/05	4/1/05	Temp-Discharge - D013 (CR3)	D013	80.3		88.9					
3/1/05	4/1/05	Temp-Intake - D013 (CR3)	D013	65.8		73.4					
3/1/05	4/1/05	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
3/1/05	4/1/05	Total Copper - IFG (CR3)	IFG							NODI=9	
3/1/05	4/1/05	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
3/1/05	4/1/05	Total Iron- IFG (CR3)	IFG							NODI=9	
3/1/05	4/1/05	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
3/1/05	4/1/05	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
3/1/05	4/1/05	TSS - Clamtrol - D0F (CR3)	D0F	53.2		70.7					
3/1/05	4/1/05	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
3/1/05	4/1/05	TSS - IFE (CR3)	IFE						NODI=C	NODI=C	
3/1/05	4/1/05	TSS - IFG (CR3)	IFG	6.82		10.62					
3/1/05	4/1/05	Turbidity - D0F (CR3)	D0F			21.9					
3/1/05	4/1/05	Turbidity - Effluent D0F (CR3)	D0F			14					
4/1/05	5/1/05	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
4/1/05	5/1/05	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
4/1/05	5/1/05	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9
4/1/05	5/1/05	96-Hour Mysidopsis Bahia Q-D0F (CR3)	Q-D0F								NODI=9
4/1/05	5/1/05	Ammonia 1-D0F (CR3)	1-D0F						NODI=9		
4/1/05	5/1/05	Ammonia P-D0F (CR3)	P-D0F						NODI=9		
4/1/05	5/1/05	Copper Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
4/1/05	5/1/05	Copper-trol - D013 (CR3)	D028						NODI=9	NODI=9	
4/1/05	5/1/05	Flow - IFE (CR3)	IFE				0.000048	0.00144			
4/1/05	5/1/05	Flow - IFG (CR3)	IFG				0.022	0.079			
4/1/05	5/1/05	Flow-CD System D0F (CR3)	D0F				0	0			
4/1/05	5/1/05	Flow-ECST D0F (CR3)	D0F				0.00202	0.0151			
4/1/05	5/1/05	Flow-Intake - D0F (CR3)	D0F				15.58	17.53			
4/1/05	5/1/05	Hydrazine 1-D0F (CR3)	1-D0F						NODI=9		
4/1/05	5/1/05	Hydrazine P-D0F (CR3)	P-D0F						NODI=9		
4/1/05	5/1/05	Hydroquinone 1-D0F (CR3)	1-D0F						NODI=9		

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4/1/05	5/1/05	Hydroquinone P-D0F (CR3)	P-D0F						NODI=9		
4/1/05	5/1/05	Iron Total Recov - D0F (CR3)	D0F						NODI=9	NODI=9	
4/1/05	5/1/05	Morpholine 1-D0F (CR3)	1-D0F	27.5							
4/1/05	5/1/05	Morpholine P-D0F (CR3)	P-D0F						NODI=9		
4/1/05	5/1/05	Number of Batches - IFE (CR3)	IFE				1	1			
4/1/05	5/1/05	Oil and Grease - D0F (CR3)	D0F							NODI=9	
4/1/05	5/1/05	Oil and Grease - CD and ECST D0F (CR3)	D0F	0.53		2.5					
4/1/05	5/1/05	Oil and Grease - IFE (CR3)	IFE						NODI=B	NODI=B	
4/1/05	5/1/05	Oil and Grease - IFG (CR3)	IFG	1.2		8.4					
4/1/05	5/1/05	pH - Background - D0F (CR3)	D0F		2.7	8.12					
4/1/05	5/1/05	pH - Calc Limit - D0F (CR3)	D0F		6.7	8.5					
4/1/05	5/1/05	pH - Difference - D0F (CR3)	D0F		1.1	-0.3					
4/1/05	5/1/05	pH - Effluent - D0F (CR3)	D0F		7.8	8.2					
4/1/05	5/1/05	pH - IFE (CR3)	IFE							6.74	6.74
4/1/05	5/1/05	pH - IFG (CR3)	IFG		8.47	8.87					
4/1/05	5/1/05	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
4/1/05	5/1/05	Spectrus CT1300 - Clamtrol D0F (CR3)	D0F							NODI=B	
4/1/05	5/1/05	Temp Rise - D013 (CR3)	D013	13.8		14.9					
4/1/05	5/1/05	Temp-Discharge - D013 (CR3)	D013	85.3		91.1					
4/1/05	5/1/05	Temp-Intake - D013 (CR3)	D013	71.5		75.3					
4/1/05	5/1/05	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
4/1/05	5/1/05	Total Copper - IFG (CR3)	IFG							NODI=9	
4/1/05	5/1/05	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
4/1/05	5/1/05	Total Iron- IFG (CR3)	IFG							NODI=9	
4/1/05	5/1/05	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
4/1/05	5/1/05	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
4/1/05	5/1/05	TSS - Clamtrol - D0F (CR3)	D0F	61.9		72.7					
4/1/05	5/1/05	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
4/1/05	5/1/05	TSS - IFE (CR3)	IFE						7.5	7.5	
4/1/05	5/1/05	TSS - IFG (CR3)	IFG	8.9		13.9					
4/1/05	5/1/05	Turbidity - D0F (CR3)	D0F			24.2					
4/1/05	5/1/05	Turbidity - Effluent D0F (CR3)	D0F			6.99					
5/1/05	6/1/05	96-Hour Menidia Beryllina P-D0F (CR3)	P-D0F								NODI=9
5/1/05	6/1/05	96-Hour Menidia Beryllina Q-D0F (CR3)	Q-D0F								NODI=9
5/1/05	6/1/05	96-Hour Mysidopsis Bahia P-D0F (CR3)	P-D0F								NODI=9

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5/1/05	6/1/05	96-Hour Mysidopsis Bahia Q-DOF (CR3)	Q-DOF								NODI=9
5/1/05	6/1/05	Ammonia 1-DOF (CR3)	1-DOF						NODI=9		
5/1/05	6/1/05	Ammonia P-DOF (CR3)	P-DOF						NODI=9		
5/1/05	6/1/05	Copper Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
5/1/05	6/1/05	Copper-trol - D013 (CR3)	D029						NODI=9	NODI=9	
5/1/05	6/1/05	Flow - IFE (CR3)	IFE				0	0			
5/1/05	6/1/05	Flow - IFG (CR3)	IFG				0.0155	0.07596			
5/1/05	6/1/05	Flow-CD System DOF (CR3)	DOF				0	0			
5/1/05	6/1/05	Flow-ECST DOF (CR3)	DOF				0.0012	0.0151			
5/1/05	6/1/05	Flow-Intake - DOF (CR3)	DOF				15.81	20			
5/1/05	6/1/05	Hydrazine 1-DOF (CR3)	1-DOF						NODI=9		
5/1/05	6/1/05	Hydrazine P-DOF (CR3)	P-DOF						NODI=9		
5/1/05	6/1/05	Hydroquinone 1-DOF (CR3)	1-DOF						NODI=9		
5/1/05	6/1/05	Hydroquinone P-DOF (CR3)	P-DOF						NODI=9		
5/1/05	6/1/05	Iron Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
5/1/05	6/1/05	Morpholine 1-DOF (CR3)	1-DOF	23.9							
5/1/05	6/1/05	Morpholine P-DOF (CR3)	P-DOF						NODI=9		
5/1/05	6/1/05	Number of Batches - IFE (CR3)	IFE				0	0			
5/1/05	6/1/05	Oil and Grease - DOF (CR3)	DOF							NODI=9	
5/1/05	6/1/05	Oil and Grease - CD and ECST DOF (CR3)	DOF	0.52		1					
5/1/05	6/1/05	Oil and Grease - IFE (CR3)	IFE						NODI=C	NODI=C	
5/1/05	6/1/05	Oil and Grease - IFG (CR3)	IFG	0.6		6.4					
5/1/05	6/1/05	pH - Background - DOF (CR3)	DOF		7.75	8.2					
5/1/05	6/1/05	pH - Calc Limit - DOF (CR3)	DOF		6.75	8.5					
5/1/05	6/1/05	pH - Difference - DOF (CR3)	DOF		1.22	-0.37					
5/1/05	6/1/05	pH - Effluent - DOF (CR3)	DOF		7.97	8.13					
5/1/05	6/1/05	pH - IFE (CR3)	IFE							NODI=C	NODI=C
5/1/05	6/1/05	pH - IFG (CR3)	IFG		8.43	8.79					
5/1/05	6/1/05	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
5/1/05	6/1/05	Spectrus CT1300 - Clamtrol DOF (CR3)	DOF							NODI=B	
5/1/05	6/1/05	Temp Rise - D013 (CR3)	D013	11.6		13.5					
5/1/05	6/1/05	Temp-Discharge - D013 (CR3)	D013	91		95.5					
5/1/05	6/1/05	Temp-Intake - D013 (CR3)	D013	79.4		85.5					
5/1/05	6/1/05	Total Copper - DOF (CR3)	DOF						NODI=9	NODI=9	
5/1/05	6/1/05	Total Copper - IFG (CR3)	IFG							NODI=9	

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5/1/05	6/1/05	Total Iron- DOF (CR3)	DOF						NODI=9	NODI=9	
5/1/05	6/1/05	Total Iron- IFG (CR3)	IFG							NODI=9	
5/1/05	6/1/05	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
5/1/05	6/1/05	TSS - CD and ECST DOF (CR3)	DOF						NODI=B	NODI=B	
5/1/05	6/1/05	TSS - Clamtrol - DOF (CR3)	DOF	46.5		48.6					
5/1/05	6/1/05	TSS - DOF (CR3)	DOF						NODI=9	NODI=9	
5/1/05	6/1/05	TSS - IFE (CR3)	IFE						NODI=C	NODI=C	
5/1/05	6/1/05	TSS - IFG (CR3)	IFG	7.59		11.86					
5/1/05	6/1/05	Turbidity - DOF (CR3)	DOF			14.5					
5/1/05	6/1/05	Turbidity - Effluent DOF (CR3)	DOF			9.55					
6/1/05	7/1/05	96-Hour Menidia Beryllina P-DOF (CR3)	P-DOF								NODI=9
6/1/05	7/1/05	96-Hour Menidia Beryllina Q-DOF (CR3)	Q-DOF								NODI=9
6/1/05	7/1/05	96-Hour Mysidopsis Bahia P-DOF (CR3)	P-DOF								NODI=9
6/1/05	7/1/05	96-Hour Mysidopsis Bahia Q-DOF (CR3)	Q-DOF								NODI=9
6/1/05	7/1/05	Ammonia 1-DOF (CR3)	1-DOF						NODI=9		
6/1/05	7/1/05	Ammonia P-DOF (CR3)	P-DOF						NODI=9		
6/1/05	7/1/05	Copper Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
6/1/05	7/1/05	Copper-trol - D013 (CR3)	D030						NODI=9	NODI=9	
6/1/05	7/1/05	Flow - IFE (CR3)	IFE				0	0			
6/1/05	7/1/05	Flow - IFG (CR3)	IFG				0.017	0.076			
6/1/05	7/1/05	Flow-CD System DOF (CR3)	DOF				0	0			
6/1/05	7/1/05	Flow-ECST DOF (CR3)	DOF				0.0036	0.016			
6/1/05	7/1/05	Flow-Intake - DOF (CR3)	DOF				15.97	18.1			
6/1/05	7/1/05	Hydrazine 1-DOF (CR3)	1-DOF						NODI=9		
6/1/05	7/1/05	Hydrazine P-DOF (CR3)	P-DOF						NODI=9		
6/1/05	7/1/05	Hydroquinone 1-DOF (CR3)	1-DOF						NODI=9		
6/1/05	7/1/05	Hydroquinone P-DOF (CR3)	P-DOF						NODI=9		
6/1/05	7/1/05	Iron Total Recov - DOF (CR3)	DOF						NODI=9	NODI=9	
6/1/05	7/1/05	Morpholine 1-DOF (CR3)	1-DOF	22.2							
6/1/05	7/1/05	Morpholine P-DOF (CR3)	P-DOF						NODI=9		
6/1/05	7/1/05	Number of Batches - IFE (CR3)	IFE				0	0			
6/1/05	7/1/05	Oil and Grease - DOF (CR3)	DOF							NODI=9	
6/1/05	7/1/05	Oil and Grease - CD and ECST DOF (CR3)	DOF	0.45		2					
6/1/05	7/1/05	Oil and Grease - IFE (CR3)	IFE						NODI=C	NODI=C	
6/1/05	7/1/05	Oil and Grease - IFG (CR3)	IFG	0.71		2.1					

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6/1/05	7/1/05	pH - Background - D0F (CR3)	D0F		8	8.24					
6/1/05	7/1/05	pH - Calc Limit - D0F (CR3)	D0F		7	8.5					
6/1/05	7/1/05	pH - Difference - D0F (CR3)	D0F		0.99	-0.32					
6/1/05	7/1/05	pH - Effluent - D0F (CR3)	D0F		7.99	8.28					
6/1/05	7/1/05	pH - IFE (CR3)	IFE							NODI=C	NODI=C
6/1/05	7/1/05	pH - IFG (CR3)	IFG		8.43	8.94					
6/1/05	7/1/05	Resid Ox - Time of Discharge D013 (CR3)	D013			0					
6/1/05	7/1/05	Spectrus CT1300 - Clamtrol D0F (CR3)	D0F							NODI=B	
6/1/05	7/1/05	Temp Rise - D013 (CR3)	D013	8.6		11.9					
6/1/05	7/1/05	Temp-Discharge - D013 (CR3)	D013	93.3		95.6					
6/1/05	7/1/05	Temp-Intake - D013 (CR3)	D013	84.7		89.6					
6/1/05	7/1/05	Total Copper - D0F (CR3)	D0F						NODI=9	NODI=9	
6/1/05	7/1/05	Total Copper - IFG (CR3)	IFG							NODI=9	
6/1/05	7/1/05	Total Iron- D0F (CR3)	D0F						NODI=9	NODI=9	
6/1/05	7/1/05	Total Iron- IFG (CR3)	IFG							NODI=9	
6/1/05	7/1/05	Total Residual Ox 1-D013 (CR3)	1-D013						NODI=9	NODI=9	
6/1/05	7/1/05	TSS - CD and ECST D0F (CR3)	D0F						NODI=B	NODI=B	
6/1/05	7/1/05	TSS - Clamtrol - D0F (CR3)	D0F	45.7		72					
6/1/05	7/1/05	TSS - D0F (CR3)	D0F						NODI=9	NODI=9	
6/1/05	7/1/05	TSS - IFE (CR3)	IFE						NODI=C	NODI=C	
6/1/05	7/1/05	TSS - IFG (CR3)	IFG	7		11					
6/1/05	7/1/05	Turbidity - D0F (CR3)	D0F			24					
6/1/05	7/1/05	Turbidity - Effluent D0F (CR3)	D0F			10.2					
7/1/05	7/31/05	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F		100						
7/1/05	7/31/05	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
7/1/05	7/31/05	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F		100						
7/1/05	7/31/05	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
7/1/05	7/31/05	Flow - I-0FE (CR3) v2	I-0FE				0.00009	0.0014			
7/1/05	7/31/05	Flow - I-0FG (CR3) v2	I-0FG				0.02	0.08			
7/1/05	7/31/05	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
7/1/05	7/31/05	Flow-ECST D-00F (CR3) v2	D-00F				0.0032	0.015			
7/1/05	7/31/05	Flow-Intake - D-00F (CR3) v2	D-00F				15.7	18.8			
7/1/05	8/1/05	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
7/1/05	8/1/05	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/05	8/1/05	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI-9		

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7/1/05	8/1/05	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/05	8/1/05	Morpholine 1-D-00F (CR3) v2	1-D-00F	18.6							
7/1/05	8/1/05	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/05	7/31/05	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
7/1/05	7/31/05	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
7/1/05	7/31/05	Oil and Grease - I-0FE (CR3) v2	I-0FE	1.32		2.6					
7/1/05	7/31/05	Oil and Grease - I-0FG (CR3) v2	I-0FG	0.77		2.7					
7/1/05	7/31/05	pH - Background - D-00F (CR3) v2	D-00F		7.87	8.26					
7/1/05	7/31/05	pH - Calc Limit - D-00F (CR3) v2	D-00F		6.87	8.5					
7/1/05	7/31/05	pH - Difference - D-00F (CR3) v2	D-00F		1.14	-0.34					
7/1/05	7/31/05	pH - Effluent - D-00F (CR3) v2	D-00F		8.01	8.31					
7/1/05	7/31/05	pH - I-0FE (CR3) v2	I-0FE		7.01	7.35					
7/1/05	7/31/05	pH - I-0FG (CR3) v2	I-0FG		8.61	8.99					
7/1/05	7/31/05	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
7/1/05	8/1/05	Spectrus CT1300 - D-00F (CR3) v2	D-00F			2.3					
7/1/05	8/1/05	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
7/1/05	8/1/05	Spectrus CT1300 - D00F (CR3) v2a	D00F			1.5					
7/1/05	7/31/05	Temp Rise - D013 (CR3) v2	D013	7.2		10.4					
7/1/05	7/31/05	Temp-Discharge - D013 (CR3) v2	D013	94.3		96					
7/1/05	7/31/05	Temp-Intake - D013 (CR3) v2	D013	87.1		90.4					
7/1/05	8/1/05	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
7/1/05	8/1/05	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/05	8/1/05	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
7/1/05	7/31/05	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
7/1/05	8/1/05	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
7/1/05	7/31/05	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
7/1/05	8/1/05	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
7/1/05	8/1/05	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
7/1/05	7/31/05	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
7/1/05	8/1/05	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
7/1/05	7/31/05	TSS - I-0FE (CR3) v2	I-0FE	2.7		5.4					
7/1/05	7/31/05	TSS - I-0FG (CR3) v2	I-0FG	7.2		14.6					
7/1/05	8/1/05	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
7/1/05	8/1/05	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
7/1/05	8/1/05	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	

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7/1/05	8/1/05	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
7/1/05	8/1/05	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
7/1/05	8/1/05	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
7/31/05	8/31/05	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
7/31/05	8/31/05	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
7/31/05	8/31/05	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
7/31/05	8/31/05	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
7/31/05	8/31/05	Flow - I-0FE (CR3) v2	I-0FE				0	0			
7/31/05	8/31/05	Flow - I-0FG (CR3) v2	I-0FG				0.02	0.07			
7/31/05	8/31/05	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
7/31/05	8/31/05	Flow-ECST D-00F (CR3) v2	D-00F				0.003	0.015			
7/31/05	8/31/05	Flow-Intake - D-00F (CR3) v2	D-00F				15.68	18.38			
7/31/05	8/31/05	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
7/31/05	8/31/05	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
7/31/05	8/31/05	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
7/31/05	8/31/05	Oil and Grease - I-0FG (CR3) v2	I-0FG	0.86		2.7					
7/31/05	8/31/05	pH - Background - D-00F (CR3) v2	D-00F		7.85	8.31					
7/31/05	8/31/05	pH - Calc Limit - D-00F (CR3) v2	D-00F		6.85	8.5					
7/31/05	8/31/05	pH - Difference - D-00F (CR3) v2	D-00F		1.16	-0.22					
7/31/05	8/31/05	pH - Effluent - D-00F (CR3) v2	D-00F		8.01	8.38					
7/31/05	8/31/05	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
7/31/05	8/31/05	pH - I-0FG (CR3) v2	I-0FG		8.05	8.85					
7/31/05	8/31/05	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
7/31/05	8/31/05	Temp Rise - D013 (CR3) v2	D013	6.6		9.7					
7/31/05	8/31/05	Temp-Discharge - D013 (CR3) v2	D013	94.6		96.1					
7/31/05	8/31/05	Temp-Intake - D013 (CR3) v2	D013	88		90.8					
7/31/05	8/31/05	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
7/31/05	8/31/05	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
7/31/05	8/31/05	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
7/31/05	8/31/05	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
7/31/05	8/31/05	TSS - I-0FG (CR3) v2	I-0FG	3.1		10.3					
8/1/05	9/1/05	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
8/1/05	9/1/05	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
8/1/05	9/1/05	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
8/1/05	9/1/05	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		

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8/1/05	9/1/05	Morpholine 1-D-00F (CR3) v2	1-D-00F	15.8							
8/1/05	9/1/05	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
8/1/05	9/1/05	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					
8/1/05	9/1/05	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
8/1/05	9/1/05	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
8/1/05	9/1/05	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
8/1/05	9/1/05	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
8/1/05	9/1/05	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
8/1/05	9/1/05	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
8/1/05	9/1/05	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
8/1/05	9/1/05	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
8/1/05	9/1/05	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
8/1/05	9/1/05	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
8/1/05	9/1/05	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
8/1/05	9/1/05	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
8/1/05	9/1/05	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
8/31/05	10/1/05	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100%
8/31/05	10/1/05	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
8/31/05	10/1/05	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100%
8/31/05	10/1/05	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
8/31/05	10/1/05	Flow - I-0FE (CR3) v2	I-0FE				0	0			
8/31/05	10/1/05	Flow - I-0FG (CR3) v2	I-0FG				0.024	0.075			
8/31/05	10/1/05	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
8/31/05	10/1/05	Flow-ECST D-00F (CR3) v2	D-00F				0.004	0.015			
8/31/05	10/1/05	Flow-Intake - D-00F (CR3) v2	D-00F				17.5	24.57			
8/31/05	10/1/05	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
8/31/05	10/1/05	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
8/31/05	10/1/05	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
8/31/05	10/1/05	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.43		4.9					
8/31/05	10/1/05	pH - Background - D-00F (CR3) v2	D-00F		7.74	8.25					
8/31/05	10/1/05	pH - Calc Limit - D-00F (CR3) v2	D-00F			8.5					
8/31/05	10/1/05	pH - Difference - D-00F (CR3) v2	D-00F		0.93	-0.28					
8/31/05	10/1/05	pH - Effluent - D-00F (CR3) v2	D-00F		7.78	8.22					
8/31/05	10/1/05	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
8/31/05	10/1/05	pH - I-0FG (CR3) v2	I-0FG		8.64	8.96					

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8/31/05	10/1/05	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
8/31/05	10/1/05	Temp Rise - D013 (CR3) v2	D013	9.5		12.5					
8/31/05	10/1/05	Temp-Discharge - D013 (CR3) v2	D013	93		95.6					
8/31/05	10/1/05	Temp-Intake - D013 (CR3) v2	D013	83.6		86.2					
8/31/05	10/1/05	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
8/31/05	10/1/05	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
8/31/05	10/1/05	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
8/31/05	10/1/05	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
8/31/05	10/1/05	TSS - I-0FG (CR3) v2	I-0FG	2.6		8.5					
9/1/05	10/1/05	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
9/1/05	10/1/05	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/05	10/1/05	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
9/1/05	10/1/05	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/05	10/1/05	Morpholine 1-D-00F (CR3) v2	1-D-00F	15.9							
9/1/05	10/1/05	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/05	10/1/05	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
9/1/05	10/1/05	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
9/1/05	10/1/05	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/05	10/1/05	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
9/1/05	10/1/05	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
9/1/05	10/1/05	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
9/1/05	10/1/05	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
9/1/05	10/1/05	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
9/1/05	10/1/05	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
9/1/05	10/1/05	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
9/1/05	10/1/05	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
9/1/05	10/1/05	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
9/1/05	10/1/05	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
9/1/05	10/1/05	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
10/1/05	11/1/05	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
10/1/05	11/1/05	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
10/1/05	11/1/05	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
10/1/05	11/1/05	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
10/1/05	11/1/05	Flow - I-0FE (CR3) v2	I-0FE				0.0005	0.0015			
10/1/05	11/1/05	Flow - I-0FG (CR3) v2	I-0FG				0.021	0.079			

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10/1/05	11/1/05	Flow-CD System D-00F (CR3) v2	D-00F				0.12	0.38			
10/1/05	11/1/05	Flow-ECST D-00F (CR3) v2	D-00F				0.005	0.015			
10/1/05	11/1/05	Flow-Intake - D-00F (CR3) v2	D-00F				17.1	29.52			
10/1/05	11/1/05	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
10/1/05	11/1/05	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/05	11/1/05	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
10/1/05	11/1/05	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/05	11/1/05	Morpholine 1-D-00F (CR3) v2	1-D-00F	25.71							
10/1/05	11/1/05	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/05	11/1/05	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
10/1/05	11/1/05	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
10/1/05	11/1/05	Oil and Grease - I-0FE (CR3) v2	I-0FE	2.3		2.3					
10/1/05	11/1/05	Oil and Grease - I-0FG (CR3) v2	I-0FG	3.19		6.2					
10/1/05	11/1/05	pH - Background - D-00F (CR3) v2	D-00F		7.92	8.16					
10/1/05	11/1/05	pH - Effluent - D-00F (CR3) v2	D-00F		7.91	8.24					
10/1/05	11/1/05	pH - I-0FE (CR3) v2	I-0FE		6.74	6.74					
10/1/05	11/1/05	pH - I-0FG (CR3) v2	I-0FG		8.39	8.9					
10/1/05	11/1/05	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
10/1/05	11/1/05	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
10/1/05	11/1/05	Temp Rise - D013 (CR3) v2	D013	12.3		15.9					
10/1/05	11/1/05	Temp-Discharge - D013 (CR3) v2	D013	89.5		95.5					
10/1/05	11/1/05	Temp-Intake - D013 (CR3) v2	D013	77.1		84.3					
10/1/05	11/1/05	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
10/1/05	11/1/05	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/05	11/1/05	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
10/1/05	11/1/05	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
10/1/05	11/1/05	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
10/1/05	11/1/05	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
10/1/05	11/1/05	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
10/1/05	11/1/05	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
10/1/05	11/1/05	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
10/1/05	11/1/05	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
10/1/05	11/1/05	TSS - I-0FE (CR3) v2	I-0FE	0.3		0.3					
10/1/05	11/1/05	TSS - I-0FG (CR3) v2	I-0FG	17.59		32.6					
10/1/05	11/1/05	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	

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10/1/05	11/1/05	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
10/1/05	11/1/05	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
10/1/05	11/1/05	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
10/1/05	11/1/05	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
10/1/05	11/1/05	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
11/1/05	12/1/05	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
11/1/05	12/1/05	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
11/1/05	12/1/05	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
11/1/05	12/1/05	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
11/1/05	12/1/05	Flow - I-0FE (CR3) v2	I-0FE				0.00005	0.0014			
11/1/05	12/1/05	Flow - I-0FG (CR3) v2	I-0FG				0.005	0.8			
11/1/05	12/1/05	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
11/1/05	12/1/05	Flow-ECST D-00F (CR3) v2	D-00F				0.001	0.015			
11/1/05	12/1/05	Flow-Intake - D-00F (CR3) v2	D-00F				25.66	43.49			
11/1/05	12/1/05	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
11/1/05	12/1/05	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
11/1/05	12/1/05	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
11/1/05	12/1/05	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
11/1/05	12/1/05	Morpholine 1-D-00F (CR3) v2	1-D-00F	9.34							
11/1/05	12/1/05	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
11/1/05	12/1/05	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
11/1/05	12/1/05	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
11/1/05	12/1/05	Oil and Grease - I-0FE (CR3) v2	I-0FE	4		4					
11/1/05	12/1/05	Oil and Grease - I-0FG (CR3) v2	I-0FG	6.2		6.3					
11/1/05	12/1/05	pH - Background - D-00F (CR3) v2	D-00F		7.97	8.1					
11/1/05	12/1/05	pH - Effluent - D-00F (CR3) v2	D-00F		7.97	8.1					
11/1/05	12/1/05	pH - I-0FE (CR3) v2	I-0FE		7.29	7.29					
11/1/05	12/1/05	pH - I-0FG (CR3) v2	I-0FG		8.25	8.58					
11/1/05	12/1/05	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
11/1/05	12/1/05	Spectrus CT1300 - D00F (CR3) v2	D00F							NOD	
11/1/05	12/1/05	Temp Rise - D013 (CR3) v2	D013	9.1		15.3					
11/1/05	12/1/05	Temp-Discharge - D013 (CR3) v2	D013	76.9		88.5					
11/1/05	12/1/05	Temp-Intake - D013 (CR3) v2	D013	67.9		73.6					
11/1/05	12/1/05	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
11/1/05	12/1/05	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
11/1/05	12/1/05	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
11/1/05	12/1/05	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
11/1/05	12/1/05	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
11/1/05	12/1/05	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
11/1/05	12/1/05	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
11/1/05	12/1/05	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
11/1/05	12/1/05	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
11/1/05	12/1/05	TSS - CD and ECST D-00F (CR3) v2	D-00F			4.2			NODI=B		
11/1/05	12/1/05	TSS - I-0FE (CR3) v2	I-0FE	3		3					
11/1/05	12/1/05	TSS - I-0FG (CR3) v2	I-0FG	9.4		12.6					
11/1/05	12/1/05	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
11/1/05	12/1/05	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
11/1/05	12/1/05	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
11/1/05	12/1/05	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
11/1/05	12/1/05	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
11/1/05	12/1/05	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
12/1/05	1/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100%
12/1/05	1/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
12/1/05	1/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100%
12/1/05	1/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
12/1/05	1/1/06	Flow - I-0FE (CR3) v2	I-0FE				0	0			
12/1/05	1/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.015	0.081			
12/1/05	1/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0.013	0.42			
12/1/05	1/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.002	0.015			
12/1/05	1/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				21.52	43.4			
12/1/05	1/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
12/1/05	1/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/05	1/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
12/1/05	1/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/05	1/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	57.81							
12/1/05	1/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/05	1/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
12/1/05	1/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=E	
12/1/05	1/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
12/1/05	1/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG	6.51		12.3					

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12/1/05	1/1/06	pH - Background - D-00F (CR3) v2	D-00F		7.91	8.12					
12/1/05	1/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		7.99	8.18					
12/1/05	1/1/06	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
12/1/05	1/1/06	pH - I-0FG (CR3) v2	I-0FG		7.72	8.83					
12/1/05	1/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
12/1/05	1/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.13					
12/1/05	1/1/06	Temp Rise - D013 (CR3) v2	D013	12.5		17.2					
12/1/05	1/1/06	Temp-Discharge - D013 (CR3) v2	D013	70.9		77.5					
12/1/05	1/1/06	Temp-Intake - D013 (CR3) v2	D013	58.3		64.8					
12/1/05	1/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
12/1/05	1/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/05	1/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
12/1/05	1/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
12/1/05	1/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
12/1/05	1/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
12/1/05	1/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
12/1/05	1/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
12/1/05	1/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
12/1/05	1/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F			9.3			NODI=B		
12/1/05	1/1/06	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
12/1/05	1/1/06	TSS - I-0FG (CR3) v2	I-0FG	8.4		10					
12/1/05	1/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
12/1/05	1/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
12/1/05	1/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
12/1/05	1/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
12/1/05	1/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
12/1/05	1/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
1/1/06	2/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
1/1/06	2/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
1/1/06	2/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
1/1/06	2/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
1/1/06	2/1/06	Flow - I-0FE (CR3) v2	I-0FE				0.00007	0.0015			
1/1/06	2/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.013	0.078			
1/1/06	2/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0.023	0.7			
1/1/06	2/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.002	0.015			

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1/1/06	2/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				18.32	29.52			
1/1/06	2/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
1/1/06	2/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
1/1/06	2/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
1/1/06	2/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
1/1/06	2/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	57.98							
1/1/06	2/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
1/1/06	2/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
1/1/06	2/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
1/1/06	2/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE			5.5			NODI=B		
1/1/06	2/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.97		3.37					
1/1/06	2/1/06	pH - Background - D-00F (CR3) v2	D-00F		7.91	8.12					
1/1/06	2/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		8.06	8.2					
1/1/06	2/1/06	pH - I-0FE (CR3) v2	I-0FE		6.95	7.08					
1/1/06	2/1/06	pH - I-0FG (CR3) v2	I-0FG		8.52	8.9					
1/1/06	2/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
1/1/06	2/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
1/1/06	2/1/06	Temp Rise - D013 (CR3) v2	D013	14.2		17.8					
1/1/06	2/1/06	Temp-Discharge - D013 (CR3) v2	D013	73.8		81.3					
1/1/06	2/1/06	Temp-Intake - D013 (CR3) v2	D013	59.8		66.4					
1/1/06	2/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
1/1/06	2/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
1/1/06	2/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
1/1/06	2/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
1/1/06	2/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
1/1/06	2/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
1/1/06	2/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
1/1/06	2/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
1/1/06	2/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
1/1/06	2/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
1/1/06	2/1/06	TSS - I-0FE (CR3) v2	I-0FE	3.3		3.9					
1/1/06	2/1/06	TSS - I-0FG (CR3) v2	I-0FG	8.57		16.3					
1/1/06	2/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
1/1/06	2/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
1/1/06	2/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	

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Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
1/1/06	2/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
1/1/06	2/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
1/1/06	2/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
2/1/06	3/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
2/1/06	3/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
2/1/06	3/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=H
2/1/06	3/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
2/1/06	3/1/06	Flow - I-0FE (CR3) v2	I-0FE				0	0			
2/1/06	3/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.014	0.075			
2/1/06	3/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
2/1/06	3/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.003	0.015			
2/1/06	3/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				15.82	29.5			
2/1/06	3/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
2/1/06	3/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
2/1/06	3/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
2/1/06	3/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
2/1/06	3/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	41.93							
2/1/06	3/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
2/1/06	3/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
2/1/06	3/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
2/1/06	3/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
2/1/06	3/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG	3.07		6.5					
2/1/06	3/1/06	pH - Background - D-00F (CR3) v2	D-00F		7.96	8.17					
2/1/06	3/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		8.06	8.18					
2/1/06	3/1/06	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
2/1/06	3/1/06	pH - I-0FG (CR3) v2	I-0FG		8.55	8.75					
2/1/06	3/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
2/1/06	3/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.15					
2/1/06	3/1/06	Temp Rise - D013 (CR3) v2	D013	15.6		17					
2/1/06	3/1/06	Temp-Discharge - D013 (CR3) v2	D013	75.2		83.4					
2/1/06	3/1/06	Temp-Intake - D013 (CR3) v2	D013	59.6		66.1					
2/1/06	3/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
2/1/06	3/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
2/1/06	3/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
2/1/06	3/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
2/1/06	3/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
2/1/06	3/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
2/1/06	3/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
2/1/06	3/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
2/1/06	3/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
2/1/06	3/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
2/1/06	3/1/06	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
2/1/06	3/1/06	TSS - I-0FG (CR3) v2	I-0FG	6.71		20					
2/1/06	3/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
2/1/06	3/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
2/1/06	3/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
2/1/06	3/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
2/1/06	3/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
2/1/06	3/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
3/1/06	4/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
3/1/06	4/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
3/1/06	4/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
3/1/06	4/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
3/1/06	4/1/06	Flow - I-0FE (CR3) v2	I-0FE				0.00002	0.0007			
3/1/06	4/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.0045	0.0728			
3/1/06	4/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0.0043	1.2487			
3/1/06	4/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.0015	0.0078			
3/1/06	4/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				19.92	29.52			
3/1/06	4/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
3/1/06	4/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
3/1/06	4/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
3/1/06	4/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
3/1/06	4/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	30.8							
3/1/06	4/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
3/1/06	4/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
3/1/06	4/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
3/1/06	4/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE	2.12		2.12					
3/1/06	4/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG	2.43		2.5					
3/1/06	4/1/06	pH - Background - D-00F (CR3) v2	D-00F		8.16	8.17					
3/1/06	4/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		8.08	8.17					

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3/1/06	4/1/06	pH - I-0FE (CR3) v2	I-0FE		6.77	6.77					
3/1/06	4/1/06	pH - I-0FG (CR3) v2	I-0FG		8.48	8.55					
3/1/06	4/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
3/1/06	4/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
3/1/06	4/1/06	Temp Rise - D013 (CR3) v2	D013	13.4		17.1					
3/1/06	4/1/06	Temp-Discharge - D013 (CR3) v2	D013	80.3		89.9					
3/1/06	4/1/06	Temp-Intake - D013 (CR3) v2	D013	67		72.9					
3/1/06	4/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
3/1/06	4/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
3/1/06	4/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
3/1/06	4/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
3/1/06	4/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
3/1/06	4/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
3/1/06	4/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
3/1/06	4/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
3/1/06	4/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
3/1/06	4/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
3/1/06	4/1/06	TSS - I-0FE (CR3) v2	I-0FE	11.3		11.3					
3/1/06	4/1/06	TSS - I-0FG (CR3) v2	I-0FG	4.97		9.3					
3/1/06	4/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
3/1/06	4/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
3/1/06	4/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
3/1/06	4/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
3/1/06	4/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
3/1/06	4/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
4/1/06	5/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
4/1/06	5/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
4/1/06	5/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
4/1/06	5/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
4/1/06	5/1/06	Flow - I-0FE (CR3) v2	I-0FE				0	0			
4/1/06	5/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.0203	0.0807			
4/1/06	5/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
4/1/06	5/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.045	0.0153			
4/1/06	5/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				16.53	31.3			
4/1/06	5/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		

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4/1/06	5/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
4/1/06	5/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
4/1/06	5/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
4/1/06	5/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	28.9							
4/1/06	5/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
4/1/06	5/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
4/1/06	5/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
4/1/06	5/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
4/1/06	5/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG						NODI=B	NODI=B	
4/1/06	5/1/06	pH - Background - D-00F (CR3) v2	D-00F		7.89	8.17					
4/1/06	5/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		7.89	8.18					
4/1/06	5/1/06	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
4/1/06	5/1/06	pH - I-0FG (CR3) v2	I-0FG		8.48	8.96					
4/1/06	5/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
4/1/06	5/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.35					
4/1/06	5/1/06	Temp Rise - D013 (CR3) v2	D013	14.4		16.7					
4/1/06	5/1/06	Temp-Discharge - D013 (CR3) v2	D013	89.3		95.7					
4/1/06	5/1/06	Temp-Intake - D013 (CR3) v2	D013	74.9		81.7					
4/1/06	5/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
4/1/06	5/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
4/1/06	5/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
4/1/06	5/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
4/1/06	5/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
4/1/06	5/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
4/1/06	5/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
4/1/06	5/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
4/1/06	5/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
4/1/06	5/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
4/1/06	5/1/06	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
4/1/06	5/1/06	TSS - I-0FG (CR3) v2	I-0FG	6.93		11.8					
4/1/06	5/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
4/1/06	5/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
4/1/06	5/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
4/1/06	5/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
4/1/06	5/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	

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4/1/06	5/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
5/1/06	6/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=E
5/1/06	6/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=E
5/1/06	6/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=E
5/1/06	6/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=E
5/1/06	6/1/06	Flow - I-0FE (CR3) v2	I-0FE				0.000023	0.00071			
5/1/06	6/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.00255	0.0791			
5/1/06	6/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
5/1/06	6/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.000245	0.00759			
5/1/06	6/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				15.58	20.3			
5/1/06	6/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
5/1/06	6/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
5/1/06	6/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
5/1/06	6/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
5/1/06	6/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	43.58							
5/1/06	6/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
5/1/06	6/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
5/1/06	6/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
5/1/06	6/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE	4		4					
5/1/06	6/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG	0.69		3.37					
5/1/06	6/1/06	pH - Background - D-00F (CR3) v2	D-00F		7.99	8.12					
5/1/06	6/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		7.99	8.27					
5/1/06	6/1/06	pH - I-0FE (CR3) v2	I-0FE		6.53	6.53					
5/1/06	6/1/06	pH - I-0FG (CR3) v2	I-0FG		8.76	8.93					
5/1/06	6/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
5/1/06	6/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					
5/1/06	6/1/06	Temp Rise - D013 (CR3) v2	D013	13.4		15.2					
5/1/06	6/1/06	Temp-Discharge - D013 (CR3) v2	D013	91.8		96.1					
5/1/06	6/1/06	Temp-Intake - D013 (CR3) v2	D013	78.4		84.3					
5/1/06	6/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
5/1/06	6/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
5/1/06	6/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
5/1/06	6/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
5/1/06	6/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
5/1/06	6/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	

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5/1/06	6/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
5/1/06	6/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
5/1/06	6/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
5/1/06	6/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
5/1/06	6/1/06	TSS - I-0FE (CR3) v2	I-0FE	29		29					
5/1/06	6/1/06	TSS - I-0FG (CR3) v2	I-0FG	12.72		24					
5/1/06	6/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
5/1/06	6/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
5/1/06	6/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
5/1/06	6/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
5/1/06	6/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
5/1/06	6/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
6/1/06	7/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
6/1/06	7/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
6/1/06	7/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
6/1/06	7/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
6/1/06	7/1/06	Flow - I-0FE (CR3) v2	I-0FE				0	0			
6/1/06	7/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.0122	0.074814			
6/1/06	7/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
6/1/06	7/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.0015	0.01495			
6/1/06	7/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				15.91	34.27			
6/1/06	7/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
6/1/06	7/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
6/1/06	7/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
6/1/06	7/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
6/1/06	7/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	38.35							
6/1/06	7/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
6/1/06	7/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
6/1/06	7/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
6/1/06	7/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
6/1/06	7/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG	0.85		2					
6/1/06	7/1/06	pH - Background - D-00F (CR3) v2	D-00F		7.66	8.12					
6/1/06	7/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		7.94	8.12					
6/1/06	7/1/06	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
6/1/06	7/1/06	pH - I-0FG (CR3) v2	I-0FG		8.38	8.46					

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6/1/06	7/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
6/1/06	7/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					
6/1/06	7/1/06	Temp Rise - D013 (CR3) v2	D013	9.8		13.3					
6/1/06	7/1/06	Temp-Discharge - D013 (CR3) v2	D013	93		95.9					
6/1/06	7/1/06	Temp-Intake - D013 (CR3) v2	D013	83.2		87.4					
6/1/06	7/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
6/1/06	7/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
6/1/06	7/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
6/1/06	7/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
6/1/06	7/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
6/1/06	7/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
6/1/06	7/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
6/1/06	7/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
6/1/06	7/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
6/1/06	7/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
6/1/06	7/1/06	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
6/1/06	7/1/06	TSS - I-0FG (CR3) v2	I-0FG	9.87		17.7					
6/1/06	7/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
6/1/06	7/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
6/1/06	7/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
6/1/06	7/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
6/1/06	7/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
6/1/06	7/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
7/1/06	8/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
7/1/06	8/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
7/1/06	8/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
7/1/06	8/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
7/1/06	8/1/06	Flow - I-0FE (CR3) v2	I-0FE				0	0			
7/1/06	8/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.01365	0.07802			
7/1/06	8/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
7/1/06	8/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.00192	0.014906			
7/1/06	8/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				15.65	29.52			
7/1/06	8/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
7/1/06	8/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/06	8/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		

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7/1/06	8/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/06	8/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	43.83							
7/1/06	8/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/06	8/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
7/1/06	8/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
7/1/06	8/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
7/1/06	8/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG	0.85		1.75					
7/1/06	8/1/06	pH - Background - D-00F (CR3) v2	D-00F		7.88	8.34					
7/1/06	8/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		7.93	8.34					
7/1/06	8/1/06	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
7/1/06	8/1/06	pH - I-0FG (CR3) v2	I-0FG		8.31	8.71					
7/1/06	8/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
7/1/06	8/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.2					
7/1/06	8/1/06	Temp Rise - D013 (CR3) v2	D013	7.4		9.1					
7/1/06	8/1/06	Temp-Discharge - D013 (CR3) v2	D013	93.8		96					
7/1/06	8/1/06	Temp-Intake - D013 (CR3) v2	D013	86.4		89.4					
7/1/06	8/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
7/1/06	8/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/06	8/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9		
7/1/06	8/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
7/1/06	8/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
7/1/06	8/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
7/1/06	8/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
7/1/06	8/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
7/1/06	8/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
7/1/06	8/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
7/1/06	8/1/06	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
7/1/06	8/1/06	TSS - I-0FG (CR3) v2	I-0FG	7.61		12.7					
7/1/06	8/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
7/1/06	8/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
7/1/06	8/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
7/1/06	8/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
7/1/06	8/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
7/1/06	8/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
8/1/06	9/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9

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8/1/06	9/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
8/1/06	9/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
8/1/06	9/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
8/1/06	9/1/06	Flow - I-0FE (CR3) v2	I-0FE				0	0			
8/1/06	9/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.010757	0.076952			
8/1/06	9/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0.017798	0.551746			
8/1/06	9/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.001858	0.0147			
8/1/06	9/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				18.15	43.49			
8/1/06	9/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
8/1/06	9/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
8/1/06	9/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
8/1/06	9/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
8/1/06	9/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	27.6							
8/1/06	9/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
8/1/06	9/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
8/1/06	9/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
8/1/06	9/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
8/1/06	9/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG	2.13		4					
8/1/06	9/1/06	pH - Background - D-00F (CR3) v2	D-00F		8.1	8.36					
8/1/06	9/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		8.1	8.26					
8/1/06	9/1/06	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
8/1/06	9/1/06	pH - I-0FG (CR3) v2	I-0FG		8.26	8.86					
8/1/06	9/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
8/1/06	9/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					
8/1/06	9/1/06	Temp Rise - D013 (CR3) v2	D013	6.4		8.4					
8/1/06	9/1/06	Temp-Discharge - D013 (CR3) v2	D013	93.8		96.3					
8/1/06	9/1/06	Temp-Intake - D013 (CR3) v2	D013	87.4		90					
8/1/06	9/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
8/1/06	9/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
8/1/06	9/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9		
8/1/06	9/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
8/1/06	9/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
8/1/06	9/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
8/1/06	9/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
8/1/06	9/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
8/1/06	9/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
8/1/06	9/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F			4.8			NODI=B		
8/1/06	9/1/06	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
8/1/06	9/1/06	TSS - I-0FG (CR3) v2	I-0FG	9.01		10.3					
8/1/06	9/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
8/1/06	9/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
8/1/06	9/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
8/1/06	9/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
8/1/06	9/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
8/1/06	9/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
9/1/06	10/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
9/1/06	10/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
9/1/06	10/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
9/1/06	10/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
9/1/06	10/1/06	Flow - I-0FE (CR3) v2	I-0FE				0.000043	0.000043			
9/1/06	10/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.002636	0.01266			
9/1/06	10/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
9/1/06	10/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.001974	0.00505			
9/1/06	10/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				17.78	34.27			
9/1/06	10/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
9/1/06	10/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/06	10/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
9/1/06	10/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/06	10/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	38.82							
9/1/06	10/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/06	10/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
9/1/06	10/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
9/1/06	10/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE	3.87		3.87					
9/1/06	10/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.79		2.43					
9/1/06	10/1/06	pH - Background - D-00F (CR3) v2	D-00F		8.06	8.22					
9/1/06	10/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		8.12	8.26					
9/1/06	10/1/06	pH - I-0FE (CR3) v2	I-0FE		7.13	7.13					
9/1/06	10/1/06	pH - I-0FG (CR3) v2	I-0FG		8.36	8.73					
9/1/06	10/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
9/1/06	10/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					

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9/1/06	10/1/06	Temp Rise - D013 (CR3) v2	D013	8.9		12.7					
9/1/06	10/1/06	Temp-Discharge - D013 (CR3) v2	D013	92.2		95.4					
9/1/06	10/1/06	Temp-Intake - D013 (CR3) v2	D013	83.2		86.7					
9/1/06	10/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
9/1/06	10/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/06	10/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9		
9/1/06	10/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
9/1/06	10/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
9/1/06	10/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
9/1/06	10/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
9/1/06	10/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
9/1/06	10/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
9/1/06	10/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
9/1/06	10/1/06	TSS - I-0FE (CR3) v2	I-0FE	11.3		11.3					
9/1/06	10/1/06	TSS - I-0FG (CR3) v2	I-0FG	15.53		35.2					
9/1/06	10/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
9/1/06	10/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
9/1/06	10/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
9/1/06	10/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
9/1/06	10/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
9/1/06	10/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
10/1/06	11/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
10/1/06	11/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
10/1/06	11/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
10/1/06	11/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
10/1/06	11/1/06	Flow - I-0FE (CR3) v2	I-0FE				0	0			
10/1/06	11/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.07594	0.011608			
10/1/06	11/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
10/1/06	11/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.0009645	0.015034			
10/1/06	11/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				15.59	29.52			
10/1/06	11/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
10/1/06	11/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/06	11/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
10/1/06	11/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/06	11/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	28.4							

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10/1/06	11/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/06	11/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
10/1/06	11/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
10/1/06	11/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
10/1/06	11/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG	2.35		4.87					
10/1/06	11/1/06	pH - Background - D-00F (CR3) v2	D-00F		7.99	8.07					
10/1/06	11/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		8.05	8.15					
10/1/06	11/1/06	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
10/1/06	11/1/06	pH - I-0FG (CR3) v2	I-0FG		8.1	8.79					
10/1/06	11/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
10/1/06	11/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
10/1/06	11/1/06	Temp Rise - D013 (CR3) v2	D013	14.4		16.4					
10/1/06	11/1/06	Temp-Discharge - D013 (CR3) v2	D013	90.1		95.7					
10/1/06	11/1/06	Temp-Intake - D013 (CR3) v2	D013	75.8		82.9					
10/1/06	11/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
10/1/06	11/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/06	11/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9		
10/1/06	11/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
10/1/06	11/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
10/1/06	11/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
10/1/06	11/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
10/1/06	11/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
10/1/06	11/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
10/1/06	11/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
10/1/06	11/1/06	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
10/1/06	11/1/06	TSS - I-0FG (CR3) v2	I-0FG	26.6		41.6					
10/1/06	11/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
10/1/06	11/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
10/1/06	11/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
10/1/06	11/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
10/1/06	11/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
10/1/06	11/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
11/1/06	12/1/06	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
11/1/06	12/1/06	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
11/1/06	12/1/06	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100

Begin date	End Date	PARAMETER NAME	Outfall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
11/1/06	12/1/06	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
11/1/06	12/1/06	Flow - I-0FE (CR3) v2	I-0FE				0	0			
11/1/06	12/1/06	Flow - I-0FG (CR3) v2	I-0FG				0.009116	0.074674			
11/1/06	12/1/06	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
11/1/06	12/1/06	Flow-ECST D-00F (CR3) v2	D-00F				0.001956	0.014967			
11/1/06	12/1/06	Flow-Intake - D-00F (CR3) v2	D-00F				16.44	20.44			
11/1/06	12/1/06	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
11/1/06	12/1/06	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
11/1/06	12/1/06	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
11/1/06	12/1/06	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
11/1/06	12/1/06	Morpholine 1-D-00F (CR3) v2	1-D-00F	37.12							
11/1/06	12/1/06	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
11/1/06	12/1/06	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
11/1/06	12/1/06	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
11/1/06	12/1/06	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
11/1/06	12/1/06	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.15		1.38					
11/1/06	12/1/06	pH - Background - D-00F (CR3) v2	D-00F		8.04	8.15					
11/1/06	12/1/06	pH - Effluent - D-00F (CR3) v2	D-00F		8.06	8.19					
11/1/06	12/1/06	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
11/1/06	12/1/06	pH - I-0FG (CR3) v2	I-0FG		8.38	8.96					
11/1/06	12/1/06	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
11/1/06	12/1/06	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					
11/1/06	12/1/06	Temp Rise - D013 (CR3) v2	D013	15.7		17.6					
11/1/06	12/1/06	Temp-Discharge - D013 (CR3) v2	D013	80.8		88.5					
11/1/06	12/1/06	Temp-Intake - D013 (CR3) v2	D013	65.1		82.9					
11/1/06	12/1/06	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
11/1/06	12/1/06	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
11/1/06	12/1/06	Total Copper - D00F (CR3) v2	D00F						NODI=9		
11/1/06	12/1/06	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
11/1/06	12/1/06	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
11/1/06	12/1/06	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
11/1/06	12/1/06	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
11/1/06	12/1/06	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
11/1/06	12/1/06	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
11/1/06	12/1/06	TSS - CD and ECST D-00F (CR3) v2	D-00F						1.32	NODI=B	

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11/1/06	12/1/06	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
11/1/06	12/1/06	TSS - I-0FG (CR3) v2	I-0FG	24.15		34.2					
11/1/06	12/1/06	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
11/1/06	12/1/06	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
11/1/06	12/1/06	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
11/1/06	12/1/06	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
11/1/06	12/1/06	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
11/1/06	12/1/06	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
12/1/06	1/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
12/1/06	1/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
12/1/06	1/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
12/1/06	1/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
12/1/06	1/1/07	Flow - I-0FE (CR3) v2	I-0FE				0.000045	0.001404			
12/1/06	1/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.010111	0.082106			
12/1/06	1/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
12/1/06	1/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.001926	0.007633			
12/1/06	1/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				17.32	34.27			
12/1/06	1/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
12/1/06	1/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/06	1/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
12/1/06	1/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/06	1/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	27.3							
12/1/06	1/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/06	1/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
12/1/06	1/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
12/1/06	1/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE	0.12		0.12					
12/1/06	1/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	2.39		2.88					
12/1/06	1/1/07	pH - Background - D-00F (CR3) v2	D-00F		7.99	8.24					
12/1/06	1/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		8.05	8.15					
12/1/06	1/1/07	pH - I-0FE (CR3) v2	I-0FE							6.62	6.62
12/1/06	1/1/07	pH - I-0FG (CR3) v2	I-0FG		8.63	8.91					
12/1/06	1/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
12/1/06	1/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					
12/1/06	1/1/07	Temp Rise - D013 (CR3) v2	D013	16.2		17.3					
12/1/06	1/1/07	Temp-Discharge - D013 (CR3) v2	D013	79.3		85.7					

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12/1/06	1/1/07	Temp-Intake - D013 (CR3) v2	D013	63.1		68.3					
12/1/06	1/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
12/1/06	1/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/06	1/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9		
12/1/06	1/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
12/1/06	1/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
12/1/06	1/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
12/1/06	1/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
12/1/06	1/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
12/1/06	1/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
12/1/06	1/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
12/1/06	1/1/07	TSS - I-0FE (CR3) v2	I-0FE						NODI=B	NODI=B	
12/1/06	1/1/07	TSS - I-0FG (CR3) v2	I-0FG	25.1		32.6					
12/1/06	1/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
12/1/06	1/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
12/1/06	1/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
12/1/06	1/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
12/1/06	1/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
12/1/06	1/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
1/1/07	2/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
1/1/07	2/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
1/1/07	2/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
1/1/07	2/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
1/1/07	2/1/07	Flow - I-0FE (CR3) v2	I-0FE				0	0			
1/1/07	2/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.012476	0.083365			
1/1/07	2/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
1/1/07	2/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.000965	0.007664			
1/1/07	2/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				16.82	29.52			
1/1/07	2/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
1/1/07	2/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
1/1/07	2/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
1/1/07	2/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
1/1/07	2/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	27.24							
1/1/07	2/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
1/1/07	2/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
1/1/07	2/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
1/1/07	2/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
1/1/07	2/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.1		3					
1/1/07	2/1/07	pH - Background - D-00F (CR3) v2	D-00F		8.02	8.12					
1/1/07	2/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		8.12	8.24					
1/1/07	2/1/07	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
1/1/07	2/1/07	pH - I-0FG (CR3) v2	I-0FG		8.52	8.96					
1/1/07	2/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
1/1/07	2/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					
1/1/07	2/1/07	Temp Rise - D013 (CR3) v2	D013	16.3		17.5					
1/1/07	2/1/07	Temp-Discharge - D013 (CR3) v2	D013	78.9		87.3					
1/1/07	2/1/07	Temp-Intake - D013 (CR3) v2	D013	62.7		70.5					
1/1/07	2/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
1/1/07	2/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
1/1/07	2/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9		
1/1/07	2/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
1/1/07	2/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
1/1/07	2/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
1/1/07	2/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
1/1/07	2/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
1/1/07	2/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
1/1/07	2/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
1/1/07	2/1/07	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
1/1/07	2/1/07	TSS - I-0FG (CR3) v2	I-0FG	12.97		23.7					
1/1/07	2/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
1/1/07	2/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
1/1/07	2/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
1/1/07	2/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
1/1/07	2/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
1/1/07	2/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
2/1/07	3/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
2/1/07	3/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
2/1/07	3/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
2/1/07	3/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
2/1/07	3/1/07	Flow - I-0FE (CR3) v2	I-0FE				0	0			

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2/1/07	3/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.0164356	0.080137			
2/1/07	3/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0.0029857	0.0836			
2/1/07	3/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.00053557	0.007546			
2/1/07	3/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				16.27	29.52			
2/1/07	3/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
2/1/07	3/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
2/1/07	3/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
2/1/07	3/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
2/1/07	3/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	42.4							
2/1/07	3/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
2/1/07	3/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
2/1/07	3/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
2/1/07	3/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
2/1/07	3/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.72		3.36					
2/1/07	3/1/07	pH - Background - D-00F (CR3) v2	D-00F		8.02	8.19					
2/1/07	3/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		8	8.19					
2/1/07	3/1/07	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
2/1/07	3/1/07	pH - I-0FG (CR3) v2	I-0FG		8.5	8.95					
2/1/07	3/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
2/1/07	3/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
2/1/07	3/1/07	Temp Rise - D013 (CR3) v2	D013	15.6		17.8					
2/1/07	3/1/07	Temp-Discharge - D013 (CR3) v2	D013	74.6		83.6					
2/1/07	3/1/07	Temp-Intake - D013 (CR3) v2	D013	59		70.5					
2/1/07	3/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
2/1/07	3/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
2/1/07	3/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9		
2/1/07	3/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
2/1/07	3/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
2/1/07	3/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
2/1/07	3/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
2/1/07	3/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
2/1/07	3/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
2/1/07	3/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
2/1/07	3/1/07	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
2/1/07	3/1/07	TSS - I-0FG (CR3) v2	I-0FG	9.91		16.5					

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2/1/07	3/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
2/1/07	3/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
2/1/07	3/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
2/1/07	3/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
2/1/07	3/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
2/1/07	3/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
3/1/07	4/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
3/1/07	4/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
3/1/07	4/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
3/1/07	4/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
3/1/07	4/1/07	Flow - I-0FE (CR3) v2	I-0FE				0.00004526	0.001403			
3/1/07	4/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.0140278	0.077695			
3/1/07	4/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
3/1/07	4/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.003832	0.014967			
3/1/07	4/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				19.1607	34.272			
3/1/07	4/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
3/1/07	4/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
3/1/07	4/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
3/1/07	4/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
3/1/07	4/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	29.4							
3/1/07	4/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
3/1/07	4/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
3/1/07	4/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
3/1/07	4/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE						0.50	0.50	
3/1/07	4/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	2.02		5.12					
3/1/07	4/1/07	pH - Background - D-00F (CR3) v2	D-00F		7.9	8.22					
3/1/07	4/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		8.05	8.19					
3/1/07	4/1/07	pH - I-0FE (CR3) v2	I-0FE							6.11	6.11
3/1/07	4/1/07	pH - I-0FG (CR3) v2	I-0FG		8.45	8.98					
3/1/07	4/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
3/1/07	4/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
3/1/07	4/1/07	Temp Rise - D013 (CR3) v2	D013	15.7		18.3					
3/1/07	4/1/07	Temp-Discharge - D013 (CR3) v2	D013	83.7		90.8					
3/1/07	4/1/07	Temp-Intake - D013 (CR3) v2	D013	68.1		73.8					
3/1/07	4/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		

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3/1/07	4/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
3/1/07	4/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9		
3/1/07	4/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
3/1/07	4/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
3/1/07	4/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
3/1/07	4/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
3/1/07	4/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
3/1/07	4/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
3/1/07	4/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
3/1/07	4/1/07	TSS - I-0FE (CR3) v2	I-0FE						9.20	9.20	
3/1/07	4/1/07	TSS - I-0FG (CR3) v2	I-0FG	12.72		23.8					
3/1/07	4/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
3/1/07	4/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
3/1/07	4/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
3/1/07	4/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
3/1/07	4/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
3/1/07	4/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
4/1/07	5/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
4/1/07	5/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
4/1/07	5/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
4/1/07	5/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
4/1/07	5/1/07	Flow - I-0FE (CR3) v2	I-0FE				0	0			
4/1/07	5/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.01785	0.07909			
4/1/07	5/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
4/1/07	5/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.000719	0.014154			
4/1/07	5/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				15.64	29.52			
4/1/07	5/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
4/1/07	5/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
4/1/07	5/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
4/1/07	5/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
4/1/07	5/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	32.69							
4/1/07	5/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
4/1/07	5/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
4/1/07	5/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
4/1/07	5/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	

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4/1/07	5/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	3.47		9.37					
4/1/07	5/1/07	pH - Background - D-00F (CR3) v2	D-00F		8.04	8.21					
4/1/07	5/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		8.08	8.15					
4/1/07	5/1/07	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
4/1/07	5/1/07	pH - I-0FG (CR3) v2	I-0FG		8.56	8.97					
4/1/07	5/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
4/1/07	5/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.2					
4/1/07	5/1/07	Temp Rise - D013 (CR3) v2	D013	15.4		16.6					
4/1/07	5/1/07	Temp-Discharge - D013 (CR3) v2	D013	85.7		94.1					
4/1/07	5/1/07	Temp-Intake - D013 (CR3) v2	D013	70.4		77.5					
4/1/07	5/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
4/1/07	5/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
4/1/07	5/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9		
4/1/07	5/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
4/1/07	5/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
4/1/07	5/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
4/1/07	5/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
4/1/07	5/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
4/1/07	5/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
4/1/07	5/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
4/1/07	5/1/07	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
4/1/07	5/1/07	TSS - I-0FG (CR3) v2	I-0FG	24.34		57.4					
4/1/07	5/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
4/1/07	5/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
4/1/07	5/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
4/1/07	5/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
4/1/07	5/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
4/1/07	5/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
5/1/07	6/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
5/1/07	6/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
5/1/07	6/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
5/1/07	6/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
5/1/07	6/1/07	Flow - I-0FE (CR3) v2	I-0FE				0.0000216	0.00067			
5/1/07	6/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.01460229	0.078441			
5/1/07	6/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0	0			

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
5/1/07	6/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.00236965	0.014939			
5/1/07	6/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				15.90771	34.272			
5/1/07	6/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
5/1/07	6/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
5/1/07	6/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
5/1/07	6/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
5/1/07	6/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	31.5							
5/1/07	6/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
5/1/07	6/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
5/1/07	6/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
5/1/07	6/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE	0.75		0.75					
5/1/07	6/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.1		3					
5/1/07	6/1/07	pH - Background - D-00F (CR3) v2	D-00F		7.98	8.17					
5/1/07	6/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		8.04	8.35					
5/1/07	6/1/07	pH - I-0FE (CR3) v2	I-0FE		6.34	6.34					
5/1/07	6/1/07	pH - I-0FG (CR3) v2	I-0FG		8.6	8.91					
5/1/07	6/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
5/1/07	6/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
5/1/07	6/1/07	Temp Rise - D013 (CR3) v2	D013	12.7		16.1					
5/1/07	6/1/07	Temp-Discharge - D013 (CR3) v2	D013	89.9		95.4					
5/1/07	6/1/07	Temp-Intake - D013 (CR3) v2	D013	77.1		81.7					
5/1/07	6/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
5/1/07	6/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
5/1/07	6/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9		
5/1/07	6/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
5/1/07	6/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
5/1/07	6/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
5/1/07	6/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
5/1/07	6/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
5/1/07	6/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
5/1/07	6/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
5/1/07	6/1/07	TSS - I-0FE (CR3) v2	I-0FE	0.3		0.3					
5/1/07	6/1/07	TSS - I-0FG (CR3) v2	I-0FG	10.37		28.4					
5/1/07	6/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
5/1/07	6/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	

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5/1/07	6/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
5/1/07	6/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
5/1/07	6/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
5/1/07	6/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
6/1/07	7/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
6/1/07	7/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
6/1/07	7/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
6/1/07	7/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
6/1/07	7/1/07	Flow - I-0FE (CR3) v2	I-0FE				0.000046	0.00139			
6/1/07	7/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.020854	0.09248			
6/1/07	7/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
6/1/07	7/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.002039	0.015295			
6/1/07	7/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				15.9388	29.52			
6/1/07	7/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
6/1/07	7/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
6/1/07	7/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
6/1/07	7/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
6/1/07	7/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	29.61							
6/1/07	7/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
6/1/07	7/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
6/1/07	7/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
6/1/07	7/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE	2.12		2.12					
6/1/07	7/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	2.08		4.25					
6/1/07	7/1/07	pH - Background - D-00F (CR3) v2	D-00F		8.01	8.38					
6/1/07	7/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		8.01	8.33					
6/1/07	7/1/07	pH - I-0FE (CR3) v2	I-0FE		6.65	6.65					
6/1/07	7/1/07	pH - I-0FG (CR3) v2	I-0FG		8.48	8.92					
6/1/07	7/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
6/1/07	7/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.35					
6/1/07	7/1/07	Temp Rise - D013 (CR3) v2	D013	9.7		13.9					
6/1/07	7/1/07	Temp-Discharge - D013 (CR3) v2	D013	92.5		95.6					
6/1/07	7/1/07	Temp-Intake - D013 (CR3) v2	D013	82.8		87.4					
6/1/07	7/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
6/1/07	7/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
6/1/07	7/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	

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Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
6/1/07	7/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
6/1/07	7/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
6/1/07	7/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
6/1/07	7/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
6/1/07	7/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
6/1/07	7/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
6/1/07	7/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
6/1/07	7/1/07	TSS - I-0FE (CR3) v2	I-0FE	1.9		1.9					
6/1/07	7/1/07	TSS - I-0FG (CR3) v2	I-0FG	12.75		27.8					
6/1/07	7/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
6/1/07	7/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
6/1/07	7/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
6/1/07	7/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
6/1/07	7/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
6/1/07	7/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
7/1/07	8/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
7/1/07	8/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
7/1/07	8/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
7/1/07	8/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
7/1/07	8/1/07	Flow - I-0FE (CR3) v2	I-0FE				0.0000464	0.001438			
7/1/07	8/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.0166295	0.079225			
7/1/07	8/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
7/1/07	8/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.003447	0.015286			
7/1/07	8/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				14.886	29.52			
7/1/07	8/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
7/1/07	8/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/07	8/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
7/1/07	8/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/07	8/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	16.567							
7/1/07	8/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/07	8/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
7/1/07	8/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
7/1/07	8/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE	3.63		3.63					
7/1/07	8/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	0.62		1.63					
7/1/07	8/1/07	pH - Background - D-00F (CR3) v2	D-00F		7.94	8.11					

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
7/1/07	8/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		7.98	8.18					
7/1/07	8/1/07	pH - I-0FE (CR3) v2	I-0FE		6.7	6.7					
7/1/07	8/1/07	pH - I-0FG (CR3) v2	I-0FG		8.56	8.98					
7/1/07	8/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
7/1/07	8/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.35					
7/1/07	8/1/07	Temp Rise - D013 (CR3) v2	D013	7		8.9					
7/1/07	8/1/07	Temp-Discharge - D013 (CR3) v2	D013	94.2		96.6					
7/1/07	8/1/07	Temp-Intake - D013 (CR3) v2	D013	87.2		94.9					
7/1/07	8/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
7/1/07	8/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
7/1/07	8/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
7/1/07	8/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
7/1/07	8/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
7/1/07	8/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
7/1/07	8/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
7/1/07	8/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
7/1/07	8/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
7/1/07	8/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F	0		0					
7/1/07	8/1/07	TSS - I-0FE (CR3) v2	I-0FE	0		0					
7/1/07	8/1/07	TSS - I-0FG (CR3) v2	I-0FG	5.27		9.6					
7/1/07	8/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
7/1/07	8/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
7/1/07	8/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
7/1/07	8/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
7/1/07	8/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
7/1/07	8/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
8/1/07	9/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
8/1/07	9/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
8/1/07	9/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
8/1/07	9/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
8/1/07	9/1/07	Flow - I-0FE (CR3) v2	I-0FE				0.00004106	0.001273			
8/1/07	9/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.0192484	0.079628			
8/1/07	9/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
8/1/07	9/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.00295496	0.015238			
8/1/07	9/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				16.78129	43.488			

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
8/1/07	9/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
8/1/07	9/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
8/1/07	9/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
8/1/07	9/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
8/1/07	9/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	25.56							
8/1/07	9/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
8/1/07	9/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
8/1/07	9/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
8/1/07	9/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE	0.75		0.75					
8/1/07	9/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.26		3					
8/1/07	9/1/07	pH - Background - D-00F (CR3) v2	D-00F		7.96	8.13					
8/1/07	9/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		7.94	8.25					
8/1/07	9/1/07	pH - I-0FE (CR3) v2	I-0FE		6.87	6.87					
8/1/07	9/1/07	pH - I-0FG (CR3) v2	I-0FG		8.56	8.98					
8/1/07	9/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
8/1/07	9/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
8/1/07	9/1/07	Temp Rise - D013 (CR3) v2	D013	6.1		10.2					
8/1/07	9/1/07	Temp-Discharge - D013 (CR3) v2	D013	93.9		96.3					
8/1/07	9/1/07	Temp-Intake - D013 (CR3) v2	D013	87.8		90.8					
8/1/07	9/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
8/1/07	9/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
8/1/07	9/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
8/1/07	9/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
8/1/07	9/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
8/1/07	9/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
8/1/07	9/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
8/1/07	9/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
8/1/07	9/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
8/1/07	9/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F	0		0					
8/1/07	9/1/07	TSS - I-0FE (CR3) v2	I-0FE	2.6		2.6					
8/1/07	9/1/07	TSS - I-0FG (CR3) v2	I-0FG	12.98		27.8					
8/1/07	9/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
8/1/07	9/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
8/1/07	9/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
8/1/07	9/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	

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Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
8/1/07	9/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
8/1/07	9/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
9/1/07	10/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
9/1/07	10/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
9/1/07	10/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
9/1/07	10/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
9/1/07	10/1/07	Flow - I-0FE (CR3) v2	I-0FE				0	0			
9/1/07	10/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.0072181	0.077932			
9/1/07	10/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
9/1/07	10/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.00251846	0.015525			
9/1/07	10/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				16.472733	34.272			
9/1/07	10/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
9/1/07	10/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/07	10/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
9/1/07	10/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/07	10/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	24.075							
9/1/07	10/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/07	10/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
9/1/07	10/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
9/1/07	10/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
9/1/07	10/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	2.67		4.25					
9/1/07	10/1/07	pH - Background - D-00F (CR3) v2	D-00F		8.02	8.05					
9/1/07	10/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		8.01	8.05					
9/1/07	10/1/07	pH - I-0FE (CR3) v2	I-0FE							NODI=C	NODI=C
9/1/07	10/1/07	pH - I-0FG (CR3) v2	I-0FG		8.75	8.91					
9/1/07	10/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
9/1/07	10/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
9/1/07	10/1/07	Temp Rise - D013 (CR3) v2	D013	9.5		14.1					
9/1/07	10/1/07	Temp-Discharge - D013 (CR3) v2	D013	93.6		96					
9/1/07	10/1/07	Temp-Intake - D013 (CR3) v2	D013	84		88.4					
9/1/07	10/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
9/1/07	10/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
9/1/07	10/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
9/1/07	10/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
9/1/07	10/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
9/1/07	10/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
9/1/07	10/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
9/1/07	10/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
9/1/07	10/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
9/1/07	10/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
9/1/07	10/1/07	TSS - I-0FE (CR3) v2	I-0FE						NODI=C	NODI=C	
9/1/07	10/1/07	TSS - I-0FG (CR3) v2	I-0FG	20.7		24.4					
9/1/07	10/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
9/1/07	10/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
9/1/07	10/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
9/1/07	10/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
9/1/07	10/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
9/1/07	10/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
10/1/07	11/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
10/1/07	11/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
10/1/07	11/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
10/1/07	11/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
10/1/07	11/1/07	Flow - I-0FE (CR3) v2	I-0FE				0.00004329	0.001342			
10/1/07	11/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.0204636	0.079089			
10/1/07	11/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
10/1/07	11/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.0049225	0.015388			
10/1/07	11/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				15.831871	34.272			
10/1/07	11/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
10/1/07	11/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/07	11/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
10/1/07	11/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/07	11/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	24.02							
10/1/07	11/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/07	11/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
10/1/07	11/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
10/1/07	11/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE	0.38		0.38					
10/1/07	11/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.28		2.75					
10/1/07	11/1/07	pH - Background - D-00F (CR3) v2	D-00F		7.88	8.08					
10/1/07	11/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		7.95	8.1					
10/1/07	11/1/07	pH - I-0FE (CR3) v2	I-0FE		6.9	6.9					

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10/1/07	11/1/07	pH - I-0FG (CR3) v2	I-0FG		8.37	8.87					
10/1/07	11/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
10/1/07	11/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					
10/1/07	11/1/07	Temp Rise - D013 (CR3) v2	D013	14.1		16.9					
10/1/07	11/1/07	Temp-Discharge - D013 (CR3) v2	D013	92.4		95.8					
10/1/07	11/1/07	Temp-Intake - D013 (CR3) v2	D013	78.4		82.3					
10/1/07	11/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
10/1/07	11/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
10/1/07	11/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
10/1/07	11/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
10/1/07	11/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
10/1/07	11/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
10/1/07	11/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
10/1/07	11/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
10/1/07	11/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
10/1/07	11/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F						NODI=B	NODI=B	
10/1/07	11/1/07	TSS - I-0FE (CR3) v2	I-0FE	5.3		5.3					
10/1/07	11/1/07	TSS - I-0FG (CR3) v2	I-0FG	7.45		9.5					
10/1/07	11/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
10/1/07	11/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
10/1/07	11/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
10/1/07	11/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
10/1/07	11/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
10/1/07	11/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
11/1/07	12/1/07	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
11/1/07	12/1/07	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
11/1/07	12/1/07	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
11/1/07	12/1/07	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
11/1/07	12/1/07	Flow - I-0FE (CR3) v2	I-0FE				0.0001643	0.001485			
11/1/07	12/1/07	Flow - I-0FG (CR3) v2	I-0FG				0.0150499	0.080949			
11/1/07	12/1/07	Flow-CD System D-00F (CR3) v2	D-00F				0.015957	0.478712			
11/1/07	12/1/07	Flow-ECST D-00F (CR3) v2	D-00F				0.0024677	0.013463			
11/1/07	12/1/07	Flow-Intake - D-00F (CR3) v2	D-00F				25.55567	36.242			
11/1/07	12/1/07	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
11/1/07	12/1/07	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		

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11/1/07	12/1/07	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
11/1/07	12/1/07	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
11/1/07	12/1/07	Morpholine 1-D-00F (CR3) v2	1-D-00F	18.35							
11/1/07	12/1/07	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
11/1/07	12/1/07	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
11/1/07	12/1/07	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
11/1/07	12/1/07	Oil and Grease - I-0FE (CR3) v2	I-0FE	8.41		16.25					
11/1/07	12/1/07	Oil and Grease - I-0FG (CR3) v2	I-0FG	0.9		2.13					
11/1/07	12/1/07	pH - Background - D-00F (CR3) v2	D-00F		8.08	8.14					
11/1/07	12/1/07	pH - Effluent - D-00F (CR3) v2	D-00F		8	8.12					
11/1/07	12/1/07	pH - I-0FE (CR3) v2	I-0FE		7.09	7.86					
11/1/07	12/1/07	pH - I-0FG (CR3) v2	I-0FG		7.55	8.71					
11/1/07	12/1/07	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
11/1/07	12/1/07	Spectrus CT1300 - D00F (CR3) v2	D00F			2.2					
11/1/07	12/1/07	Temp Rise - D013 (CR3) v2	D013	13.3		18.3					
11/1/07	12/1/07	Temp-Discharge - D013 (CR3) v2	D013	80.3		91.4					
11/1/07	12/1/07	Temp-Intake - D013 (CR3) v2	D013	67		72.9					
11/1/07	12/1/07	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
11/1/07	12/1/07	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
11/1/07	12/1/07	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
11/1/07	12/1/07	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
11/1/07	12/1/07	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
11/1/07	12/1/07	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
11/1/07	12/1/07	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
11/1/07	12/1/07	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
11/1/07	12/1/07	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
11/1/07	12/1/07	TSS - CD and ECST D-00F (CR3) v2	D-00F	1.91		2.5					
11/1/07	12/1/07	TSS - I-0FE (CR3) v2	I-0FE	7.91		9.5					
11/1/07	12/1/07	TSS - I-0FG (CR3) v2	I-0FG	25.1		52.2					
11/1/07	12/1/07	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
11/1/07	12/1/07	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
11/1/07	12/1/07	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
11/1/07	12/1/07	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
11/1/07	12/1/07	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
11/1/07	12/1/07	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	

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12/1/07	1/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								NODI=9
12/1/07	1/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								NODI=9
12/1/07	1/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								NODI=9
12/1/07	1/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								NODI=9
12/1/07	1/1/08	Flow - I-0FE (CR3) v2	I-0FE				0.0000901	0.001486			
12/1/07	1/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.0161466	0.078531			
12/1/07	1/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0.01368087	0.424107			
12/1/07	1/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.00144487	0.01576			
12/1/07	1/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				19.326	42.6			
12/1/07	1/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						NODI=9		
12/1/07	1/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/07	1/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						NODI=9		
12/1/07	1/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/07	1/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	37.46							
12/1/07	1/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/07	1/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
12/1/07	1/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							NODI=9	
12/1/07	1/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE	1.98		3.75					
12/1/07	1/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.46		3					
12/1/07	1/1/08	pH - Background - D-00F (CR3) v2	D-00F		8.05	8.12					
12/1/07	1/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		8	8.15					
12/1/07	1/1/08	pH - I-0FE (CR3) v2	I-0FE		7.28	7.77					
12/1/07	1/1/08	pH - I-0FG (CR3) v2	I-0FG		7.68	8.84					
12/1/07	1/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
12/1/07	1/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			2.2					
12/1/07	1/1/08	Temp Rise - D013 (CR3) v2	D013	13.9		17.1					
12/1/07	1/1/08	Temp-Discharge - D013 (CR3) v2	D013	78.8		87.5					
12/1/07	1/1/08	Temp-Intake - D013 (CR3) v2	D013	65.6		71.6					
12/1/07	1/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						NODI=9		
12/1/07	1/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						NODI=9		
12/1/07	1/1/08	Total Copper - D00F (CR3) v2	D00F						NODI=9	NODI=9	
12/1/07	1/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							NODI=9	
12/1/07	1/1/08	Total Iron- D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
12/1/07	1/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							NODI=9	
12/1/07	1/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	

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12/1/07	1/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						NODI=9	NODI=9	
12/1/07	1/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						NODI=9	NODI=9	
12/1/07	1/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F	3.45		8.56					
12/1/07	1/1/08	TSS - I-0FE (CR3) v2	I-0FE	7.97		11.8					
12/1/07	1/1/08	TSS - I-0FG (CR3) v2	I-0FG	10.37		17.9					
12/1/07	1/1/08	TSS P-D-00F (CR3) v2	P-D-00F						NODI=9	NODI=9	
12/1/07	1/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						NODI=9	NODI=9	
12/1/07	1/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							NODI=9	
12/1/07	1/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							NODI=9	
12/1/07	1/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							NODI=9	
12/1/07	1/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							NODI=9	
1/1/08	2/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
1/1/08	2/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
1/1/08	2/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
1/1/08	2/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
1/1/08	2/1/08	Flow - I-0FE (CR3) v2	I-0FE				0.00008929	0.001422			
1/1/08	2/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.0140983	0.082896			
1/1/08	2/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
1/1/08	2/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.003434	0.015474			
1/1/08	2/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				18.21	29.52			
1/1/08	2/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
1/1/08	2/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
1/1/08	2/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
1/1/08	2/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
1/1/08	2/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	39.2667							
1/1/08	2/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
1/1/08	2/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
1/1/08	2/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
1/1/08	2/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE						<1.4	<1.4	
1/1/08	2/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG						<1.4	<1.4	
1/1/08	2/1/08	pH - Background - D-00F (CR3) v2	D-00F		7.99	8.13					
1/1/08	2/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		7.98	8.15					
1/1/08	2/1/08	pH - I-0FE (CR3) v2	I-0FE		6.3	6.88					
1/1/08	2/1/08	pH - I-0FG (CR3) v2	I-0FG		8.46	8.77					
1/1/08	2/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					

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1/1/08	2/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			2.15					
1/1/08	2/1/08	Temp Rise - D013 (CR3) v2	D013	17.3		19.7					
1/1/08	2/1/08	Temp-Discharge - D013 (CR3) v2	D013	75.2		82.4					
1/1/08	2/1/08	Temp-Intake - D013 (CR3) v2	D013	58.2		67.8					
1/1/08	2/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
1/1/08	2/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
1/1/08	2/1/08	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
1/1/08	2/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
1/1/08	2/1/08	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
1/1/08	2/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
1/1/08	2/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
1/1/08	2/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
1/1/08	2/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
1/1/08	2/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
1/1/08	2/1/08	TSS - I-0FE (CR3) v2	I-0FE						<4.0	<4.0	
1/1/08	2/1/08	TSS - I-0FG (CR3) v2	I-0FG	10.44		12.5					
1/1/08	2/1/08	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
1/1/08	2/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
1/1/08	2/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
1/1/08	2/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
1/1/08	2/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
1/1/08	2/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
2/1/08	3/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								MNR
2/1/08	3/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
2/1/08	3/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								MNR
2/1/08	3/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
2/1/08	3/1/08	Flow - I-0FE (CR3) v2	I-0FE				0.0001452	0.001504			
2/1/08	3/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.018045	0.081122			
2/1/08	3/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
2/1/08	3/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.0024545	0.014629			
2/1/08	3/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				16.97887	29.52			
2/1/08	3/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
2/1/08	3/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
2/1/08	3/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
2/1/08	3/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		

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Begin date	End Date	PARAMETER_NAME	Outfall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
2/1/08	3/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	27.1							
2/1/08	3/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
2/1/08	3/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
2/1/08	3/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
2/1/08	3/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE						<1.4	<1.4	
2/1/08	3/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG			2.13			<1.4		
2/1/08	3/1/08	pH - Background - D-00F (CR3) v2	D-00F		8.04	8.11					
2/1/08	3/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		8.02	8.13					
2/1/08	3/1/08	pH - I-0FE (CR3) v2	I-0FE		6.41	6.51					
2/1/08	3/1/08	pH - I-0FG (CR3) v2	I-0FG		7.73	8.94					
2/1/08	3/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
2/1/08	3/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					
2/1/08	3/1/08	Temp Rise - D013 (CR3) v2	D013	16.7		18.2					
2/1/08	3/1/08	Temp-Discharge - D013 (CR3) v2	D013	80.1		87					
2/1/08	3/1/08	Temp-Intake - D013 (CR3) v2	D013	63.6		69.3					
2/1/08	3/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
2/1/08	3/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
2/1/08	3/1/08	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
2/1/08	3/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
2/1/08	3/1/08	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
2/1/08	3/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
2/1/08	3/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
2/1/08	3/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
2/1/08	3/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
2/1/08	3/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
2/1/08	3/1/08	TSS - I-0FE (CR3) v2	I-0FE						<4.0	<4.0	
2/1/08	3/1/08	TSS - I-0FG (CR3) v2	I-0FG	16.72		35.1					
2/1/08	3/1/08	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
2/1/08	3/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
2/1/08	3/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
2/1/08	3/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
2/1/08	3/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
2/1/08	3/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
3/1/08	4/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
3/1/08	4/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR

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3/1/08	4/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
3/1/08	4/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
3/1/08	4/1/08	Flow - I-0FE (CR3) v2	I-0FE				0.0000474	0.001468			
3/1/08	4/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.013905	0.076952			
3/1/08	4/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0.047654	0.572129			
3/1/08	4/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.0017784	0.014336			
3/1/08	4/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				23.718645	43.488			
3/1/08	4/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
3/1/08	4/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
3/1/08	4/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
3/1/08	4/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
3/1/08	4/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	17.196							
3/1/08	4/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
3/1/08	4/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
3/1/08	4/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
3/1/08	4/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE						<1.4	<1.4	
3/1/08	4/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG			2.38			<1.4		
3/1/08	4/1/08	pH - Background - D-00F (CR3) v2	D-00F		7.98	8.1					
3/1/08	4/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		8.1	8.14					
3/1/08	4/1/08	pH - I-0FE (CR3) v2	I-0FE		6.96	6.96					
3/1/08	4/1/08	pH - I-0FG (CR3) v2	I-0FG		7.79	8.59					
3/1/08	4/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
3/1/08	4/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
3/1/08	4/1/08	Temp Rise - D013 (CR3) v2	D013	10.5		17.7					
3/1/08	4/1/08	Temp-Discharge - D013 (CR3) v2	D013	76		87.8					
3/1/08	4/1/08	Temp-Intake - D013 (CR3) v2	D013	65.6		71.4					
3/1/08	4/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
3/1/08	4/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
3/1/08	4/1/08	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
3/1/08	4/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
3/1/08	4/1/08	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
3/1/08	4/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
3/1/08	4/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
3/1/08	4/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
3/1/08	4/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
3/1/08	4/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
3/1/08	4/1/08	TSS - I-0FE (CR3) v2	I-0FE						<4.0	<4.0	
3/1/08	4/1/08	TSS - I-0FG (CR3) v2	I-0FG	9.03		13.4					
3/1/08	4/1/08	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
3/1/08	4/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
3/1/08	4/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
3/1/08	4/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
3/1/08	4/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
3/1/08	4/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
4/1/08	5/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								MNR
4/1/08	5/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
4/1/08	5/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								MNR
4/1/08	5/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
4/1/08	5/1/08	Flow - I-0FE (CR3) v2	I-0FE				0.0000477	0.001432			
4/1/08	5/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.020021	0.079821			
4/1/08	5/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
4/1/08	5/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.002767	0.014376			
4/1/08	5/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				17.318	29.52			
4/1/08	5/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
4/1/08	5/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
4/1/08	5/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
4/1/08	5/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
4/1/08	5/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	38.7							
4/1/08	5/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
4/1/08	5/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
4/1/08	5/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
4/1/08	5/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE						<1.4	<1.4	
4/1/08	5/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG			1.5			<1.4		
4/1/08	5/1/08	pH - Background - D-00F (CR3) v2	D-00F		7.97	8.16					
4/1/08	5/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		7.99	8.13					
4/1/08	5/1/08	pH - I-0FE (CR3) v2	I-0FE		7.21	7.21					
4/1/08	5/1/08	pH - I-0FG (CR3) v2	I-0FG		8.64	8.9					
4/1/08	5/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
4/1/08	5/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					
4/1/08	5/1/08	Temp Rise - D013 (CR3) v2	D013	14.6		17.3					

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
4/1/08	5/1/08	Temp-Discharge - D013 (CR3) v2	D013	88.6		93.5					
4/1/08	5/1/08	Temp-Intake - D013 (CR3) v2	D013	73.5		79.3					
4/1/08	5/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
4/1/08	5/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
4/1/08	5/1/08	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
4/1/08	5/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
4/1/08	5/1/08	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
4/1/08	5/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
4/1/08	5/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
4/1/08	5/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
4/1/08	5/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
4/1/08	5/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
4/1/08	5/1/08	TSS - I-0FE (CR3) v2	I-0FE	5.8		5.8					
4/1/08	5/1/08	TSS - I-0FG (CR3) v2	I-0FG	10.59		22.4					
4/1/08	5/1/08	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
4/1/08	5/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
4/1/08	5/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
4/1/08	5/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
4/1/08	5/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
4/1/08	5/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
5/1/08	6/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
5/1/08	6/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
5/1/08	6/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								<100
5/1/08	6/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
5/1/08	6/1/08	Flow - I-0FE (CR3) v2	I-0FE				4.7097E-05	0.00146			
5/1/08	6/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.021762	0.078866			
5/1/08	6/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
5/1/08	6/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.001127	0.00718			
5/1/08	6/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				16.934	34.272			
5/1/08	6/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
5/1/08	6/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
5/1/08	6/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
5/1/08	6/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
5/1/08	6/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	27.167							
5/1/08	6/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		

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5/1/08	6/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
5/1/08	6/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
5/1/08	6/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE	2.5		2.5					
5/1/08	6/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG			2			<1.4		
5/1/08	6/1/08	pH - Background - D-00F (CR3) v2	D-00F		8	8.18					
5/1/08	6/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		8.02	8.22					
5/1/08	6/1/08	pH - I-0FE (CR3) v2	I-0FE		7.28	7.28					
5/1/08	6/1/08	pH - I-0FG (CR3) v2	I-0FG		8.52	8.85					
5/1/08	6/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
5/1/08	6/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			2.25					
5/1/08	6/1/08	Temp Rise - D013 (CR3) v2	D013	13.7		16.1					
5/1/08	6/1/08	Temp-Discharge - D013 (CR3) v2	D013	92		95.7					
5/1/08	6/1/08	Temp-Intake - D013 (CR3) v2	D013	78.4		83					
5/1/08	6/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
5/1/08	6/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
5/1/08	6/1/08	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
5/1/08	6/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
5/1/08	6/1/08	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
5/1/08	6/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
5/1/08	6/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
5/1/08	6/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
5/1/08	6/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
5/1/08	6/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
5/1/08	6/1/08	TSS - I-0FE (CR3) v2	I-0FE						<4.0	<4.0	
5/1/08	6/1/08	TSS - I-0FG (CR3) v2	I-0FG	25.81		43					
5/1/08	6/1/08	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
5/1/08	6/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
5/1/08	6/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
5/1/08	6/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
5/1/08	6/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
5/1/08	6/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
6/1/08	7/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								MNR
6/1/08	7/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
6/1/08	7/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								MNR
6/1/08	7/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR

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6/1/08	7/1/08	Flow - I-0FE (CR3) v2	I-0FE				0	0			
6/1/08	7/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.01704	0.081784			
6/1/08	7/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
6/1/08	7/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.002129	0.014517			
6/1/08	7/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				15.675	20.304			
6/1/08	7/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
6/1/08	7/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
6/1/08	7/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
6/1/08	7/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
6/1/08	7/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	39.8375							
6/1/08	7/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
6/1/08	7/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
6/1/08	7/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
6/1/08	7/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE						NOD	NOD	
6/1/08	7/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG			1.5			<1.4		
6/1/08	7/1/08	pH - Background - D-00F (CR3) v2	D-00F		8.05	8.14					
6/1/08	7/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		8.05	8.18					
6/1/08	7/1/08	pH - I-0FE (CR3) v2	I-0FE							NOD	NOD
6/1/08	7/1/08	pH - I-0FG (CR3) v2	I-0FG		8.41	8.86					
6/1/08	7/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
6/1/08	7/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
6/1/08	7/1/08	Temp Rise - D013 (CR3) v2	D013	8.2		11					
6/1/08	7/1/08	Temp-Discharge - D013 (CR3) v2	D013	90.3		95.8					
6/1/08	7/1/08	Temp-Intake - D013 (CR3) v2	D013	82.2		88					
6/1/08	7/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
6/1/08	7/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
6/1/08	7/1/08	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
6/1/08	7/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
6/1/08	7/1/08	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
6/1/08	7/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
6/1/08	7/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
6/1/08	7/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
6/1/08	7/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
6/1/08	7/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
6/1/08	7/1/08	TSS - I-0FE (CR3) v2	I-0FE						NOD	NOD	

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6/1/08	7/1/08	TSS - I-0FG (CR3) v2	I-0FG	14.25		26.2					
6/1/08	7/1/08	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
6/1/08	7/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
6/1/08	7/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
6/1/08	7/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
6/1/08	7/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
6/1/08	7/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
7/1/08	8/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								OTH
7/1/08	8/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
7/1/08	8/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								OTH
7/1/08	8/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
7/1/08	8/1/08	Flow - I-0FE (CR3) v2	I-0FE				0.000042	0.001301			
7/1/08	8/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.01985	0.08189			
7/1/08	8/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
7/1/08	8/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.0015718	0.013967			
7/1/08	8/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				16.6797	20.304			
7/1/08	8/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
7/1/08	8/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
7/1/08	8/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
7/1/08	8/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
7/1/08	8/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	33.838							
7/1/08	8/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
7/1/08	8/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
7/1/08	8/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
7/1/08	8/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE						<1.4	<1.4	
7/1/08	8/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.74		3.85					
7/1/08	8/1/08	pH - Background - D-00F (CR3) v2	D-00F		8.05	8.15					
7/1/08	8/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		8.04	8.19					
7/1/08	8/1/08	pH - I-0FE (CR3) v2	I-0FE		6.94	6.94					
7/1/08	8/1/08	pH - I-0FG (CR3) v2	I-0FG		8.1	8.99					
7/1/08	8/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
7/1/08	8/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
7/1/08	8/1/08	Temp Rise - D013 (CR3) v2	D013	7.4		9.5					
7/1/08	8/1/08	Temp-Discharge - D013 (CR3) v2	D013	93.7		96.3					
7/1/08	8/1/08	Temp-Intake - D013 (CR3) v2	D013	86.4		89.7					

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7/1/08	8/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
7/1/08	8/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
7/1/08	8/1/08	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
7/1/08	8/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
7/1/08	8/1/08	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
7/1/08	8/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
7/1/08	8/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
7/1/08	8/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
7/1/08	8/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
7/1/08	8/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
7/1/08	8/1/08	TSS - I-0FE (CR3) v2	I-0FE						<4.0	<4.0	
7/1/08	8/1/08	TSS - I-0FG (CR3) v2	I-0FG	22.74		33.3					
7/1/08	8/1/08	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
7/1/08	8/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
7/1/08	8/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
7/1/08	8/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
7/1/08	8/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
7/1/08	8/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
8/1/08	9/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								OPS
8/1/08	9/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
8/1/08	9/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								OPS
8/1/08	9/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
8/1/08	9/1/08	Flow - I-0FE (CR3) v2	I-0FE				0	0			
8/1/08	9/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.018452	0.074815			
8/1/08	9/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0.0217335	0.67374			
8/1/08	9/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.002045	0.007381			
8/1/08	9/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				17.748774	29.52			
8/1/08	9/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
8/1/08	9/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
8/1/08	9/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
8/1/08	9/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
8/1/08	9/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	23.94							
8/1/08	9/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
8/1/08	9/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
8/1/08	9/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	

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8/1/08	9/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE						NOD	NOD	
8/1/08	9/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.41		5.75					
8/1/08	9/1/08	pH - Background - D-00F (CR3) v2	D-00F		7.9	8.17					
8/1/08	9/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		7.95	8.12					
8/1/08	9/1/08	pH - I-0FE (CR3) v2	I-0FE							NOD	NOD
8/1/08	9/1/08	pH - I-0FG (CR3) v2	I-0FG		8.21	8.91					
8/1/08	9/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
8/1/08	9/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			0					
8/1/08	9/1/08	Temp Rise - D013 (CR3) v2	D013	8.3		12.4					
8/1/08	9/1/08	Temp-Discharge - D013 (CR3) v2	D013	92		95.8					
8/1/08	9/1/08	Temp-Intake - D013 (CR3) v2	D013	82.9		88					
8/1/08	9/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
8/1/08	9/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
8/1/08	9/1/08	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
8/1/08	9/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
8/1/08	9/1/08	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
8/1/08	9/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
8/1/08	9/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
8/1/08	9/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
8/1/08	9/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
8/1/08	9/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
8/1/08	9/1/08	TSS - I-0FE (CR3) v2	I-0FE						NOD	NOD	
8/1/08	9/1/08	TSS - I-0FG (CR3) v2	I-0FG	22.24		40.7					
8/1/08	9/1/08	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
8/1/08	9/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
8/1/08	9/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
8/1/08	9/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
8/1/08	9/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
8/1/08	9/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
9/1/08	10/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								OTH
9/1/08	10/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
9/1/08	10/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								OTH
9/1/08	10/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
9/1/08	10/1/08	Flow - I-0FE (CR3) v2	I-0FE				0.001268	0.000042			
9/1/08	10/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.023498	0.07798			

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9/1/08	10/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
9/1/08	10/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.003261	0.014277			
9/1/08	10/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				15.782367	20.3			
9/1/08	10/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
9/1/08	10/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
9/1/08	10/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
9/1/08	10/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
9/1/08	10/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	34.18							
9/1/08	10/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
9/1/08	10/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
9/1/08	10/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
9/1/08	10/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE	2.34		2.34					
9/1/08	10/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.43		4.37					
9/1/08	10/1/08	pH - Background - D-00F (CR3) v2	D-00F		7.91	8.16					
9/1/08	10/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		7.98	8.16					
9/1/08	10/1/08	pH - I-0FE (CR3) v2	I-0FE							6.75	6.75
9/1/08	10/1/08	pH - I-0FG (CR3) v2	I-0FG		8.58	8.94					
9/1/08	10/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
9/1/08	10/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			2.15					
9/1/08	10/1/08	Temp Rise - D013 (CR3) v2	D013	7.4		9.5					
9/1/08	10/1/08	Temp-Discharge - D013 (CR3) v2	D013	93.7		96.3					
9/1/08	10/1/08	Temp-Intake - D013 (CR3) v2	D013	86.4		89.7					
9/1/08	10/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
9/1/08	10/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
9/1/08	10/1/08	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
9/1/08	10/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
9/1/08	10/1/08	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
9/1/08	10/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
9/1/08	10/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
9/1/08	10/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
9/1/08	10/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
9/1/08	10/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
9/1/08	10/1/08	TSS - I-0FE (CR3) v2	I-0FE						<4	<4	
9/1/08	10/1/08	TSS - I-0FG (CR3) v2	I-0FG	9.65		25.7					
9/1/08	10/1/08	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	

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9/1/08	10/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
9/1/08	10/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
9/1/08	10/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
9/1/08	10/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
9/1/08	10/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
10/1/08	11/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								MNR
10/1/08	11/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
10/1/08	11/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								MNR
10/1/08	11/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
10/1/08	11/1/08	Flow - I-0FE (CR3) v2	I-0FE				0.00003871	0.0012			
10/1/08	11/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.019636	0.080388			
10/1/08	11/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
10/1/08	11/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.001711	0.013985			
10/1/08	11/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				15.882645	21			
10/1/08	11/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
10/1/08	11/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
10/1/08	11/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
10/1/08	11/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
10/1/08	11/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	38.556							
10/1/08	11/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
10/1/08	11/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
10/1/08	11/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
10/1/08	11/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE	1.5		1.5					
10/1/08	11/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG			2.38			<1.4		
10/1/08	11/1/08	pH - Background - D-00F (CR3) v2	D-00F		7.91	8.16					
10/1/08	11/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		8.04	8.15					
10/1/08	11/1/08	pH - I-0FE (CR3) v2	I-0FE							6.84	6.84
10/1/08	11/1/08	pH - I-0FG (CR3) v2	I-0FG		6.62	8.8					
10/1/08	11/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
10/1/08	11/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			2.2					
10/1/08	11/1/08	Temp Rise - D013 (CR3) v2	D013	13.6		16.6					
10/1/08	11/1/08	Temp-Discharge - D013 (CR3) v2	D013	85.9		95.8					
10/1/08	11/1/08	Temp-Intake - D013 (CR3) v2	D013	72.4		81.9					
10/1/08	11/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
10/1/08	11/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
10/1/08	11/1/08	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
10/1/08	11/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
10/1/08	11/1/08	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
10/1/08	11/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
10/1/08	11/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
10/1/08	11/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
10/1/08	11/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
10/1/08	11/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
10/1/08	11/1/08	TSS - I-0FE (CR3) v2	I-0FE						<4	<4	
10/1/08	11/1/08	TSS - I-0FG (CR3) v2	I-0FG	7.62		9.5					
10/1/08	11/1/08	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
10/1/08	11/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
10/1/08	11/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
10/1/08	11/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
10/1/08	11/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
10/1/08	11/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
11/1/08	12/1/08	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								>100
11/1/08	12/1/08	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
11/1/08	12/1/08	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								>100
11/1/08	12/1/08	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
11/1/08	12/1/08	Flow - I-0FE (CR3) v2	I-0FE				0.000043	0.001281			
11/1/08	12/1/08	Flow - I-0FG (CR3) v2	I-0FG				0.023665	0.08383			
11/1/08	12/1/08	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
11/1/08	12/1/08	Flow-ECST D-00F (CR3) v2	D-00F				0.0014	0.013769			
11/1/08	12/1/08	Flow-Intake - D-00F (CR3) v2	D-00F				17.69467	29.52			
11/1/08	12/1/08	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
11/1/08	12/1/08	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
11/1/08	12/1/08	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
11/1/08	12/1/08	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
11/1/08	12/1/08	Morpholine 1-D-00F (CR3) v2	1-D-00F	27.96							
11/1/08	12/1/08	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
11/1/08	12/1/08	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
11/1/08	12/1/08	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
11/1/08	12/1/08	Oil and Grease - I-0FE (CR3) v2	I-0FE						<1.4	<1.4	
11/1/08	12/1/08	Oil and Grease - I-0FG (CR3) v2	I-0FG	2.54		10.5					

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Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
11/1/08	12/1/08	pH - Background - D-00F (CR3) v2	D-00F		8	8.5					
11/1/08	12/1/08	pH - Effluent - D-00F (CR3) v2	D-00F		7.89	8.21					
11/1/08	12/1/08	pH - I-0FE (CR3) v2	I-0FE							7.05	7.05
11/1/08	12/1/08	pH - I-0FG (CR3) v2	I-0FG		8.33	8.66					
11/1/08	12/1/08	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
11/1/08	12/1/08	Spectrus CT1300 - D00F (CR3) v2	D00F			2.3					
11/1/08	12/1/08	Temp Rise - D013 (CR3) v2	D013	16.6		18.1					
11/1/08	12/1/08	Temp-Discharge - D013 (CR3) v2	D013	73.4		90.3					
11/1/08	12/1/08	Temp-Intake - D013 (CR3) v2	D013	64.6		78					
11/1/08	12/1/08	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
11/1/08	12/1/08	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
11/1/08	12/1/08	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
11/1/08	12/1/08	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
11/1/08	12/1/08	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
11/1/08	12/1/08	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
11/1/08	12/1/08	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
11/1/08	12/1/08	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
11/1/08	12/1/08	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
11/1/08	12/1/08	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
11/1/08	12/1/08	TSS - I-0FE (CR3) v2	I-0FE						<4	<4	
11/1/08	12/1/08	TSS - I-0FG (CR3) v2	I-0FG	10.09		19.9					
11/1/08	12/1/08	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
11/1/08	12/1/08	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
11/1/08	12/1/08	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
11/1/08	12/1/08	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
11/1/08	12/1/08	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
11/1/08	12/1/08	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
12/1/08	1/1/09	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								MNR
12/1/08	1/1/09	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
12/1/08	1/1/09	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								MNR
12/1/08	1/1/09	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
12/1/08	1/1/09	Flow - I-0FE (CR3) v2	I-0FE				3.9935E-05	0.001238			
12/1/08	1/1/09	Flow - I-0FG (CR3) v2	I-0FG				0.0225981	0.084223			
12/1/08	1/1/09	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
12/1/08	1/1/09	Flow-ECST D-00F (CR3) v2	D-00F				0.00311416	0.01382			

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
12/1/08	1/1/09	Flow-Intake - D-00F (CR3) v2	D-00F				19.12455	29.52			
12/1/08	1/1/09	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
12/1/08	1/1/09	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
12/1/08	1/1/09	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
12/1/08	1/1/09	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
12/1/08	1/1/09	Morpholine 1-D-00F (CR3) v2	1-D-00F	31.056							
12/1/08	1/1/09	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
12/1/08	1/1/09	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
12/1/08	1/1/09	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
12/1/08	1/1/09	Oil and Grease - I-0FE (CR3) v2	I-0FE	1.62		1.62					
12/1/08	1/1/09	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.46		5.75					
12/1/08	1/1/09	pH - Background - D-00F (CR3) v2	D-00F		7.97	8.1					
12/1/08	1/1/09	pH - Effluent - D-00F (CR3) v2	D-00F		8.04	8.16					
12/1/08	1/1/09	pH - I-0FE (CR3) v2	I-0FE							7.11	7.11
12/1/08	1/1/09	pH - I-0FG (CR3) v2	I-0FG		7.88	8.89					
12/1/08	1/1/09	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
12/1/08	1/1/09	Spectrus CT1300 - D00F (CR3) v2	D00F			2.4					
12/1/08	1/1/09	Temp Rise - D013 (CR3) v2	D013	16.3		18					
12/1/08	1/1/09	Temp-Discharge - D013 (CR3) v2	D013	78.2		85.1					
12/1/08	1/1/09	Temp-Intake - D013 (CR3) v2	D013	61.8		66.6					
12/1/08	1/1/09	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
12/1/08	1/1/09	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
12/1/08	1/1/09	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
12/1/08	1/1/09	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
12/1/08	1/1/09	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
12/1/08	1/1/09	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
12/1/08	1/1/09	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
12/1/08	1/1/09	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
12/1/08	1/1/09	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
12/1/08	1/1/09	TSS - CD and ECST D-00F (CR3) v2	D-00F						<4.0	<4.0	
12/1/08	1/1/09	TSS - I-0FE (CR3) v2	I-0FE						<4	<4	
12/1/08	1/1/09	TSS - I-0FG (CR3) v2	I-0FG	20.68		37.6					
12/1/08	1/1/09	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
12/1/08	1/1/09	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
12/1/08	1/1/09	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
12/1/08	1/1/09	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
12/1/08	1/1/09	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
12/1/08	1/1/09	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
1/1/09	2/1/09	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								> 100
1/1/09	2/1/09	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
1/1/09	2/1/09	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								> 100
1/1/09	2/1/09	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
1/1/09	2/1/09	Flow - I-0FE (CR3) v2	I-0FE				0	0			
1/1/09	2/1/09	Flow - I-0FG (CR3) v2	I-0FG				0.0192939	0.082759			
1/1/09	2/1/09	Flow-CD System D-00F (CR3) v2	D-00F				0.00874113	0.270975			
1/1/09	2/1/09	Flow-ECST D-00F (CR3) v2	D-00F				0.0020959	0.013998			
1/1/09	2/1/09	Flow-Intake - D-00F (CR3) v2	D-00F				18.608	34.272			
1/1/09	2/1/09	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
1/1/09	2/1/09	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
1/1/09	2/1/09	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
1/1/09	2/1/09	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
1/1/09	2/1/09	Morpholine 1-D-00F (CR3) v2	1-D-00F	31.49							
1/1/09	2/1/09	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
1/1/09	2/1/09	Number of Batches - I-0FE (CR3) v2	I-0FE				0	0			
1/1/09	2/1/09	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
1/1/09	2/1/09	Oil and Grease - I-0FE (CR3) v2	I-0FE						NOD	NOD	
1/1/09	2/1/09	Oil and Grease - I-0FG (CR3) v2	I-0FG	1.4		2.63					
1/1/09	2/1/09	pH - Background - D-00F (CR3) v2	D-00F		8.02	8.16					
1/1/09	2/1/09	pH - Effluent - D-00F (CR3) v2	D-00F		8.01	8.21					
1/1/09	2/1/09	pH - I-0FE (CR3) v2	I-0FE							NOD	NOD
1/1/09	2/1/09	pH - I-0FG (CR3) v2	I-0FG		8.06	8.89					
1/1/09	2/1/09	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
1/1/09	2/1/09	Spectrus CT1300 - D00F (CR3) v2	D00F			1.92					
1/1/09	2/1/09	Temp Rise - D013 (CR3) v2	D013	14.8		17.8					
1/1/09	2/1/09	Temp-Discharge - D013 (CR3) v2	D013	73.9		84.8					
1/1/09	2/1/09	Temp-Intake - D013 (CR3) v2	D013	59.2		68.3					
1/1/09	2/1/09	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
1/1/09	2/1/09	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
1/1/09	2/1/09	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
1/1/09	2/1/09	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	

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Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
1/1/09	2/1/09	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
1/1/09	2/1/09	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
1/1/09	2/1/09	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
1/1/09	2/1/09	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
1/1/09	2/1/09	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
1/1/09	2/1/09	TSS - CD and ECST D-00F (CR3) v2	D-00F						< 4.0	< 4.0	
1/1/09	2/1/09	TSS - I-0FE (CR3) v2	I-0FE						NOD	NOD	
1/1/09	2/1/09	TSS - I-0FG (CR3) v2	I-0FG	14.38		23.7					
1/1/09	2/1/09	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
1/1/09	2/1/09	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
1/1/09	2/1/09	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
1/1/09	2/1/09	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
1/1/09	2/1/09	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
1/1/09	2/1/09	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
2/1/09	3/1/09	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								MNR
2/1/09	3/1/09	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
2/1/09	3/1/09	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								MNR
2/1/09	3/1/09	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
2/1/09	3/1/09	Flow - I-0FE (CR3) v2	I-0FE				0.000046	0.001296			
2/1/09	3/1/09	Flow - I-0FG (CR3) v2	I-0FG				0.02011	0.08355			
2/1/09	3/1/09	Flow-CD System D-00F (CR3) v2	D-00F				0.00652	0.182539			
2/1/09	3/1/09	Flow-ECST D-00F (CR3) v2	D-00F				0.00394	0.014088			
2/1/09	3/1/09	Flow-Intake - D-00F (CR3) v2	D-00F				18.586	29.52			
2/1/09	3/1/09	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
2/1/09	3/1/09	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
2/1/09	3/1/09	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
2/1/09	3/1/09	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
2/1/09	3/1/09	Morpholine 1-D-00F (CR3) v2	1-D-00F	41.56							
2/1/09	3/1/09	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
2/1/09	3/1/09	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
2/1/09	3/1/09	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
2/1/09	3/1/09	Oil and Grease - I-0FE (CR3) v2	I-0FE						< 1.4	< 1.4	
2/1/09	3/1/09	Oil and Grease - I-0FG (CR3) v2	I-0FG	2.07		8					
2/1/09	3/1/09	pH - Background - D-00F (CR3) v2	D-00F		8	8.17					
2/1/09	3/1/09	pH - Effluent - D-00F (CR3) v2	D-00F		8.12	8.2					

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
2/1/09	3/1/09	pH - I-0FE (CR3) v2	I-0FE							6.95	6.95
2/1/09	3/1/09	pH - I-0FG (CR3) v2	I-0FG		8.23	8.98					
2/1/09	3/1/09	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
2/1/09	3/1/09	Spectrus CT1300 - D00F (CR3) v2	D00F							MNR	
2/1/09	3/1/09	Temp Rise - D013 (CR3) v2	D013	13.6		17.4					
2/1/09	3/1/09	Temp-Discharge - D013 (CR3) v2	D013	72.2		80.4					
2/1/09	3/1/09	Temp-Intake - D013 (CR3) v2	D013	58.7		64					
2/1/09	3/1/09	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
2/1/09	3/1/09	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
2/1/09	3/1/09	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
2/1/09	3/1/09	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
2/1/09	3/1/09	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
2/1/09	3/1/09	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
2/1/09	3/1/09	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
2/1/09	3/1/09	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
2/1/09	3/1/09	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
2/1/09	3/1/09	TSS - CD and ECST D-00F (CR3) v2	D-00F						< 4.0	< 4.0	
2/1/09	3/1/09	TSS - I-0FE (CR3) v2	I-0FE						< 4	< 4	
2/1/09	3/1/09	TSS - I-0FG (CR3) v2	I-0FG	13.95		23.9					
2/1/09	3/1/09	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
2/1/09	3/1/09	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
2/1/09	3/1/09	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
2/1/09	3/1/09	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
2/1/09	3/1/09	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
2/1/09	3/1/09	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
3/1/09	4/1/09	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								> 100
3/1/09	4/1/09	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
3/1/09	4/1/09	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								> 100
3/1/09	4/1/09	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
3/1/09	4/1/09	Flow - I-0FE (CR3) v2	I-0FE				0.000037	0.001154			
3/1/09	4/1/09	Flow - I-0FG (CR3) v2	I-0FG				0.02015	0.083083			
3/1/09	4/1/09	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
3/1/09	4/1/09	Flow-ECST D-00F (CR3) v2	D-00F				0.00132971	0.013977			
3/1/09	4/1/09	Flow-Intake - D-00F (CR3) v2	D-00F				17.886	29.52			
3/1/09	4/1/09	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		

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3/1/09	4/1/09	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
3/1/09	4/1/09	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
3/1/09	4/1/09	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
3/1/09	4/1/09	Morpholine 1-D-00F (CR3) v2	1-D-00F	27.01							
3/1/09	4/1/09	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
3/1/09	4/1/09	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
3/1/09	4/1/09	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
3/1/09	4/1/09	Oil and Grease - I-0FE (CR3) v2	I-0FE						< 1.4	< 1.4	
3/1/09	4/1/09	Oil and Grease - I-0FG (CR3) v2	I-0FG			2.63			< 1.4		
3/1/09	4/1/09	pH - Background - D-00F (CR3) v2	D-00F		8.04	8.12					
3/1/09	4/1/09	pH - Effluent - D-00F (CR3) v2	D-00F		8.02	8.13					
3/1/09	4/1/09	pH - I-0FE (CR3) v2	I-0FE							6.84	6.84
3/1/09	4/1/09	pH - I-0FG (CR3) v2	I-0FG		7.88	8.99					
3/1/09	4/1/09	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
3/1/09	4/1/09	Spectrus CT1300 - D00F (CR3) v2	D00F			1.9					
3/1/09	4/1/09	Temp Rise - D013 (CR3) v2	D013	14.8		16.5					
3/1/09	4/1/09	Temp-Discharge - D013 (CR3) v2	D013	81.5		91					
3/1/09	4/1/09	Temp-Intake - D013 (CR3) v2	D013	66.8		74.1					
3/1/09	4/1/09	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
3/1/09	4/1/09	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
3/1/09	4/1/09	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
3/1/09	4/1/09	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
3/1/09	4/1/09	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
3/1/09	4/1/09	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
3/1/09	4/1/09	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
3/1/09	4/1/09	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
3/1/09	4/1/09	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
3/1/09	4/1/09	TSS - CD and ECST D-00F (CR3) v2	D-00F						< 4.0	< 4.0	
3/1/09	4/1/09	TSS - I-0FE (CR3) v2	I-0FE						< 4	< 4	
3/1/09	4/1/09	TSS - I-0FG (CR3) v2	I-0FG	12.68		22.5					
3/1/09	4/1/09	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
3/1/09	4/1/09	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
3/1/09	4/1/09	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
3/1/09	4/1/09	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
3/1/09	4/1/09	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	

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3/1/09	4/1/09	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
4/1/09	5/1/09	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								MNR
4/1/09	5/1/09	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
4/1/09	5/1/09	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								MNR
4/1/09	5/1/09	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
4/1/09	5/1/09	Flow - I-0FE (CR3) v2	I-0FE				3.6967E-05	0.001109			
4/1/09	5/1/09	Flow - I-0FG (CR3) v2	I-0FG				0.020433	0.082037			
4/1/09	5/1/09	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
4/1/09	5/1/09	Flow-ECST D-00F (CR3) v2	D-00F				0.0023064	0.013604			
4/1/09	5/1/09	Flow-Intake - D-00F (CR3) v2	D-00F				29.034	34.272			
4/1/09	5/1/09	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
4/1/09	5/1/09	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
4/1/09	5/1/09	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
4/1/09	5/1/09	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
4/1/09	5/1/09	Morpholine 1-D-00F (CR3) v2	1-D-00F	21.8							
4/1/09	5/1/09	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
4/1/09	5/1/09	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
4/1/09	5/1/09	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
4/1/09	5/1/09	Oil and Grease - I-0FE (CR3) v2	I-0FE						< 1.4	< 1.4	
4/1/09	5/1/09	Oil and Grease - I-0FG (CR3) v2	I-0FG						< 1.4	< 1.4	
4/1/09	5/1/09	pH - Background - D-00F (CR3) v2	D-00F		8.11	8.16					
4/1/09	5/1/09	pH - Effluent - D-00F (CR3) v2	D-00F		8.05	8.16					
4/1/09	5/1/09	pH - I-0FE (CR3) v2	I-0FE							6.04	6.04
4/1/09	5/1/09	pH - I-0FG (CR3) v2	I-0FG		6.05	8.98					
4/1/09	5/1/09	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
4/1/09	5/1/09	Spectrus CT1300 - D00F (CR3) v2	D00F			2.05					
4/1/09	5/1/09	Temp Rise - D013 (CR3) v2	D013	15.7		17.2					
4/1/09	5/1/09	Temp-Discharge - D013 (CR3) v2	D013	87.6		93.9					
4/1/09	5/1/09	Temp-Intake - D013 (CR3) v2	D013	72		77.1					
4/1/09	5/1/09	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
4/1/09	5/1/09	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
4/1/09	5/1/09	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
4/1/09	5/1/09	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
4/1/09	5/1/09	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
4/1/09	5/1/09	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	

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4/1/09	5/1/09	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
4/1/09	5/1/09	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
4/1/09	5/1/09	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
4/1/09	5/1/09	TSS - CD and ECST D-00F (CR3) v2	D-00F						< 4.0	< 4.0	
4/1/09	5/1/09	TSS - I-0FE (CR3) v2	I-0FE						10.3	10.3	
4/1/09	5/1/09	TSS - I-0FG (CR3) v2	I-0FG	11.08		14.9					
4/1/09	5/1/09	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
4/1/09	5/1/09	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
4/1/09	5/1/09	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
4/1/09	5/1/09	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
4/1/09	5/1/09	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
4/1/09	5/1/09	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	
5/1/09	6/1/09	96-Hour Menidia Beryllina P-D-00F (CR3)	P-D-00F								> 100
5/1/09	6/1/09	96-Hour Menidia Beryllina Q-D-00F (CR3)	Q-D-00F								MNR
5/1/09	6/1/09	96-Hour Mysidopsis Bahia P-D-00F (CR3) v2	P-D-00F								> 100
5/1/09	6/1/09	96-Hour Mysidopsis Bahia Q-D-00F (CR3)	Q-D-00F								MNR
5/1/09	6/1/09	Flow - I-0FE (CR3) v2	I-0FE				0.00004213	0.001306			
5/1/09	6/1/09	Flow - I-0FG (CR3) v2	I-0FG				0.01956	0.081227			
5/1/09	6/1/09	Flow-CD System D-00F (CR3) v2	D-00F				0	0			
5/1/09	6/1/09	Flow-ECST D-00F (CR3) v2	D-00F				0.00339	0.014345			
5/1/09	6/1/09	Flow-Intake - D-00F (CR3) v2	D-00F				21.825	34.272			
5/1/09	6/1/09	Hydrazine 1-D-00F (CR3) v2	1-D-00F						MNR		
5/1/09	6/1/09	Hydrazine P-D-00F (CR3) v2	P-D-00F						MNR		
5/1/09	6/1/09	Hydroquinone 1-D-00F (CR3) v2	1-D-00F						MNR		
5/1/09	6/1/09	Hydroquinone P-D-00F (CR3) v2	P-D-00F						MNR		
5/1/09	6/1/09	Morpholine 1-D-00F (CR3) v2	1-D-00F	20.5							
5/1/09	6/1/09	Morpholine P-D-00F (CR3) v2	P-D-00F						MNR		
5/1/09	6/1/09	Number of Batches - I-0FE (CR3) v2	I-0FE				1	1			
5/1/09	6/1/09	Oil and Grease - D-00F (CR3) v2	D-00F							MNR	
5/1/09	6/1/09	Oil and Grease - I-0FE (CR3) v2	I-0FE	2		2					
5/1/09	6/1/09	Oil and Grease - I-0FG (CR3) v2	I-0FG						< 1.4	< 1.4	
5/1/09	6/1/09	pH - Background - D-00F (CR3) v2	D-00F		7.94	8.16					
5/1/09	6/1/09	pH - Effluent - D-00F (CR3) v2	D-00F		8.01	8.16					
5/1/09	6/1/09	pH - I-0FE (CR3) v2	I-0FE							6.1	6.1
5/1/09	6/1/09	pH - I-0FG (CR3) v2	I-0FG		8.2	8.88					

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5/1/09	6/1/09	Residual Ox - Time of Discharge D013 (CR3)	D013			0					
5/1/09	6/1/09	Spectrus CT1300 - D00F (CR3) v2	D00F			1.8					
5/1/09	6/1/09	Temp Rise - D013 (CR3) v2	D013	12.6		14.7					
5/1/09	6/1/09	Temp-Discharge - D013 (CR3) v2	D013	91.7		95.6					
5/1/09	6/1/09	Temp-Intake - D013 (CR3) v2	D013	79.3		85.1					
5/1/09	6/1/09	Total Ammonia 1-D-00F (CR3) v2	1-D-00F						MNR		
5/1/09	6/1/09	Total Ammonia P-D-00F (CR3) v2	P-D-00F						MNR		
5/1/09	6/1/09	Total Copper - D00F (CR3) v2	D00F						MNR	MNR	
5/1/09	6/1/09	Total Copper - I-0FG (CR3) v2	I-0FG							MNR	
5/1/09	6/1/09	Total Iron- D-00F (CR3) v2	D-00F						MNR	MNR	
5/1/09	6/1/09	Total Iron- I-0FG (CR3) v2	I-0FG							MNR	
5/1/09	6/1/09	Total Recoverable Copper - D-00F (CR3) v2	D-00F						MNR	MNR	
5/1/09	6/1/09	Total Recoverable Iron - D-00F (CR3) v2	D-00F						MNR	MNR	
5/1/09	6/1/09	Total Residual Ox 1-D013 (CR3) v2	1-D013						MNR	MNR	
5/1/09	6/1/09	TSS - CD and ECST D-00F (CR3) v2	D-00F						< 4.0	< 4.0	
5/1/09	6/1/09	TSS - I-0FE (CR3) v2	I-0FE						10.2	10.2	
5/1/09	6/1/09	TSS - I-0FG (CR3) v2	I-0FG	7.67		13.9					
5/1/09	6/1/09	TSS P-D-00F (CR3) v2	P-D-00F						MNR	MNR	
5/1/09	6/1/09	TSS Q-D-00F (CR3) v2	Q-D-00F						MNR	MNR	
5/1/09	6/1/09	Turbidity - Background - D-00F (CR3) v2	D-00F							MNR	
5/1/09	6/1/09	Turbidity - Calc Limit - D-00F (CR3) v2	D-00F							MNR	
5/1/09	6/1/09	Turbidity - Difference D-00F (CR3) v2	D-00F							MNR	
5/1/09	6/1/09	Turbidity - Effluent D-00F (CR3) v2	D-00F							MNR	

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Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
1/1/04	2/1/04	Flow - D011 (CRS)	D011				1551	1556.8			
1/1/04	2/1/04	Flow - Intake - D071 (CRS)	D071				0	0			
1/1/04	2/1/04	Flow - Intake - D072 (CRS)	D072				0	0			
1/1/04	2/1/04	Resid Ox - Dis Time - D071 (CRS)	D071			0					
1/1/04	2/1/04	Resid Ox - Dis Time - D072 (CRS)	D072			0					
1/1/04	2/1/04	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
1/1/04	2/1/04	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
1/1/04	2/1/04	Temp Rise - D011 (CRS)	D011	15.4		16.6					
1/1/04	2/1/04	Temp Rise - D012 (CRS)	D012	15.4		16.6					
1/1/04	2/1/04	Temp-Discharge - D011 (CRS)	D011	74.4		84					
1/1/04	2/1/04	Temp-Discharge - D012 (CRS)	D012	74.4		84					
1/1/04	2/1/04	Temp-Intake - D011 (CRS)	D011	59		66.4					
1/1/04	2/1/04	Temp-Intake - D012 (CRS)	D012	59		66.4					
2/1/04	3/1/04	Flow - D011 (CRS)	D011				1410.5	1556.8			
2/1/04	3/1/04	Flow - Intake - D071 (CRS)	D071				0	0			
2/1/04	3/1/04	Flow - Intake - D072 (CRS)	D072				0	0			
2/1/04	3/1/04	Resid Ox - Dis Time - D071 (CRS)	D071			0					
2/1/04	3/1/04	Resid Ox - Dis Time - D072 (CRS)	D072			0					
2/1/04	3/1/04	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
2/1/04	3/1/04	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
2/1/04	3/1/04	Temp Rise - D011 (CRS)	D011	13.2		14.9					
2/1/04	3/1/04	Temp Rise - D012 (CRS)	D012	13.2		14.9					
2/1/04	3/1/04	Temp-Discharge - D011 (CRS)	D011	74		78.6					
2/1/04	3/1/04	Temp-Discharge - D012 (CRS)	D012	74		78.6					
2/1/04	3/1/04	Temp-Intake - D011 (CRS)	D011	60.8		66.1					
2/1/04	3/1/04	Temp-Intake - D012 (CRS)	D012	60.8		66.1					
3/1/04	4/1/04	Flow - D011 (CRS)	D011				1391.9	1556.8			
3/1/04	4/1/04	Flow - Intake - D071 (CRS)	D071				0	0			
3/1/04	4/1/04	Flow - Intake - D072 (CRS)	D072				0	0			
3/1/04	4/1/04	pH - Background - 7-D071 (CRS)	7-D071		8.1	8.1					
3/1/04	4/1/04	pH - Background - 7-D072 (CRS)	7-D071		8.1	8.1					
3/1/04	4/1/04	pH - Effluent - P-D071 (CRS)	P-D071		8.1	8.1					
3/1/04	4/1/04	pH - Effluent - P-D072 (CRS)	P-D072		8.1	8.1					
3/1/04	4/1/04	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		1	-0.4					

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3/1/04	4/1/04	pH - Ex of Calc Limit - R-D072 (CRS)	R-D072		1	-0.4					
3/1/04	4/1/04	pH -Calc Limit - Q-D071 (CRS)	Q-D071		7.1	8.5					
3/1/04	4/1/04	pH -Calc Limit - Q-D072 (CRS)	Q-D072		7.1	8.5					
3/1/04	4/1/04	Resid Ox - Dis Time - D071 (CRS)	D071			0					
3/1/04	4/1/04	Resid Ox - Dis Time - D072 (CRS)	D072			0					
3/1/04	4/1/04	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
3/1/04	4/1/04	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
3/1/04	4/1/04	Temp Rise - D011 (CRS)	D011	13.4		17.4					
3/1/04	4/1/04	Temp Rise - D012 (CRS)	D012	13.4		17.4					
3/1/04	4/1/04	Temp-Discharge - D011 (CRS)	D011	81.2		88.1					
3/1/04	4/1/04	Temp-Discharge - D012 (CRS)	D012	81.2		88.1					
3/1/04	4/1/04	Temp-Intake - D011 (CRS)	D011	67.8		73					
3/1/04	4/1/04	Temp-Intake - D012 (CRS)	D012	67.8		73					
4/1/04	5/1/04	Flow - D011 (CRS)	D011				1446.8	1556.8			
4/1/04	5/1/04	Flow - Intake - D071 (CRS)	D071				0.01	0.03			
4/1/04	5/1/04	Flow - Intake - D072 (CRS)	D072				75.02	184.73			
4/1/04	5/1/04	pH - Background - 7-D071 (CRS)	7-D071		8	8					
4/1/04	5/1/04	pH - Background - 7-D072 (CRS)	7-D072		8	8					
4/1/04	5/1/04	pH - Effluent - P-D071 (CRS)	P-D071		7.9	7.9					
4/1/04	5/1/04	pH - Effluent - P-D072 (CRS)	P-D072		8	8					
4/1/04	5/1/04	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		1	-0.5					
4/1/04	5/1/04	pH - Ex of Calc Limit - R-D072 (CRS)	R-D072		1	-0.5					
4/1/04	5/1/04	pH -Calc Limit - Q-D071 (CRS)	Q-D071		6.9	8.5					
4/1/04	5/1/04	pH -Calc Limit - Q-D072 (CRS)	Q-D072		7	8.5					
4/1/04	5/1/04	Resid Ox - Dis Time - D071 (CRS)	D071			0					
4/1/04	5/1/04	Resid Ox - Dis Time - D072 (CRS)	D072			0					
4/1/04	5/1/04	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
4/1/04	5/1/04	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
4/1/04	5/1/04	Temp Rise - D011 (CRS)	D011	14.2		15.9					
4/1/04	5/1/04	Temp Rise - D012 (CRS)	D012	14.2		15.9					
4/1/04	5/1/04	Temp-Discharge - D011 (CRS)	D011	86		95.4					
4/1/04	5/1/04	Temp-Discharge - D012 (CRS)	D012	86		95.4					
4/1/04	5/1/04	Temp-Intake - D011 (CRS)	D011	71.7		78.5					
4/1/04	5/1/04	Temp-Intake - D012 (CRS)	D012	71.7		78.5					

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5/1/04	6/1/04	Flow - D011 (CRS)	D011				1709.6	1774.8			
5/1/04	6/1/04	Flow - Intake - D071 (CRS)	D071				142.07	502.47			
5/1/04	6/1/04	Flow - Intake - D072 (CRS)	D072				148.78	474.82			
5/1/04	6/1/04	pH - Background - 7-D071 (CRS)	7-D071		8.2	8.2					
5/1/04	6/1/04	pH - Background - 7-D072 (CRS)	7-D072		8.2	8.2					
5/1/04	6/1/04	pH - Effluent - P-D071 (CRS)	P-D071		8.2	8.2					
5/1/04	6/1/04	pH - Effluent - P-D072 (CRS)	P-D072		8.2	8.2					
5/1/04	6/1/04	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		1	-0.3					
5/1/04	6/1/04	pH - Ex of Calc Limit - R-D072 (CRS)	R-D072		1	-0.3					
5/1/04	6/1/04	pH -Calc Limit - Q-D071 (CRS)	Q-D071		7.2	8.5					
5/1/04	6/1/04	pH -Calc Limit - Q-D072 (CRS)	Q-D072		7.2	8.5					
5/1/04	6/1/04	Resid Ox - Dis Time - D071 (CRS)	D071			0					
5/1/04	6/1/04	Resid Ox - Dis Time - D072 (CRS)	D072			0					
5/1/04	6/1/04	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
5/1/04	6/1/04	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
5/1/04	6/1/04	Temp Rise - D011 (CRS)	D011	12		15.3					
5/1/04	6/1/04	Temp Rise - D012 (CRS)	D012	12		15.3					
5/1/04	6/1/04	Temp-Discharge - D011 (CRS)	D011	92.9		96.1					
5/1/04	6/1/04	Temp-Discharge - D012 (CRS)	D012	92.9		96.1					
5/1/04	6/1/04	Temp-Intake - D011 (CRS)	D011	80.9		87.4					
5/1/04	6/1/04	Temp-Intake - D012 (CRS)	D012	80.9		87.4					
6/1/04	7/1/04	Flow - D011 (CRS)	D011				1760.4	1774.8			
6/1/04	7/1/04	Flow - Intake - D071 (CRS)	D071				491.73	504			
6/1/04	7/1/04	Flow - Intake - D072 (CRS)	D072				477.27	504			
6/1/04	7/1/04	pH - Background - 7-D071 (CRS)	7-D071		8.2	8.2					
6/1/04	7/1/04	pH - Background - 7-D072 (CRS)	7-D072		8.2	8.2					
6/1/04	7/1/04	pH - Effluent - P-D071 (CRS)	P-D071		8.3	8.3					
6/1/04	7/1/04	pH - Effluent - P-D072 (CRS)	P-D072		8.3	8.3					
6/1/04	7/1/04	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		1	-0.2					
6/1/04	7/1/04	pH - Ex of Calc Limit - R-D072 (CRS)	R-D072		1	0.2					
6/1/04	7/1/04	pH -Calc Limit - Q-D071 (CRS)	Q-D071		7.3	8.5					
6/1/04	7/1/04	pH -Calc Limit - Q-D072 (CRS)	Q-D072		7.3	8.5					
6/1/04	7/1/04	Resid Ox - Dis Time - D071 (CRS)	D071			0					
6/1/04	7/1/04	Resid Ox - Dis Time - D072 (CRS)	D072			0					

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6/1/04	7/1/04	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
6/1/04	7/1/04	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
6/1/04	7/1/04	Temp Rise - D011 (CRS)	D011	6.5		8					
6/1/04	7/1/04	Temp Rise - D012 (CRS)	D012	6.5		8					
6/1/04	7/1/04	Temp-Discharge - D011 (CRS)	D011	94.1		96.8					
6/1/04	7/1/04	Temp-Discharge - D012 (CRS)	D012	94.1		96.8					
6/1/04	7/1/04	Temp-Intake - D011 (CRS)	D011	87.6		90.7					
6/1/04	7/1/04	Temp-Intake - D012 (CRS)	D012	87.6		90.7					
7/1/04	8/1/04	Flow - D011 (CRS)	D011				1739.8	1774.8			
7/1/04	8/1/04	Flow - Intake - D071 (CRS)	D071				480.15	504			
7/1/04	8/1/04	Flow - Intake - D072 (CRS)	D072				473.41	504			
7/1/04	8/1/04	pH - Background - 7-D071 (CRS)	7-D071		8.1	8.1					
7/1/04	8/1/04	pH - Background - 7-D072 (CRS)	7-D072		8.1	8.1					
7/1/04	8/1/04	pH - Effluent - P-D071 (CRS)	P-D071		8.2	8.2					
7/1/04	8/1/04	pH - Effluent - P-D072 (CRS)	P-D072		8.2	8.2					
7/1/04	8/1/04	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		1	-0.3					
7/1/04	8/1/04	pH - Ex of Calc Limit - R-D072 (CRS)	R-D072		1	-0.3					
7/1/04	8/1/04	pH -Calc Limit - Q-D071 (CRS)	Q-D071		7.2	8.5					
7/1/04	8/1/04	pH -Calc Limit - Q-D072 (CRS)	Q-D072		7.2	8.5					
7/1/04	8/1/04	Resid Ox - Dis Time - D071 (CRS)	D071			0					
7/1/04	8/1/04	Resid Ox - Dis Time - D072 (CRS)	D072			0					
7/1/04	8/1/04	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
7/1/04	8/1/04	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
7/1/04	8/1/04	Temp Rise - D011 (CRS)	D011	6.4		9.8					
7/1/04	8/1/04	Temp Rise - D012 (CRS)	D012	6.4		9.8					
7/1/04	8/1/04	Temp-Discharge - D011 (CRS)	D011	94.1		96.2					
7/1/04	8/1/04	Temp-Discharge - D012 (CRS)	D012	94.1		96.2					
7/1/04	8/1/04	Temp-Intake - D011 (CRS)	D011	87.6		90.8					
7/1/04	8/1/04	Temp-Intake - D012 (CRS)	D012	87.6		90.8					
8/1/04	9/1/04	Flow - D011 (CRS)	D011				1713.9	1774.8			
8/1/04	9/1/04	Flow - Intake - D071 (CRS)	D071				430.95	504			
8/1/04	9/1/04	Flow - Intake - D072 (CRS)	D072				430.12	504			
8/1/04	9/1/04	pH - Background - 7-D071 (CRS)	7-D071		8.1	8.1					
8/1/04	9/1/04	pH - Background - 7-D072 (CRS)	7-D072		8.1	8.1					

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8/1/04	9/1/04	pH - Effluent - P-D071 (CRS)	P-D071		8.1	8.1					
8/1/04	9/1/04	pH - Effluent - P-D072 (CRS)	P-D072		8.2	8.2					
8/1/04	9/1/04	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		1	-0.4					
8/1/04	9/1/04	pH - Ex of Calc Limit - R-D072 (CRS)	R-D072		1	-0.3					
8/1/04	9/1/04	pH -Calc Limit - Q-D071 (CRS)	Q-D071		7.1	8.5					
8/1/04	9/1/04	pH -Calc Limit - Q-D072 (CRS)	Q-D072		7.2	8.5					
8/1/04	9/1/04	Resid Ox - Dis Time - D071 (CRS)	D071			0					
8/1/04	9/1/04	Resid Ox - Dis Time - D072 (CRS)	D072			0					
8/1/04	9/1/04	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
8/1/04	9/1/04	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
8/1/04	9/1/04	Temp Rise - D011 (CRS)	D011	8.1		11.2					
8/1/04	9/1/04	Temp Rise - D012 (CRS)	D012	8.1		11.2					
8/1/04	9/1/04	Temp-Discharge - D011 (CRS)	D011	93.8		96.2					
8/1/04	9/1/04	Temp-Discharge - D012 (CRS)	D012	93.8		96.2					
8/1/04	9/1/04	Temp-Intake - D011 (CRS)	D011	85.7		88.2					
8/1/04	9/1/04	Temp-Intake - D012 (CRS)	D012	85.7		88.2					
9/1/04	10/1/04	Arsenic - D0H (CRS)	D0H			1.6					
9/1/04	10/1/04	Cadmium - D0H (CRS)	D0H			3.6					
9/1/04	10/1/04	Chromium - D0H (CRS)	D0H			13					
9/1/04	10/1/04	Copper - D0H (CRS)	D0H			260					
9/1/04	10/1/04	Flow - D011 (CRS)	D011				1661.1	1774.8			
9/1/04	9/30/04	Flow - D0H (CRS)	D0H					0.5			
9/1/04	10/1/04	Flow - Intake - D071 (CRS)	D071				251.14	504			
9/1/04	10/1/04	Flow - Intake - D072 (CRS)	D072				170.72	504			
9/1/04	10/1/04	Iron - D0H (CRS)	D0H			77000					
9/1/04	10/1/04	Lead - D0H (CRS)	D0H			2.2					
9/1/04	10/1/04	Mercury - D0H (CRS)	D0H							0.1 U	
9/1/04	10/1/04	Nickel - D0H (CRS)	D0H			360					
9/1/04	10/1/04	pH - Background - 7-D071 (CRS)	7-D071		8	8					
9/1/04	10/1/04	pH - Background - 7-D072 (CRS)	7-D072		8	8					
9/1/04	9/30/04	pH - Background - D0H (CRS)	D0H		8	8					
9/1/04	9/30/04	pH - Calc Limit - D0H (CRS)	D0H		7	8.5					
9/1/04	9/30/04	pH - Difference - D0H (CRS)	D0H		-4.3	-5.8					
9/1/04	9/30/04	pH - Effluent - D0H (CRS)	D0H		2.7	2.7					

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9/1/04	10/1/04	pH - Effluent - P-D071 (CRS)	P-D071		8	8					
9/1/04	10/1/04	pH - Effluent - P-D072 (CRS)	P-D072		8	8					
9/1/04	10/1/04	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		1	-0.5					
9/1/04	10/1/04	pH - Ex of Calc Limit - R-D072 (CRS)	R-D072		1	-0.5					
9/1/04	10/1/04	pH -Calc Limit - Q-D071 (CRS)	Q-D071		7	8.5					
9/1/04	10/1/04	pH -Calc Limit - Q-D072 (CRS)	Q-D072		7	8.5					
9/1/04	10/1/04	Resid Ox - Dis Time - D071 (CRS)	D071			0					
9/1/04	10/1/04	Resid Ox - Dis Time - D072 (CRS)	D072			0					
9/1/04	10/1/04	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
9/1/04	10/1/04	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
9/1/04	10/1/04	Selenium - D0H (CRS)	D0H			1.5					
9/1/04	10/1/04	Temp Rise - D011 (CRS)	D011	10.1		13.4					
9/1/04	10/1/04	Temp Rise - D012 (CRS)	D012	10.1		13.4					
9/1/04	10/1/04	Temp-Discharge - D011 (CRS)	D011	92		101.9					
9/1/04	10/1/04	Temp-Discharge - D012 (CRS)	D012	92		101.9					
9/1/04	10/1/04	Temp-Intake - D011 (CRS)	D011	82.1		88.4					
9/1/04	10/1/04	Temp-Intake - D012 (CRS)	D012	82.1		88.4					
9/1/04	10/1/04	TSS - D0H (CRS)	D0H			17					
9/1/04	10/1/04	Vanadium - D0H (CRS)	D0H							10 U	
9/1/04	10/1/04	Zinc - D0H (CRS)	D0H			820					
10/1/04	11/1/04	Flow - D011 (CRS)	D011				1691.8	1774.7			
10/1/04	11/1/04	Flow - Intake - D071 (CRS)	D071				128.57	252			
10/1/04	11/1/04	Flow - Intake - D072 (CRS)	D072				284.47	504			
10/1/04	11/1/04	pH - Background - 7-D071 (CRS)	7-D071		8	8					
10/1/04	11/1/04	pH - Background - 7-D072 (CRS)	7-D072		8	8					
10/1/04	11/1/04	pH - Effluent - P-D071 (CRS)	P-D071		7.9	7.9					
10/1/04	11/1/04	pH - Effluent - P-D072 (CRS)	P-D072		7.9	7.9					
10/1/04	11/1/04	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		0.9	-0.6					
10/1/04	11/1/04	pH - Ex of Calc Limit - R-D072 (CRS)	R-D072		0.9	-0.6					
10/1/04	11/1/04	pH -Calc Limit - Q-D071 (CRS)	Q-D071		7	8.5					
10/1/04	11/1/04	pH -Calc Limit - Q-D072 (CRS)	Q-D072		7	8.5					
10/1/04	11/1/04	Resid Ox - Dis Time - D071 (CRS)	D071			0					
10/1/04	11/1/04	Resid Ox - Dis Time - D072 (CRS)	D072			0					
10/1/04	11/1/04	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					

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10/1/04	11/1/04	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
10/1/04	11/1/04	Temp Rise - D011 (CRS)	D011	12.4		14.3					
10/1/04	11/1/04	Temp Rise - D012 (CRS)	D012	12.4		14.3					
10/1/04	11/1/04	Temp-Discharge - D011 (CRS)	D011	91.6		95.4					
10/1/04	11/1/04	Temp-Discharge - D012 (CRS)	D012	91.6		95.4					
10/1/04	11/1/04	Temp-Intake - D011 (CRS)	D011	79.2		84.6					
10/1/04	11/1/04	Temp-Intake - D012 (CRS)	D012	79.2		84.6					
11/1/04	12/1/04	Flow - D011 (CRS)	D011				1587.6	1611.9			
11/1/04	12/1/04	Flow - Intake - D071 (CRS)	D071				0	0			
11/1/04	12/1/04	Flow - Intake - D072 (CRS)	D072				43.34	80.37			
11/1/04	12/1/04	pH - Background - 7-D071 (CRS)	7-D071		8.2	8.2					
11/1/04	12/1/04	pH - Background - 7-D072 (CRS)	7-D072		8.2	8.2					
11/1/04	12/1/04	pH - Effluent - P-D071 (CRS)	P-D071		8	8					
11/1/04	12/1/04	pH - Effluent - P-D072 (CRS)	P-D072		8	8					
11/1/04	12/1/04	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		0.8	-0.5					
11/1/04	12/1/04	pH - Ex of Calc Limit - R-D072 (CRS)	R-D072		0.8	-0.5					
11/1/04	12/1/04	pH -Calc Limit - Q-D071 (CRS)	Q-D071		7.2	8.5					
11/1/04	12/1/04	pH -Calc Limit - Q-D072 (CRS)	Q-D072		7.2	8.5					
11/1/04	12/1/04	Resid Ox - Dis Time - D071 (CRS)	D071			0					
11/1/04	12/1/04	Resid Ox - Dis Time - D072 (CRS)	D072			0					
11/1/04	12/1/04	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
11/1/04	12/1/04	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
11/1/04	12/1/04	Temp Rise - D011 (CRS)	D011	14.2		15.5					
11/1/04	12/1/04	Temp Rise - D012 (CRS)	D012	14.2		15.5					
11/1/04	12/1/04	Temp-Discharge - D011 (CRS)	D011	86.2		95.7					
11/1/04	12/1/04	Temp-Discharge - D012 (CRS)	D012	86.2		95.7					
11/1/04	12/1/04	Temp-Intake - D011 (CRS)	D011	72		80.4					
11/1/04	12/1/04	Temp-Intake - D012 (CRS)	D012	72		80.4					
12/1/04	1/1/05	Flow - D011 (CRS)	D011				1598.4	1611.9			
12/1/04	1/1/05	Flow - Intake - D071 (CRS)	D071				0	0			
12/1/04	1/1/05	Flow - Intake - D072 (CRS)	D072				0	0			
12/1/04	1/1/05	pH - Background - 7-D071 (CRS)	7-D071		8.1	8.1					
12/1/04	1/1/05	pH - Background - 7-D072 (CRS)	7-D072		8.1	8.1					
12/1/04	1/1/05	pH - Effluent - P-D071 (CRS)	P-D071		8.1	8.1					

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Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
12/1/04	1/1/05	pH - Effluent - P-D072 (CRS)	P-D072		8	8					
12/1/04	1/1/05	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		1	-0.4					
12/1/04	1/1/05	pH - Ex of Calc Limit - R-D072 (CRS)	R-D072		0.9	-0.5					
12/1/04	1/1/05	pH -Calc Limit - Q-D071 (CRS)	Q-D071		7.1	8.5					
12/1/04	1/1/05	pH -Calc Limit - Q-D072 (CRS)	Q-D072		7.1	8.5					
12/1/04	1/1/05	Resid Ox - Dis Time - D071 (CRS)	D071			0					
12/1/04	1/1/05	Resid Ox - Dis Time - D072 (CRS)	D072			0					
12/1/04	1/1/05	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
12/1/04	1/1/05	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
12/1/04	1/1/05	Temp Rise - D011 (CRS)	D011	14.7		16.1					
12/1/04	1/1/05	Temp Rise - D012 (CRS)	D012	14.7		16.1					
12/1/04	1/1/05	Temp-Discharge - D011 (CRS)	D011	75.3		86.4					
12/1/04	1/1/05	Temp-Discharge - D012 (CRS)	D012	75.3		86.4					
12/1/04	1/1/05	Temp-Intake - D011 (CRS)	D011	60.6		71					
12/1/04	1/1/05	Temp-Intake - D012 (CRS)	D012	60.6		71					
1/1/05	2/1/05	Flow - D011 (CRS)	D011				1586.1	1611.9			
1/1/05	2/1/05	Flow - Intake - D071 (CRS)	D071				0	0			
1/1/05	2/1/05	Flow - Intake - D072 (CRS)	D072				0	0			
1/1/05	2/1/05	pH - Background - 7-D071 (CRS)	7-D071		8.2	8.2					
1/1/05	2/1/05	pH - Background - 7-D072 (CRS)	7-D072		8.2	8.2					
1/1/05	2/1/05	Resid Ox - Dis Time - D071 (CRS)	D071			0					
1/1/05	2/1/05	Resid Ox - Dis Time - D072 (CRS)	D072			0					
1/1/05	2/1/05	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
1/1/05	2/1/05	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
1/1/05	2/1/05	Temp Rise - D011 (CRS)	D011	14.3		15.9					
1/1/05	2/1/05	Temp Rise - D012 (CRS)	D012	14.3		15.9					
1/1/05	2/1/05	Temp-Discharge - D011 (CRS)	D011	75.3		85.3					
1/1/05	2/1/05	Temp-Discharge - D012 (CRS)	D012	75.3		85.3					
1/1/05	2/1/05	Temp-Intake - D011 (CRS)	D011	60.9		69.5					
1/1/05	2/1/05	Temp-Intake - D012 (CRS)	D012	60.9		69.5					
2/1/05	3/1/05	Flow - D011 (CRS)	D011				1525	1611.9			
2/1/05	3/1/05	Flow - Intake - D071 (CRS)	D071				0	0			
2/1/05	3/1/05	Flow - Intake - D072 (CRS)	D072				0	0			
2/1/05	3/1/05	pH - Background - 7-D071 (CRS)	7-D071		8.1	8.1					

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2/1/05	3/1/05	pH - Background - 7-D072 (CRS)	7-D072		8.1	8.1					
2/1/05	3/1/05	Resid Ox - Dis Time - D071 (CRS)	D071			0					
2/1/05	3/1/05	Resid Ox - Dis Time - D072 (CRS)	D072			0					
2/1/05	3/1/05	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
2/1/05	3/1/05	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
2/1/05	3/1/05	Temp Rise - D011 (CRS)	D011	13.5		15.1					
2/1/05	3/1/05	Temp Rise - D012 (CRS)	D012	13.5		15.1					
2/1/05	3/1/05	Temp-Discharge - D011 (CRS)	D011	75.3		81.3					
2/1/05	3/1/05	Temp-Discharge - D012 (CRS)	D012	75.3		81.3					
2/1/05	3/1/05	Temp-Intake - D011 (CRS)	D011	61.8		66.6					
2/1/05	3/1/05	Temp-Intake - D012 (CRS)	D012	61.8		66.6					
3/1/05	4/1/05	Flow - D011 (CRS)	D011				1585.8	1611.9			
3/1/05	4/1/05	Flow - Intake - D071 (CRS)	D071				30.31	59.09			
3/1/05	4/1/05	Flow - Intake - D072 (CRS)	D072				23.01	50.65			
3/1/05	4/1/05	pH - Background - 7-D071 (CRS)	7-D071		8.05	8.05					
3/1/05	4/1/05	pH - Background - 7-D072 (CRS)	7-D072		8.05	8.05					
3/1/05	4/1/05	Resid Ox - Dis Time - D071 (CRS)	D071			0					
3/1/05	4/1/05	Resid Ox - Dis Time - D072 (CRS)	D072			0					
3/1/05	4/1/05	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
3/1/05	4/1/05	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
3/1/05	4/1/05	Temp Rise - D011 (CRS)	D011	14.5		15.9					
3/1/05	4/1/05	Temp Rise - D012 (CRS)	D012	14.5		15.9					
3/1/05	4/1/05	Temp-Discharge - D011 (CRS)	D011	80.3		88.9					
3/1/05	4/1/05	Temp-Discharge - D012 (CRS)	D012	80.3		88.9					
3/1/05	4/1/05	Temp-Intake - D011 (CRS)	D011	65.8		73.4					
3/1/05	4/1/05	Temp-Intake - D012 (CRS)	D012	65.8		73.4					
4/1/05	5/1/05	Flow - D011 (CRS)	D011				1495.8	1611.9			
4/1/05	5/1/05	Flow - Intake - D071 (CRS)	D071				26.78	26.78			
4/1/05	5/1/05	Flow - Intake - D072 (CRS)	D072				72.28	72.28			
4/1/05	5/1/05	Resid Ox - Dis Time - D071 (CRS)	D071			0					
4/1/05	5/1/05	Resid Ox - Dis Time - D072 (CRS)	D072			0					
4/1/05	5/1/05	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
4/1/05	5/1/05	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
4/1/05	5/1/05	Temp Rise - D011 (CRS)	D011	13.8		14.9					

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4/1/05	5/1/05	Temp Rise - D012 (CRS)	D012	13.8		14.9					
4/1/05	5/1/05	Temp-Discharge - D011 (CRS)	D011	85.3		91.1					
4/1/05	5/1/05	Temp-Discharge - D012 (CRS)	D012	85.3		91.1					
4/1/05	5/1/05	Temp-Intake - D011 (CRS)	D011	71.5		75.3					
4/1/05	5/1/05	Temp-Intake - D012 (CRS)	D012	71.5		75.3					
5/1/05	6/1/05	Flow - D011 (CRS)	D011				1663.1	1693.3			
5/1/05	6/1/05	Flow - Intake - D071 (CRS)	D071				85.53	294.53			
5/1/05	6/1/05	Flow - Intake - D072 (CRS)	D072				124.66	395.44			
5/1/05	6/1/05	pH - Background - 7-D071 (CRS)	7-D071		8.02	8.02					
5/1/05	6/1/05	pH - Effluent - P-D071 (CRS)	P-D071		8.2	8.2					
5/1/05	6/1/05	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		1.2	-0.3					
5/1/05	6/1/05	pH -Calc Limit - Q-D071 (CRS)	Q-D071		7.02	8.5					
5/1/05	6/1/05	Resid Ox - Dis Time - D071 (CRS)	D071			0					
5/1/05	6/1/05	Resid Ox - Dis Time - D072 (CRS)	D072			0					
5/1/05	6/1/05	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
5/1/05	6/1/05	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
5/1/05	6/1/05	Temp Rise - D011 (CRS)	D011	11.6		13.5					
5/1/05	6/1/05	Temp Rise - D012 (CRS)	D012	11.6		13.5					
5/1/05	6/1/05	Temp-Discharge - D011 (CRS)	D011	91		95.5					
5/1/05	6/1/05	Temp-Discharge - D012 (CRS)	D012	91		95.5					
5/1/05	6/1/05	Temp-Intake - D011 (CRS)	D011	79.4		85.5					
5/1/05	6/1/05	Temp-Intake - D012 (CRS)	D012	79.4		85.5					
6/1/05	7/1/05	Flow - D011 (CRS)	D011				1684.5	1696.3			
6/1/05	7/1/05	Flow - Intake - D071 (CRS)	D071				358.34	504			
6/1/05	7/1/05	Flow - Intake - D072 (CRS)	D072				364.94	504			
6/1/05	7/1/05	Flow D-600 (CRS) v2	D-600					0.01			
6/1/05	7/1/05	pH - Background - 7-D071 (CRS)	7-D071		8.08	8.08					
6/1/05	7/1/05	pH - Background - 7-D072 (CRS)	7-D072		8.08	8.08					
6/1/05	7/1/05	pH - Effluent - P-D071 (CRS)	P-D071		8.15	8.15					
6/1/05	7/1/05	pH - Effluent - P-D072 (CRS)	P-D072		8.17	8.17					
6/1/05	7/1/05	pH - Ex of Calc Limit - R-D071 (CRS)	R-D071		1.1	-0.35					
6/1/05	7/1/05	pH - Ex of Calc Limit - R-D072 (CRS)	R-D072		1.1	-0.33					
6/1/05	7/1/05	pH -Calc Limit - Q-D071 (CRS)	Q-D071		7.08	8.5					
6/1/05	7/1/05	pH -Calc Limit - Q-D072 (CRS)	Q-D072		7.08	8.5					

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6/1/05	7/1/05	Resid Ox - Dis Time - D071 (CRS)	D071			0					
6/1/05	7/1/05	Resid Ox - Dis Time - D072 (CRS)	D072			0					
6/1/05	7/1/05	Resid Ox - Dis Time P-D011 (CRS)	P-D011			0					
6/1/05	7/1/05	Resid Ox - Dis Time P-D012 (CRS)	P-D012			0					
6/1/05	7/1/05	Temp Rise - D011 (CRS)	D011	8.6		11.9					
6/1/05	7/1/05	Temp Rise - D012 (CRS)	D012	8.6		11.9					
6/1/05	7/1/05	Temp-Discharge - D011 (CRS)	D011	93.3		95.6					
6/1/05	7/1/05	Temp-Discharge - D012 (CRS)	D012	93.3		95.6					
6/1/05	7/1/05	Temp-Intake - D011 (CRS)	D011	84.7		89.6					
6/1/05	7/1/05	Temp-Intake - D012 (CRS)	D012	84.7		89.6					
6/1/05	7/1/05	Total Recoverable Iron D-600 (CRS) v2	D-600			17000					
7/1/05	8/1/05	Flow - D011 (CRS) v2	D011				1664	1693.3			
7/1/05	8/1/05	Flow - Intake - D071 (CRS) v2	D071				443.82	504			
7/1/05	8/1/05	Flow - Intake - D072 (CRS) v2	D072				478.24	504			
7/1/05	8/1/05	Flow D-600 (CRS) v2	D-600					0.01			
7/1/05	8/1/05	pH - Background - 7-D071 (CRS) v2	7-D071		8.3	8.3					
7/1/05	8/1/05	pH - Background - 7-D072 (CRS) v2	7-D072		8.3	8.3					
7/1/05	8/1/05	pH - Effluent - P-D071 (CRS) v2	P-D071		8.4	8.4					
7/1/05	8/1/05	pH - Effluent - P-D072 (CRS) v2	P-D072		8.4	8.4					
7/1/05	8/1/05	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.1					
7/1/05	8/1/05	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.1					
7/1/05	8/1/05	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.3	8.5					
7/1/05	8/1/05	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.3	8.5					
7/1/05	8/1/05	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
7/1/05	8/1/05	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
7/1/05	8/1/05	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
7/1/05	8/1/05	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
7/1/05	8/1/05	Temp Rise - D011 (CRS) v2	D011	7.2		10.4					
7/1/05	8/1/05	Temp Rise - D012 (CRS) v2	D012	7.2		10.4					
7/1/05	8/1/05	Temp-Discharge - D011 (CRS) v2	D011	94.3		96					
7/1/05	8/1/05	Temp-Discharge - D012 (CRS) v2	D012	94.3		96					
7/1/05	8/1/05	Temp-Intake - D011 (CRS) v2	D011	87.1		90.4					
7/1/05	8/1/05	Temp-Intake - D012 (CRS) v2	D012	87.1		90.4					
7/1/05	8/1/05	Total Recoverable Iron D-600 (CRS) v2	D-600			1900					

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8/1/05	9/1/05	Flow - D011 (CRS) v2	D011				1682.5	1693.3			
8/1/05	9/1/05	Flow - Intake - D071 (CRS) v2	D071				497.73	504			
8/1/05	9/1/05	Flow - Intake - D072 (CRS) v2	D072				501.29	504			
8/1/05	9/1/05	Flow D-600 (CRS) v2	D-600					0.03			
8/1/05	9/1/05	pH - Background - 7-D071 (CRS) v2	7-D071		8.15	8.15					
8/1/05	9/1/05	pH - Background - 7-D072 (CRS) v2	7-D072		8.15	8.15					
8/1/05	9/1/05	pH - Effluent - P-D071 (CRS) v2	P-D071		8.27	8.27					
8/1/05	9/1/05	pH - Effluent - P-D072 (CRS) v2	P-D072		8.27	8.27					
8/1/05	9/1/05	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.23					
8/1/05	9/1/05	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.11	-0.23					
8/1/05	9/1/05	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.15	8.5					
8/1/05	9/1/05	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.15	8.5					
8/1/05	9/1/05	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
8/1/05	9/1/05	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
8/1/05	9/1/05	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
8/1/05	9/1/05	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
8/1/05	9/1/05	Temp Rise - D011 (CRS) v2	D011	6.6		9.7					
8/1/05	9/1/05	Temp Rise - D012 (CRS) v2	D012	6.6		9.7					
8/1/05	9/1/05	Temp-Discharge - D011 (CRS) v2	D011	94.6		96.1					
8/1/05	9/1/05	Temp-Discharge - D012 (CRS) v2	D012	94.6		96.1					
8/1/05	9/1/05	Temp-Intake - D011 (CRS) v2	D011	88		90.8					
8/1/05	9/1/05	Temp-Intake - D012 (CRS) v2	D012	88		90.8					
8/1/05	9/1/05	Total Recoverable Iron D-600 (CRS) v2	D-600			18000					
9/1/05	10/1/05	Flow - D011 (CRS) v2	D011				1653.9	1693.3			
9/1/05	10/1/05	Flow - Intake - D071 (CRS) v2	D071				336.75	504			
9/1/05	10/1/05	Flow - Intake - D072 (CRS) v2	D072				328.97	504			
9/1/05	10/1/05	Flow D-600 (CRS) v2	D-600					0.07			
9/1/05	10/1/05	pH - Background - 7-D071 (CRS) v2	7-D071		8.01	8.01					
9/1/05	10/1/05	pH - Background - 7-D072 (CRS) v2	7-D072		8.01	8.01					
9/1/05	10/1/05	pH - Effluent - P-D071 (CRS) v2	P-D071		8.1	8.1					
9/1/05	10/1/05	pH - Effluent - P-D072 (CRS) v2	P-D072		8.09	8.09					
9/1/05	10/1/05	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.4					
9/1/05	10/1/05	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.41					
9/1/05	10/1/05	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.01	8.5					

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9/1/05	10/1/05	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.01	8.5					
9/1/05	10/1/05	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
9/1/05	10/1/05	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
9/1/05	10/1/05	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
9/1/05	10/1/05	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
9/1/05	10/1/05	Temp Rise - D011 (CRS) v2	D011	9.5		12.5					
9/1/05	10/1/05	Temp Rise - D012 (CRS) v2	D012	9.5		12.5					
9/1/05	10/1/05	Temp-Discharge - D011 (CRS) v2	D011	93		95.6					
9/1/05	10/1/05	Temp-Discharge - D012 (CRS) v2	D012	93		95.6					
9/1/05	10/1/05	Temp-Intake - D011 (CRS) v2	D011	83.6		86.2					
9/1/05	10/1/05	Temp-Intake - D012 (CRS) v2	D012	83.6		86.2					
9/1/05	10/1/05	Total Recoverable Iron D-600 (CRS) v2	D-600			18000					
10/1/05	11/1/05	Flow - D011 (CRS) v2	D011				1621.6	1759.7			
10/1/05	11/1/05	Flow - Intake - D071 (CRS) v2	D071				274.8	504			
10/1/05	11/1/05	Flow - Intake - D072 (CRS) v2	D072				177.98	504			
10/1/05	11/1/05	Flow D-600 (CRS) v2	D-600					0.05			
10/1/05	11/1/05	pH - Background - 7-D071 (CRS) v2	7-D071		8.12	8.12					
10/1/05	11/1/05	pH - Background - 7-D072 (CRS) v2	7-D072		8.12	8.12					
10/1/05	11/1/05	pH - Effluent - P-D071 (CRS) v2	P-D071		8.09	8.09					
10/1/05	11/1/05	pH - Effluent - P-D072 (CRS) v2	P-D072		8.08	8.08					
10/1/05	11/1/05	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1	-0.41					
10/1/05	11/1/05	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1	-0.42					
10/1/05	11/1/05	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.12	8.5					
10/1/05	11/1/05	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.12	8.5					
10/1/05	11/1/05	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
10/1/05	11/1/05	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
10/1/05	11/1/05	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
10/1/05	11/1/05	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
10/1/05	11/1/05	Temp Rise - D011 (CRS) v2	D011	12.3		15.9					
10/1/05	11/1/05	Temp Rise - D012 (CRS) v2	D012	12.3		15.9					
10/1/05	11/1/05	Temp-Discharge - D011 (CRS) v2	D011	89.5		95.5					
10/1/05	11/1/05	Temp-Discharge - D012 (CRS) v2	D012	89.5		95.5					
10/1/05	11/1/05	Temp-Intake - D011 (CRS) v2	D011	77.1		84.3					
10/1/05	11/1/05	Temp-Intake - D012 (CRS) v2	D012	77.1		84.3					

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10/1/05	11/1/05	Total Recoverable Iron D-600 (CRS) v2	D-600			19000					
11/1/05	12/1/05	Flow - D011 (CRS) v2	D011				1256.9	1579.2			
11/1/05	12/1/05	Flow - Intake - D071 (CRS) v2	D071				0	0			
11/1/05	12/1/05	Flow - Intake - D072 (CRS) v2	D072				0	0			
11/1/05	12/1/05	Flow D-600 (CRS) v2	D-600					0.03			
11/1/05	12/1/05	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
11/1/05	12/1/05	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
11/1/05	12/1/05	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
11/1/05	12/1/05	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
11/1/05	12/1/05	Temp Rise - D011 (CRS) v2	D011	9.1		15.3					
11/1/05	12/1/05	Temp Rise - D012 (CRS) v2	D012	9.1		15.3					
11/1/05	12/1/05	Temp-Discharge - D011 (CRS) v2	D011	76.9		88.5					
11/1/05	12/1/05	Temp-Discharge - D012 (CRS) v2	D012	76.9		88.5					
11/1/05	12/1/05	Temp-Intake - D011 (CRS) v2	D011	67.9		73.6					
11/1/05	12/1/05	Temp-Intake - D012 (CRS) v2	D012	67.9		73.6					
11/1/05	12/1/05	Total Recoverable Iron D-600 (CRS) v2	D-600			12000					
12/1/05	1/1/06	Flow - D011 (CRS) v2	D011				1544.8	1612.9			
12/1/05	1/1/06	Flow - Intake - D071 (CRS) v2	D071				0	0			
12/1/05	1/1/06	Flow - Intake - D072 (CRS) v2	D072				0	0			
12/1/05	1/1/06	Flow D-600 (CRS) v2	D-600					0.02			
12/1/05	1/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
12/1/05	1/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
12/1/05	1/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
12/1/05	1/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
12/1/05	1/1/06	Temp Rise - D011 (CRS) v2	D011	12.5		17.2					
12/1/05	1/1/06	Temp Rise - D012 (CRS) v2	D012	12.5		17.2					
12/1/05	1/1/06	Temp-Discharge - D011 (CRS) v2	D011	70.9		77.5					
12/1/05	1/1/06	Temp-Discharge - D012 (CRS) v2	D012	70.9		77.5					
12/1/05	1/1/06	Temp-Intake - D011 (CRS) v2	D011	58.3		64.8					
12/1/05	1/1/06	Temp-Intake - D012 (CRS) v2	D012	58.3		64.8					
12/1/05	1/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600			1700					
1/1/06	2/1/06	Flow - D011 (CRS) v2	D011				1562.2	1611.9			
1/1/06	2/1/06	Flow - Intake - D071 (CRS) v2	D071				0	0			
1/1/06	2/1/06	Flow - Intake - D072 (CRS) v2	D072				0	0			

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1/1/06	2/1/06	Flow D-600 (CRS) v2	D-600					0.01			
1/1/06	2/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
1/1/06	2/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
1/1/06	2/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
1/1/06	2/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
1/1/06	2/1/06	Temp Rise - D011 (CRS) v2	D011	14.2		17.8					
1/1/06	2/1/06	Temp Rise - D012 (CRS) v2	D012	14.2		17.8					
1/1/06	2/1/06	Temp-Discharge - D011 (CRS) v2	D011	73.8		81.3					
1/1/06	2/1/06	Temp-Discharge - D012 (CRS) v2	D012	73.8		81.3					
1/1/06	2/1/06	Temp-Intake - D011 (CRS) v2	D011	59.8		66.4					
1/1/06	2/1/06	Temp-Intake - D012 (CRS) v2	D012	59.8		66.4					
1/1/06	2/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600			35000					
2/1/06	3/1/06	Flow - D011 (CRS) v2	D011				1571.8	1611.9			
2/1/06	3/1/06	Flow - Intake - D071 (CRS) v2	D071				12.95	16.78			
2/1/06	3/1/06	Flow - Intake - D072 (CRS) v2	D072				20.43	38.82			
2/1/06	3/1/06	Flow D-600 (CRS) v2	D-600					0.02			
2/1/06	3/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
2/1/06	3/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
2/1/06	3/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
2/1/06	3/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
2/1/06	3/1/06	Temp Rise - D011 (CRS) v2	D011	15.6		17					
2/1/06	3/1/06	Temp Rise - D012 (CRS) v2	D012	15.6		17					
2/1/06	3/1/06	Temp-Discharge - D011 (CRS) v2	D011	75.2		83.4					
2/1/06	3/1/06	Temp-Discharge - D012 (CRS) v2	D012	75.2		83.4					
2/1/06	3/1/06	Temp-Intake - D011 (CRS) v2	D011	59.6		66.1					
2/1/06	3/1/06	Temp-Intake - D012 (CRS) v2	D012	59.6		66.1					
2/1/06	3/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600			53000					
3/1/06	4/1/06	Flow - D011 (CRS) v2	D011				1583.9	1611.9			
3/1/06	4/1/06	Flow - Intake - D071 (CRS) v2	D071				0	0			
3/1/06	4/1/06	Flow - Intake - D072 (CRS) v2	D072				0	0			
3/1/06	4/1/06	Flow D-600 (CRS) v2	D-600								
3/1/06	4/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
3/1/06	4/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
3/1/06	4/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
3/1/06	4/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
3/1/06	4/1/06	Temp Rise - D011 (CRS) v2	D011	13.4		17.1					
3/1/06	4/1/06	Temp Rise - D012 (CRS) v2	D012	13.4		17.1					
3/1/06	4/1/06	Temp-Discharge - D011 (CRS) v2	D011	80.3		89.9					
3/1/06	4/1/06	Temp-Discharge - D012 (CRS) v2	D012	80.3		89.9					
3/1/06	4/1/06	Temp-Intake - D011 (CRS) v2	D011	67		72.9					
3/1/06	4/1/06	Temp-Intake - D012 (CRS) v2	D012	67		72.9					
3/1/06	4/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600								
4/1/06	5/1/06	Flow - D011 (CRS) v2	D011				1590.6	1611.9			
4/1/06	5/1/06	Flow - Intake - D071 (CRS) v2	D071				0	0			
4/1/06	5/1/06	Flow - Intake - D072 (CRS) v2	D072				481	504			
4/1/06	5/1/06	Flow D-600 (CRS) v2	D-600					0.05			
4/1/06	5/1/06	pH - Background - 7-D071 (CRS) v2	7-D071		7.93	7.93					
4/1/06	5/1/06	pH - Background - 7-D072 (CRS) v2	7-D072		7.93	7.93					
4/1/06	5/1/06	pH - Effluent - P-D071 (CRS) v2	P-D071		8.09	8.09					
4/1/06	5/1/06	pH - Effluent - P-D072 (CRS) v2	P-D072		8.16	8.16					
4/1/06	5/1/06	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.2	-0.41					
4/1/06	5/1/06	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.2	-0.34					
4/1/06	5/1/06	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		6.93	8.5					
4/1/06	5/1/06	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		6.93	8.5					
4/1/06	5/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
4/1/06	5/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
4/1/06	5/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
4/1/06	5/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
4/1/06	5/1/06	Temp Rise - D011 (CRS) v2	D011	14.4		16.7					
4/1/06	5/1/06	Temp Rise - D012 (CRS) v2	D012	14.4		16.7					
4/1/06	5/1/06	Temp-Discharge - D011 (CRS) v2	D011	89.3		95.7					
4/1/06	5/1/06	Temp-Discharge - D012 (CRS) v2	D012	89.3		95.7					
4/1/06	5/1/06	Temp-Intake - D011 (CRS) v2	D011	74.9		81.7					
4/1/06	5/1/06	Temp-Intake - D012 (CRS) v2	D012	74.9		81.7					
4/1/06	5/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600							NODI=G	
5/1/06	6/1/06	Flow - D011 (CRS) v2	D011				1684.9	1693.3			
5/1/06	6/1/06	Flow - Intake - D071 (CRS) v2	D071				110.36	504			
5/1/06	6/1/06	Flow - Intake - D072 (CRS) v2	D072				274.33	504			

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5/1/06	6/1/06	Flow D-600 (CRS) v2	D-600					0.07			
5/1/06	6/1/06	pH - Background - 7-D071 (CRS) v2	7-D071		8	8					
5/1/06	6/1/06	pH - Background - 7-D072 (CRS) v2	7-D072		8	8					
5/1/06	6/1/06	pH - Effluent - P-D071 (CRS) v2	P-D071		8.11	8.11					
5/1/06	6/1/06	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.39					
5/1/06	6/1/06	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7	8.5					
5/1/06	6/1/06	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7	8.5					
5/1/06	6/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
5/1/06	6/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
5/1/06	6/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
5/1/06	6/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
5/1/06	6/1/06	Temp Rise - D011 (CRS) v2	D011	13.4		15.2					
5/1/06	6/1/06	Temp Rise - D012 (CRS) v2	D012	13.4		15.2					
5/1/06	6/1/06	Temp-Discharge - D011 (CRS) v2	D011	91.8		96.1					
5/1/06	6/1/06	Temp-Discharge - D012 (CRS) v2	D012	91.8		96.1					
5/1/06	6/1/06	Temp-Intake - D011 (CRS) v2	D011	78.4		84.3					
5/1/06	6/1/06	Temp-Intake - D012 (CRS) v2	D012	78.4		84.3					
5/1/06	6/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600			11000					
6/1/06	7/1/06	Flow - D011 (CRS) v2	D011				1648	1693.3			
6/1/06	7/1/06	Flow - Intake - D071 (CRS) v2	D071				397.16	611.66			
6/1/06	7/1/06	Flow - Intake - D072 (CRS) v2	D072				411.46	600.52			
6/1/06	7/1/06	Flow D-600 (CRS) v2	D-600					0.02			
6/1/06	7/1/06	pH - Background - 7-D071 (CRS) v2	7-D071		8.13	8.13					
6/1/06	7/1/06	pH - Background - 7-D072 (CRS) v2	7-D072		8.13	8.13					
6/1/06	7/1/06	pH - Effluent - P-D071 (CRS) v2	P-D071		8.15	8.15					
6/1/06	7/1/06	pH - Effluent - P-D072 (CRS) v2	P-D072		8.14	8.14					
6/1/06	7/1/06	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1	-0.35					
6/1/06	7/1/06	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1	-0.36					
6/1/06	7/1/06	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.13	8.5					
6/1/06	7/1/06	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.13	8.5					
6/1/06	7/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
6/1/06	7/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
6/1/06	7/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
6/1/06	7/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					

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6/1/06	7/1/06	Temp Rise - D011 (CRS) v2	D011	9.8		13.3					
6/1/06	7/1/06	Temp Rise - D012 (CRS) v2	D012	9.8		13.3					
6/1/06	7/1/06	Temp-Discharge - D011 (CRS) v2	D011	93		95.9					
6/1/06	7/1/06	Temp-Discharge - D012 (CRS) v2	D012	93		95.9					
6/1/06	7/1/06	Temp-Intake - D011 (CRS) v2	D011	83.2		87.4					
6/1/06	7/1/06	Temp-Intake - D012 (CRS) v2	D012	83.2		87.4					
6/1/06	7/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600			31000					
7/1/06	8/1/06	Flow - D011 (CRS) v2	D011				1645.4	1693.3			
7/1/06	8/1/06	Flow - Intake - D071 (CRS) v2	D071				487.4	604.81			
7/1/06	8/1/06	Flow - Intake - D072 (CRS) v2	D072				528.33	596.22			
7/1/06	8/1/06	Flow D-600 (CRS) v2	D-600					0.05			
7/1/06	8/1/06	pH - Background - 7-D071 (CRS) v2	7-D071		8.28	8.28					
7/1/06	8/1/06	pH - Background - 7-D072 (CRS) v2	7-D072		8.28	8.28					
7/1/06	8/1/06	pH - Effluent - P-D071 (CRS) v2	P-D071		8.16	8.16					
7/1/06	8/1/06	pH - Effluent - P-D072 (CRS) v2	P-D072		8.17	8.17					
7/1/06	8/1/06	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		0.9	-0.34					
7/1/06	8/1/06	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		0.9	-0.33					
7/1/06	8/1/06	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.28	8.5					
7/1/06	8/1/06	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.28	8.5					
7/1/06	8/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
7/1/06	8/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
7/1/06	8/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
7/1/06	8/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
7/1/06	8/1/06	Temp Rise - D011 (CRS) v2	D011	7.4		9.1					
7/1/06	8/1/06	Temp Rise - D012 (CRS) v2	D012	7.4		9.1					
7/1/06	8/1/06	Temp-Discharge - D011 (CRS) v2	D011	93.8		96					
7/1/06	8/1/06	Temp-Discharge - D012 (CRS) v2	D012	93.8		96					
7/1/06	8/1/06	Temp-Intake - D011 (CRS) v2	D011	86.4		89.4					
7/1/06	8/1/06	Temp-Intake - D012 (CRS) v2	D012	86.4		89.4					
7/1/06	8/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600			3700					
8/1/06	9/1/06	Flow - D011 (CRS) v2	D011				1646.8	1693.3			
8/1/06	9/1/06	Flow - Intake - D071 (CRS) v2	D071				511.87	643.68			
8/1/06	9/1/06	Flow - Intake - D072 (CRS) v2	D072				525.66	623.52			
8/1/06	9/1/06	Flow D-600 (CRS) v2	D-600					0.01			

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8/1/06	9/1/06	pH - Background - 7-D071 (CRS) v2	7-D071		7.96	7.96					
8/1/06	9/1/06	pH - Background - 7-D072 (CRS) v2	7-D072		7.96	7.96					
8/1/06	9/1/06	pH - Effluent - P-D071 (CRS) v2	P-D071		8.04	8.04					
8/1/06	9/1/06	pH - Effluent - P-D072 (CRS) v2	P-D072		8.08	8.08					
8/1/06	9/1/06	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.46					
8/1/06	9/1/06	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.42					
8/1/06	9/1/06	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		6.96	8.5					
8/1/06	9/1/06	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		6.96	8.5					
8/1/06	9/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
8/1/06	9/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
8/1/06	9/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
8/1/06	9/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
8/1/06	9/1/06	Temp Rise - D011 (CRS) v2	D011	6.4		8.4					
8/1/06	9/1/06	Temp Rise - D012 (CRS) v2	D012	6.4		8.4					
8/1/06	9/1/06	Temp-Discharge - D011 (CRS) v2	D011	93.8		96.3					
8/1/06	9/1/06	Temp-Discharge - D012 (CRS) v2	D012	93.8		96.3					
8/1/06	9/1/06	Temp-Intake - D011 (CRS) v2	D011	87.4		90					
8/1/06	9/1/06	Temp-Intake - D012 (CRS) v2	D012	87.4		90					
8/1/06	9/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600			7100					
9/1/06	10/1/06	Flow - D011 (CRS) v2	D011				1663.7	1693.3			
9/1/06	10/1/06	Flow - Intake - D071 (CRS) v2	D071				370.12	513.84			
9/1/06	10/1/06	Flow - Intake - D072 (CRS) v2	D072				433.56	519.81			
9/1/06	10/1/06	Flow D-600 (CRS) v2	D-600					0.02			
9/1/06	10/1/06	pH - Background - 7-D071 (CRS) v2	7-D071		7.97	7.97					
9/1/06	10/1/06	pH - Background - 7-D072 (CRS) v2	7-D072		7.97	7.97					
9/1/06	10/1/06	pH - Effluent - P-D071 (CRS) v2	P-D071		8.07	8.07					
9/1/06	10/1/06	pH - Effluent - P-D072 (CRS) v2	P-D072		8.08	8.08					
9/1/06	10/1/06	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.43					
9/1/06	10/1/06	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.42					
9/1/06	10/1/06	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		6.97	8.5					
9/1/06	10/1/06	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		6.97	8.5					
9/1/06	10/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
9/1/06	10/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
9/1/06	10/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					

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9/1/06	10/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
9/1/06	10/1/06	Temp Rise - D011 (CRS) v2	D011	8.9		12.7					
9/1/06	10/1/06	Temp Rise - D012 (CRS) v2	D012	8.9		12.7					
9/1/06	10/1/06	Temp-Discharge - D011 (CRS) v2	D011	92.2		95.4					
9/1/06	10/1/06	Temp-Discharge - D012 (CRS) v2	D012	92.2		95.4					
9/1/06	10/1/06	Temp-Intake - D011 (CRS) v2	D011	83.2		86.7					
9/1/06	10/1/06	Temp-Intake - D012 (CRS) v2	D012	83.2		86.7					
9/1/06	10/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600			23000					
10/1/06	11/1/06	Flow - D011 (CRS) v2	D011				1543	1693.3			
10/1/06	11/1/06	Flow - Intake - D071 (CRS) v2	D071				233.29	252			
10/1/06	11/1/06	Flow - Intake - D072 (CRS) v2	D072				45.83	79.66			
10/1/06	11/1/06	Flow D-600 (CRS) v2	D-600					0.02			
10/1/06	11/1/06	pH - Background - 7-D071 (CRS) v2	7-D071							NODI=E	NODI=E
10/1/06	11/1/06	pH - Background - 7-D072 (CRS) v2	7-D072							NODI=E	NODI=E
10/1/06	11/1/06	pH - Effluent - P-D071 (CRS) v2	P-D071							NODI=E	NODI=E
10/1/06	11/1/06	pH - Effluent - P-D072 (CRS) v2	P-D072							NODI=E	NODI=E
10/1/06	11/1/06	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							NODI=E	NODI=E
10/1/06	11/1/06	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							NODI=E	NODI=E
10/1/06	11/1/06	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							NODI=E	NODI=E
10/1/06	11/1/06	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							NODI=E	NODI=E
10/1/06	11/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
10/1/06	11/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
10/1/06	11/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
10/1/06	11/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
10/1/06	11/1/06	Temp Rise - D011 (CRS) v2	D011	14.4		16.4					
10/1/06	11/1/06	Temp Rise - D012 (CRS) v2	D012	14.4		16.4					
10/1/06	11/1/06	Temp-Discharge - D011 (CRS) v2	D011	90.1		95.7					
10/1/06	11/1/06	Temp-Discharge - D012 (CRS) v2	D012	90.1		95.7					
10/1/06	11/1/06	Temp-Intake - D011 (CRS) v2	D011	75.8		82.9					
10/1/06	11/1/06	Temp-Intake - D012 (CRS) v2	D012	75.8		82.9					
10/1/06	11/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600			23000					
11/1/06	12/1/06	Flow - D011 (CRS) v2	D011				1568.6	1612.9			
11/1/06	12/1/06	Flow - Intake - D071 (CRS) v2	D071				0	0			
11/1/06	12/1/06	Flow - Intake - D072 (CRS) v2	D072				0.71	4.98			

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11/1/06	12/1/06	Flow D-600 (CRS) v2	D-600					0.02			
11/1/06	12/1/06	pH - Background - 7-D071 (CRS) v2	7-D071							NODI=E	NODI=E
11/1/06	12/1/06	pH - Background - 7-D072 (CRS) v2	7-D072							NODI=9	NODI=9
11/1/06	12/1/06	pH - Effluent - P-D071 (CRS) v2	P-D071							NODI=E	NODI=E
11/1/06	12/1/06	pH - Effluent - P-D072 (CRS) v2	P-D072							NODI=9	NODI=9
11/1/06	12/1/06	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							NODI=E	NODI=E
11/1/06	12/1/06	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							NODI=9	NODI=9
11/1/06	12/1/06	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							NODI=E	NODI=E
11/1/06	12/1/06	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							NODI=9	NODI=9
11/1/06	12/1/06	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
11/1/06	12/1/06	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
11/1/06	12/1/06	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
11/1/06	12/1/06	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
11/1/06	12/1/06	Temp Rise - D011 (CRS) v2	D011	15.7		17.6					
11/1/06	12/1/06	Temp Rise - D012 (CRS) v2	D012	15.7		17.6					
11/1/06	12/1/06	Temp-Discharge - D011 (CRS) v2	D011	80.8		88.5					
11/1/06	12/1/06	Temp-Discharge - D012 (CRS) v2	D012	80.8		88.5					
11/1/06	12/1/06	Temp-Intake - D011 (CRS) v2	D011	65.1		72.2					
11/1/06	12/1/06	Temp-Intake - D012 (CRS) v2	D012	65.1		72.2					
11/1/06	12/1/06	Total Recoverable Iron D-600 (CRS) v2	D-600			16000					
12/1/06	1/1/07	Flow - D011 (CRS) v2	D011				1544.6	1612.9			
12/1/06	1/1/07	Flow - Intake - D071 (CRS) v2	D071				0	0			
12/1/06	1/1/07	Flow - Intake - D072 (CRS) v2	D072				0	0			
12/1/06	1/1/07	Flow D-600 (CRS) v2	D-600					0.03			
12/1/06	1/1/07	pH - Background - 7-D071 (CRS) v2	7-D071							NODI=E	NODI=E
12/1/06	1/1/07	pH - Background - 7-D072 (CRS) v2	7-D072							NODI=9	NODI=9
12/1/06	1/1/07	pH - Effluent - P-D071 (CRS) v2	P-D071							NODI=E	NODI=E
12/1/06	1/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072							NODI=9	NODI=9
12/1/06	1/1/07	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							NODI=E	NODI=E
12/1/06	1/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							NODI=9	NODI=9
12/1/06	1/1/07	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							NODI=E	NODI=E
12/1/06	1/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							NODI=9	NODI=9
12/1/06	1/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
12/1/06	1/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					

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12/1/06	1/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
12/1/06	1/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
12/1/06	1/1/07	Temp Rise - D011 (CRS) v2	D011	16.2		17.3					
12/1/06	1/1/07	Temp Rise - D012 (CRS) v2	D012	16.2		17.3					
12/1/06	1/1/07	Temp-Discharge - D011 (CRS) v2	D011	79.3		85.7					
12/1/06	1/1/07	Temp-Discharge - D012 (CRS) v2	D012	79.3		85.7					
12/1/06	1/1/07	Temp-Intake - D011 (CRS) v2	D011	63.1		68.3					
12/1/06	1/1/07	Temp-Intake - D012 (CRS) v2	D012	63.1		68.3					
12/1/06	1/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600			580					
1/1/07	2/1/07	Flow - D011 (CRS) v2	D011				1523.5	1573			
1/1/07	2/1/07	Flow - Intake - D071 (CRS) v2	D071				21.53	21.53			
1/1/07	2/1/07	Flow - Intake - D072 (CRS) v2	D072				17.76	43.48			
1/1/07	2/1/07	Flow D-600 (CRS) v2	D-600					0.01			
1/1/07	2/1/07	pH - Background - 7-D071 (CRS) v2	7-D071							NODI=9	NODI=9
1/1/07	2/1/07	pH - Background - 7-D072 (CRS) v2	7-D072							NODI=9	NODI=9
1/1/07	2/1/07	pH - Effluent - P-D071 (CRS) v2	P-D071							NODI=9	NODI=9
1/1/07	2/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072							NODI=9	NODI=9
1/1/07	2/1/07	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							NODI=9	NODI=9
1/1/07	2/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							NODI=9	NODI=9
1/1/07	2/1/07	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							NODI=9	NODI=9
1/1/07	2/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							NODI=9	NODI=9
1/1/07	2/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
1/1/07	2/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
1/1/07	2/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
1/1/07	2/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
1/1/07	2/1/07	Temp Rise - D011 (CRS) v2	D011	16.3		17.5					
1/1/07	2/1/07	Temp Rise - D012 (CRS) v2	D012	16.3		17.5					
1/1/07	2/1/07	Temp-Discharge - D011 (CRS) v2	D011	78.9		87.3					
1/1/07	2/1/07	Temp-Discharge - D012 (CRS) v2	D012	78.9		87.3					
1/1/07	2/1/07	Temp-Intake - D011 (CRS) v2	D011	62.7		70.5					
1/1/07	2/1/07	Temp-Intake - D012 (CRS) v2	D012	62.7		70.5					
1/1/07	2/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600			770					
2/1/07	3/1/07	Flow - D011 (CRS) v2	D011				1319.7	1553.5			
2/1/07	3/1/07	Flow - Intake - D071 (CRS) v2	D071				0	0			

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2/1/07	3/1/07	Flow - Intake - D072 (CRS) v2	D072				22.33	22.33			
2/1/07	3/1/07	Flow D-600 (CRS) v2	D-600					0.03			
2/1/07	3/1/07	pH - Background - 7-D071 (CRS) v2	7-D071							NODI=9	NODI=9
2/1/07	3/1/07	pH - Background - 7-D072 (CRS) v2	7-D072							NODI=9	NODI=9
2/1/07	3/1/07	pH - Effluent - P-D071 (CRS) v2	P-D071							NODI=9	NODI=9
2/1/07	3/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072							NODI=9	NODI=9
2/1/07	3/1/07	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							NODI=9	NODI=9
2/1/07	3/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							NODI=9	NODI=9
2/1/07	3/1/07	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							NODI=9	NODI=9
2/1/07	3/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							NODI=9	NODI=9
2/1/07	3/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
2/1/07	3/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
2/1/07	3/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
2/1/07	3/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
2/1/07	3/1/07	Temp Rise - D011 (CRS) v2	D011	15.6		17.8					
2/1/07	3/1/07	Temp Rise - D012 (CRS) v2	D012	15.6		17.8					
2/1/07	3/1/07	Temp-Discharge - D011 (CRS) v2	D011	74.6		83.6					
2/1/07	3/1/07	Temp-Discharge - D012 (CRS) v2	D012	74.6		83.6					
2/1/07	3/1/07	Temp-Intake - D011 (CRS) v2	D011	59		66.3					
2/1/07	3/1/07	Temp-Intake - D012 (CRS) v2	D012	59		66.3					
2/1/07	3/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600			8700					
3/1/07	4/1/07	Flow - D011 (CRS) v2	D011				1328.2	1478.3			
3/1/07	4/1/07	Flow - Intake - D071 (CRS) v2	D071				0	0			
3/1/07	4/1/07	Flow - Intake - D072 (CRS) v2	D072				2.25	11.16			
3/1/07	4/1/07	Flow D-600 (CRS) v2	D-600					0.01			
3/1/07	4/1/07	pH - Background - 7-D071 (CRS) v2	7-D071							NODI=E	NODI=E
3/1/07	4/1/07	pH - Background - 7-D072 (CRS) v2	7-D072							NODI=E	NODI=E
3/1/07	4/1/07	pH - Effluent - P-D071 (CRS) v2	P-D071							NODI=E	NODI=E
3/1/07	4/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072							NODI=E	NODI=E
3/1/07	4/1/07	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							NODI=E	NODI=E
3/1/07	4/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							NODI=E	NODI=E
3/1/07	4/1/07	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							NODI=E	NODI=E
3/1/07	4/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							NODI=E	NODI=E
3/1/07	4/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					

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3/1/07	4/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
3/1/07	4/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
3/1/07	4/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
3/1/07	4/1/07	Temp Rise - D011 (CRS) v2	D011	15.7		18.3					
3/1/07	4/1/07	Temp Rise - D012 (CRS) v2	D012	15.7		18.3					
3/1/07	4/1/07	Temp-Discharge - D011 (CRS) v2	D011	83.7		90.8					
3/1/07	4/1/07	Temp-Discharge - D012 (CRS) v2	D012	83.7		90.8					
3/1/07	4/1/07	Temp-Intake - D011 (CRS) v2	D011	68.1		73.8					
3/1/07	4/1/07	Temp-Intake - D012 (CRS) v2	D012	68.1		73.8					
3/1/07	4/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600			310					
4/1/07	5/1/07	Flow - D011 (CRS) v2	D011				1224.8	1230.2			
4/1/07	5/1/07	Flow - Intake - D071 (CRS) v2	D071				3.33	10.76			
4/1/07	5/1/07	Flow - Intake - D072 (CRS) v2	D072				11.48	30.24			
4/1/07	5/1/07	Flow D-600 (CRS) v2	D-600					0.02			
4/1/07	5/1/07	pH - Background - 7-D071 (CRS) v2	7-D071							NODI=9	NODI=9
4/1/07	5/1/07	pH - Background - 7-D072 (CRS) v2	7-D072							NODI=9	NODI=9
4/1/07	5/1/07	pH - Effluent - P-D071 (CRS) v2	P-D071							NODI=9	NODI=9
4/1/07	5/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072							NODI=9	NODI=9
4/1/07	5/1/07	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							NODI=9	NODI=9
4/1/07	5/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							NODI=9	NODI=9
4/1/07	5/1/07	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							NODI=9	NODI=9
4/1/07	5/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							NODI=9	NODI=9
4/1/07	5/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
4/1/07	5/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
4/1/07	5/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
4/1/07	5/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
4/1/07	5/1/07	Temp Rise - D011 (CRS) v2	D011	15.4		16.6					
4/1/07	5/1/07	Temp Rise - D012 (CRS) v2	D012	15.4		16.6					
4/1/07	5/1/07	Temp-Discharge - D011 (CRS) v2	D011	85.7		94.1					
4/1/07	5/1/07	Temp-Discharge - D012 (CRS) v2	D012	85.7		94.1					
4/1/07	5/1/07	Temp-Intake - D011 (CRS) v2	D011	70.4		77.5					
4/1/07	5/1/07	Temp-Intake - D012 (CRS) v2	D012	70.4		77.5					
4/1/07	5/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600			450					
5/1/07	6/1/07	Flow - D011 (CRS) v2	D011				1407	1637			

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5/1/07	6/1/07	Flow - Intake - D071 (CRS) v2	D071				114.87	397.33			
5/1/07	6/1/07	Flow - Intake - D072 (CRS) v2	D072				328.37	549.3			
5/1/07	6/1/07	Flow D-600 (CRS) v2	D-600							NODI=9	
5/1/07	6/1/07	pH - Background - 7-D071 (CRS) v2	7-D071		7.9	7.9					
5/1/07	6/1/07	pH - Background - 7-D072 (CRS) v2	7-D072		7.9	7.9					
5/1/07	6/1/07	pH - Effluent - P-D071 (CRS) v2	P-D071		8.03	8.03					
5/1/07	6/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072		8.04	8.04					
5/1/07	6/1/07	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.47					
5/1/07	6/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.46					
5/1/07	6/1/07	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		6.9	8.5					
5/1/07	6/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		6.9	8.5					
5/1/07	6/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
5/1/07	6/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
5/1/07	6/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
5/1/07	6/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
5/1/07	6/1/07	Temp Rise - D011 (CRS) v2	D011	12.7		16.1					
5/1/07	6/1/07	Temp Rise - D012 (CRS) v2	D012	12.7		16.1					
5/1/07	6/1/07	Temp-Discharge - D011 (CRS) v2	D011	89.9		95.4					
5/1/07	6/1/07	Temp-Discharge - D012 (CRS) v2	D012	89.9		95.4					
5/1/07	6/1/07	Temp-Intake - D011 (CRS) v2	D011	77.1		81.7					
5/1/07	6/1/07	Temp-Intake - D012 (CRS) v2	D012	77.1		81.7					
5/1/07	6/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600							NODI=9	
6/1/07	7/1/07	Flow - D011 (CRS) v2	D011				1665.5	1693.3			
6/1/07	7/1/07	Flow - Intake - D071 (CRS) v2	D071				433.86	578.35			
6/1/07	7/1/07	Flow - Intake - D072 (CRS) v2	D072				420.83	572.54			
6/1/07	7/1/07	Flow D-600 (CRS) v2	D-600					0.02			
6/1/07	7/1/07	pH - Background - 7-D071 (CRS) v2	7-D071		8.13	8.13					
6/1/07	7/1/07	pH - Background - 7-D072 (CRS) v2	7-D072		8.13	8.13					
6/1/07	7/1/07	pH - Effluent - P-D071 (CRS) v2	P-D071		8.2	8.2					
6/1/07	7/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072		8.24	8.24					
6/1/07	7/1/07	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.3					
6/1/07	7/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.26					
6/1/07	7/1/07	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.13	8.5					
6/1/07	7/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.13	8.5					

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6/1/07	7/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
6/1/07	7/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
6/1/07	7/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
6/1/07	7/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
6/1/07	7/1/07	Temp Rise - D011 (CRS) v2	D011	9.7		13.9					
6/1/07	7/1/07	Temp Rise - D012 (CRS) v2	D012	9.7		13.9					
6/1/07	7/1/07	Temp-Discharge - D011 (CRS) v2	D011	92.5		95.6					
6/1/07	7/1/07	Temp-Discharge - D012 (CRS) v2	D012	92.5		95.6					
6/1/07	7/1/07	Temp-Intake - D011 (CRS) v2	D011	82.8		87.4					
6/1/07	7/1/07	Temp-Intake - D012 (CRS) v2	D012	82.8		87.4					
6/1/07	7/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600			850					
7/1/07	8/1/07	Flow - D011 (CRS) v2	D011				1674.3	1713.7			
7/1/07	8/1/07	Flow - Intake - D071 (CRS) v2	D071				581.46	643.68			
7/1/07	8/1/07	Flow - Intake - D072 (CRS) v2	D072				575.91	623.52			
7/1/07	8/1/07	Flow D-600 (CRS) v2	D-600					0.04			
7/1/07	8/1/07	pH - Background - 7-D071 (CRS) v2	7-D071		8.02	8.02					
7/1/07	8/1/07	pH - Background - 7-D072 (CRS) v2	7-D072		8.02	8.02					
7/1/07	8/1/07	pH - Effluent - P-D071 (CRS) v2	P-D071		8.07	8.07					
7/1/07	8/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072		8.09	8.09					
7/1/07	8/1/07	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.43					
7/1/07	8/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.41					
7/1/07	8/1/07	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.02	8.5					
7/1/07	8/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.02	8.5					
7/1/07	8/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
7/1/07	8/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
7/1/07	8/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
7/1/07	8/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
7/1/07	8/1/07	Temp Rise - D011 (CRS) v2	D011	7		8.9					
7/1/07	8/1/07	Temp Rise - D012 (CRS) v2	D012	7		8.9					
7/1/07	8/1/07	Temp-Discharge - D011 (CRS) v2	D011	94.2		96.6					
7/1/07	8/1/07	Temp-Discharge - D012 (CRS) v2	D012	94.2		96.6					
7/1/07	8/1/07	Temp-Intake - D011 (CRS) v2	D011	87.2		94.9					
7/1/07	8/1/07	Temp-Intake - D012 (CRS) v2	D012	87.2		94.9					
7/1/07	8/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600			800					

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8/1/07	9/1/07	Flow - D011 (CRS) v2	D011				1658.8	1713.7			
8/1/07	9/1/07	Flow - Intake - D071 (CRS) v2	D071				573.53	643.68			
8/1/07	9/1/07	Flow - Intake - D072 (CRS) v2	D072				559.48	623.52			
8/1/07	9/1/07	Flow D-600 (CRS) v2	D-600					0.01			
8/1/07	9/1/07	pH - Background - 7-D071 (CRS) v2	7-D071		8.02	8.02					
8/1/07	9/1/07	pH - Background - 7-D072 (CRS) v2	7-D072		8.02	8.02					
8/1/07	9/1/07	pH - Effluent - P-D071 (CRS) v2	P-D071		8.12	8.12					
8/1/07	9/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072		8.15	8.15					
8/1/07	9/1/07	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.38					
8/1/07	9/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.35					
8/1/07	9/1/07	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.02	8.5					
8/1/07	9/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.02	8.5					
8/1/07	9/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
8/1/07	9/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
8/1/07	9/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
8/1/07	9/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
8/1/07	9/1/07	Temp Rise - D011 (CRS) v2	D011	6.1		10.2					
8/1/07	9/1/07	Temp Rise - D012 (CRS) v2	D012	6.1		10.2					
8/1/07	9/1/07	Temp-Discharge - D011 (CRS) v2	D011	93.9		96.3					
8/1/07	9/1/07	Temp-Discharge - D012 (CRS) v2	D012	93.9		96.3					
8/1/07	9/1/07	Temp-Intake - D011 (CRS) v2	D011	87.8		90.8					
8/1/07	9/1/07	Temp-Intake - D012 (CRS) v2	D012	87.8		90.8					
8/1/07	9/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600			880					
9/1/07	10/1/07	Flow - D011 (CRS) v2	D011				1696.5	1713.7			
9/1/07	10/1/07	Flow - Intake - D071 (CRS) v2	D071				425.85	550.36			
9/1/07	10/1/07	Flow - Intake - D072 (CRS) v2	D072				393.09	593.6			
9/1/07	10/1/07	Flow D-600 (CRS) v2	D-600					0.02			
9/1/07	10/1/07	pH - Background - 7-D071 (CRS) v2	7-D071		8.02	8.02					
9/1/07	10/1/07	pH - Background - 7-D072 (CRS) v2	7-D072		8.02	8.02					
9/1/07	10/1/07	pH - Effluent - P-D071 (CRS) v2	P-D071		8.14	8.14					
9/1/07	10/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072		8.15	8.15					
9/1/07	10/1/07	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.36					
9/1/07	10/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.35					
9/1/07	10/1/07	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.02	8.5					

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9/1/07	10/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.02	8.5					
9/1/07	10/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
9/1/07	10/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
9/1/07	10/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
9/1/07	10/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
9/1/07	10/1/07	Temp Rise - D011 (CRS) v2	D011	9.5		14.1					
9/1/07	10/1/07	Temp Rise - D012 (CRS) v2	D012	9.5		14.1					
9/1/07	10/1/07	Temp-Discharge - D011 (CRS) v2	D011	93.6		96					
9/1/07	10/1/07	Temp-Discharge - D012 (CRS) v2	D012	93.6		96					
9/1/07	10/1/07	Temp-Intake - D011 (CRS) v2	D011	84		88.4					
9/1/07	10/1/07	Temp-Intake - D012 (CRS) v2	D012	84		88.4					
9/1/07	10/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600			2800					
10/1/07	11/1/07	Flow - D011 (CRS) v2	D011				1696.7	1713.7			
10/1/07	11/1/07	Flow - Intake - D071 (CRS) v2	D071				214.4	252.06			
10/1/07	11/1/07	Flow - Intake - D072 (CRS) v2	D072				199.41	504			
10/1/07	11/1/07	Flow D-600 (CRS) v2	D-600					0.04			
10/1/07	11/1/07	pH - Background - 7-D071 (CRS) v2	7-D071		8.02	8.02					
10/1/07	11/1/07	pH - Background - 7-D072 (CRS) v2	7-D072		8.02	8.02					
10/1/07	11/1/07	pH - Effluent - P-D071 (CRS) v2	P-D071		8.08	8.08					
10/1/07	11/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072		8.11	8.11					
10/1/07	11/1/07	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.42					
10/1/07	11/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.39					
10/1/07	11/1/07	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.02	8.5					
10/1/07	11/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.02	8.5					
10/1/07	11/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
10/1/07	11/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
10/1/07	11/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
10/1/07	11/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
10/1/07	11/1/07	Temp Rise - D011 (CRS) v2	D011	14.1		16.9					
10/1/07	11/1/07	Temp Rise - D012 (CRS) v2	D012	14.1		16.9					
10/1/07	11/1/07	Temp-Discharge - D011 (CRS) v2	D011	92.4		95.8					
10/1/07	11/1/07	Temp-Discharge - D012 (CRS) v2	D012	92.4		95.8					
10/1/07	11/1/07	Temp-Intake - D011 (CRS) v2	D011	78.4		82.3					
10/1/07	11/1/07	Temp-Intake - D012 (CRS) v2	D012	78.4		82.3					

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10/1/07	11/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600			1400					
11/1/07	12/1/07	Flow - D011 (CRS) v2	D011				1352.06	1612.99			
11/1/07	12/1/07	Flow - Intake - D071 (CRS) v2	D071				141.8	141.8			
11/1/07	12/1/07	Flow - Intake - D072 (CRS) v2	D072				181	181			
11/1/07	12/1/07	Flow D-600 (CRS) v2	D-600					0.01			
11/1/07	12/1/07	pH - Background - 7-D072 (CRS) v2	7-D072		8.12	8.12					
11/1/07	12/1/07	pH - Effluent - P-D072 (CRS) v2	P-D072		8.13	8.13					
11/1/07	12/1/07	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1	-0.37					
11/1/07	12/1/07	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.12	8.5					
11/1/07	12/1/07	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
11/1/07	12/1/07	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
11/1/07	12/1/07	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
11/1/07	12/1/07	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
11/1/07	12/1/07	Temp Rise - D011 (CRS) v2	D011	13.3		18.3					
11/1/07	12/1/07	Temp Rise - D012 (CRS) v2	D012	13.3		18.3					
11/1/07	12/1/07	Temp-Discharge - D011 (CRS) v2	D011	80.3		91.4					
11/1/07	12/1/07	Temp-Discharge - D012 (CRS) v2	D012	80.3		91.4					
11/1/07	12/1/07	Temp-Intake - D011 (CRS) v2	D011	67		72.9					
11/1/07	12/1/07	Temp-Intake - D012 (CRS) v2	D012	67		72.9					
11/1/07	12/1/07	Total Recoverable Iron D-600 (CRS) v2	D-600			960					
12/1/07	1/1/08	Flow - D011 (CRS) v2	D011				1544.8	1613			
12/1/07	1/1/08	Flow - Intake - D071 (CRS) v2	D071				155.58	171.75			
12/1/07	1/1/08	Flow - Intake - D072 (CRS) v2	D072				248.87	350.09			
12/1/07	1/1/08	Flow D-600 (CRS) v2	D-600							NODI=9	
12/1/07	1/1/08	pH - Background - 7-D071 (CRS) v2	7-D071		8.12	8.12					
12/1/07	1/1/08	pH - Background - 7-D072 (CRS) v2	7-D072		8.12	8.12					
12/1/07	1/1/08	pH - Effluent - P-D071 (CRS) v2	P-D071		8.13	8.13					
12/1/07	1/1/08	pH - Effluent - P-D072 (CRS) v2	P-D072		8.13	8.13					
12/1/07	1/1/08	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1	-0.37					
12/1/07	1/1/08	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1	-0.37					
12/1/07	1/1/08	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.12	8.5					
12/1/07	1/1/08	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.12	8.5					
12/1/07	1/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
12/1/07	1/1/08	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					

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12/1/07	1/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
12/1/07	1/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
12/1/07	1/1/08	Temp Rise - D011 (CRS) v2	D011	13.9		17.1					
12/1/07	1/1/08	Temp Rise - D012 (CRS) v2	D012	13.9		17.1					
12/1/07	1/1/08	Temp-Discharge - D011 (CRS) v2	D011	78.8		87.5					
12/1/07	1/1/08	Temp-Discharge - D012 (CRS) v2	D012	78.8		87.5					
12/1/07	1/1/08	Temp-Intake - D011 (CRS) v2	D011	65.6		71.6					
12/1/07	1/1/08	Temp-Intake - D012 (CRS) v2	D012	65.6		71.6					
12/1/07	1/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600							NODI=9	
12/1/07	1/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011						NODI=9	NODI=9	
12/1/07	1/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						NODI=9	NODI=9	
1/1/08	2/1/08	Flow - D011 (CRS) v2	D011				1494.4	1514			
1/1/08	2/1/08	Flow - Intake - D071 (CRS) v2	D071				0	0			
1/1/08	2/1/08	Flow - Intake - D072 (CRS) v2	D072				0	0			
1/1/08	2/1/08	Flow D-600 (CRS) v2	D-600					0.01			
1/1/08	2/1/08	pH - Background - 7-D071 (CRS) v2	7-D071							MNR	MNR
1/1/08	2/1/08	pH - Effluent - P-D071 (CRS) v2	P-D071							MNR	MNR
1/1/08	2/1/08	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							MNR	MNR
1/1/08	2/1/08	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							MNR	MNR
1/1/08	2/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
1/1/08	2/1/08	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
1/1/08	2/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
1/1/08	2/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
1/1/08	2/1/08	Temp Rise - D011 (CRS) v2	D011	17.3		19.7					
1/1/08	2/1/08	Temp Rise - D012 (CRS) v2	D012	17.3		19.7					
1/1/08	2/1/08	Temp-Discharge - D011 (CRS) v2	D011	75.2		82.4					
1/1/08	2/1/08	Temp-Discharge - D012 (CRS) v2	D012	75.2		82.4					
1/1/08	2/1/08	Temp-Intake - D011 (CRS) v2	D011	58.2		67.8					
1/1/08	2/1/08	Temp-Intake - D012 (CRS) v2	D012	58.2		67.8					
1/1/08	2/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600			4000					
1/1/08	2/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
1/1/08	2/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
2/1/08	3/1/08	Flow - D011 (CRS) v2	D011				1502.1	1518.2			
2/1/08	3/1/08	Flow - Intake - D071 (CRS) v2	D071				0	0			

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2/1/08	3/1/08	Flow - Intake - D072 (CRS) v2	D072				0	0			
2/1/08	3/1/08	Flow D-600 (CRS) v2	D-600					0.03			
2/1/08	3/1/08	pH - Background - 7-D071 (CRS) v2	7-D071							MNR	MNR
2/1/08	3/1/08	pH - Background - 7-D072 (CRS) v2	7-D072							MNR	MNR
2/1/08	3/1/08	pH - Effluent - P-D071 (CRS) v2	P-D071							MNR	MNR
2/1/08	3/1/08	pH - Effluent - P-D072 (CRS) v2	P-D072							MNR	MNR
2/1/08	3/1/08	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							MNR	MNR
2/1/08	3/1/08	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							MNR	MNR
2/1/08	3/1/08	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							MNR	MNR
2/1/08	3/1/08	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							MNR	MNR
2/1/08	3/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
2/1/08	3/1/08	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
2/1/08	3/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
2/1/08	3/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
2/1/08	3/1/08	Temp Rise - D011 (CRS) v2	D011	16.7		18.2					
2/1/08	3/1/08	Temp Rise - D012 (CRS) v2	D012	16.7		18.2					
2/1/08	3/1/08	Temp-Discharge - D011 (CRS) v2	D011	80.1		87					
2/1/08	3/1/08	Temp-Discharge - D012 (CRS) v2	D012	80.1		87					
2/1/08	3/1/08	Temp-Intake - D011 (CRS) v2	D011	63.6		69.3					
2/1/08	3/1/08	Temp-Intake - D012 (CRS) v2	D012	63.6		69.3					
2/1/08	3/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600			7800					
2/1/08	3/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
2/1/08	3/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
3/1/08	4/1/08	Flow - D011 (CRS) v2	D011				1426.6	1613			
3/1/08	4/1/08	Flow - Intake - D071 (CRS) v2	D071				29.14	51.21			
3/1/08	4/1/08	Flow - Intake - D072 (CRS) v2	D072				13.56	13.56			
3/1/08	4/1/08	Flow D-600 (CRS) v2	D-600					0.02			
3/1/08	4/1/08	pH - Background - 7-D071 (CRS) v2	7-D071		8.07	8.07					
3/1/08	4/1/08	pH - Background - 7-D072 (CRS) v2	7-D072		8.07	8.07					
3/1/08	4/1/08	pH - Effluent - P-D071 (CRS) v2	P-D071		8.12	8.12					
3/1/08	4/1/08	pH - Effluent - P-D072 (CRS) v2	P-D072		8.12	8.12					
3/1/08	4/1/08	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.38					
3/1/08	4/1/08	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.38					
3/1/08	4/1/08	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.07	8.57					

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3/1/08	4/1/08	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.07	8.5					
3/1/08	4/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
3/1/08	4/1/08	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
3/1/08	4/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
3/1/08	4/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
3/1/08	4/1/08	Temp Rise - D011 (CRS) v2	D011	10.5		17.7					
3/1/08	4/1/08	Temp Rise - D012 (CRS) v2	D012	10.5		17.7					
3/1/08	4/1/08	Temp-Discharge - D011 (CRS) v2	D011	76		87.8					
3/1/08	4/1/08	Temp-Discharge - D012 (CRS) v2	D012	76		87.8					
3/1/08	4/1/08	Temp-Intake - D011 (CRS) v2	D011	65.6		71.4					
3/1/08	4/1/08	Temp-Intake - D012 (CRS) v2	D012	65.6		71.4					
3/1/08	4/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600			1200					
3/1/08	4/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011	0		0			MNR	MNR	
3/1/08	4/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
3/1/08	4/1/08	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
3/1/08	4/1/08	Total Residual Ox 1-D072 (CRS) v2	1-D072	0		0					
4/1/08	5/1/08	Flow - D011 (CRS) v2	D011				1419.3	1612			
4/1/08	5/1/08	Flow - Intake - D071 (CRS) v2	D071				73.14	252			
4/1/08	5/1/08	Flow - Intake - D072 (CRS) v2	D072				80.24	195.75			
4/1/08	5/1/08	Flow D-600 (CRS) v2	D-600					0.02			
4/1/08	5/1/08	pH - Background - 7-D071 (CRS) v2	7-D071			8					
4/1/08	5/1/08	pH - Background - 7-D072 (CRS) v2	7-D072			8					
4/1/08	5/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
4/1/08	5/1/08	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
4/1/08	5/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
4/1/08	5/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
4/1/08	5/1/08	Temp Rise - D011 (CRS) v2	D011	14.6		17.3					
4/1/08	5/1/08	Temp Rise - D012 (CRS) v2	D012	14.6		17.3					
4/1/08	5/1/08	Temp-Discharge - D011 (CRS) v2	D011	88.6		93.5					
4/1/08	5/1/08	Temp-Discharge - D012 (CRS) v2	D012	88.6		93.5					
4/1/08	5/1/08	Temp-Intake - D011 (CRS) v2	D011	73.5		79.3					
4/1/08	5/1/08	Temp-Intake - D012 (CRS) v2	D012	73.5		79.3					
4/1/08	5/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600			3900					
4/1/08	5/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	

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4/1/08	5/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
4/1/08	5/1/08	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
4/1/08	5/1/08	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	
5/1/08	6/1/08	Flow - D011 (CRS) v2	D011				1701	1713.7			
5/1/08	6/1/08	Flow - Intake - D071 (CRS) v2	D071				75.79	252			
5/1/08	6/1/08	Flow - Intake - D072 (CRS) v2	D072				181.81	367.33			
5/1/08	6/1/08	Flow D-600 (CRS) v2	D-600					0		NODI=9	
5/1/08	6/1/08	pH - Background - 7-D071 (CRS) v2	7-D071		8.07	8.07					
5/1/08	6/1/08	pH - Background - 7-D072 (CRS) v2	7-D072		8.07	8.07					
5/1/08	6/1/08	pH - Effluent - P-D071 (CRS) v2	P-D071		8.1	8.1					
5/1/08	6/1/08	pH - Effluent - P-D072 (CRS) v2	P-D072		8.12	8.12					
5/1/08	6/1/08	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1	-0.4					
5/1/08	6/1/08	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.38					
5/1/08	6/1/08	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.07	8.5					
5/1/08	6/1/08	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.07	8.5					
5/1/08	6/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
5/1/08	6/1/08	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
5/1/08	6/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
5/1/08	6/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
5/1/08	6/1/08	Temp Rise - D011 (CRS) v2	D011	13.7		16.1					
5/1/08	6/1/08	Temp Rise - D012 (CRS) v2	D012	13.7		16.1					
5/1/08	6/1/08	Temp-Discharge - D011 (CRS) v2	D011	92		95.7					
5/1/08	6/1/08	Temp-Discharge - D012 (CRS) v2	D012	92		95.7					
5/1/08	6/1/08	Temp-Intake - D011 (CRS) v2	D011	78.4		83					
5/1/08	6/1/08	Temp-Intake - D012 (CRS) v2	D012	78.4		83					
5/1/08	6/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600							NODI=9	
5/1/08	6/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
5/1/08	6/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
5/1/08	6/1/08	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
5/1/08	6/1/08	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	
6/1/08	7/1/08	Flow - D011 (CRS) v2	D011				1692.3	1713.7			
6/1/08	7/1/08	Flow - Intake - D071 (CRS) v2	D071				455.63	635.11			
6/1/08	7/1/08	Flow - Intake - D072 (CRS) v2	D072				504.03	623.52			
6/1/08	7/1/08	Flow D-600 (CRS) v2	D-600					0.02			

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
6/1/08	7/1/08	pH - Background - 7-D071 (CRS) v2	7-D071		8.24	8.24					
6/1/08	7/1/08	pH - Background - 7-D072 (CRS) v2	7-D072		8.24	8.24					
6/1/08	7/1/08	pH - Effluent - P-D071 (CRS) v2	P-D071		8.14	8.14					
6/1/08	7/1/08	pH - Effluent - P-D072 (CRS) v2	P-D072		8.14	8.14					
6/1/08	7/1/08	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		0.9	-0.36					
6/1/08	7/1/08	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		0.9	-0.36					
6/1/08	7/1/08	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.24	8.5					
6/1/08	7/1/08	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.24	8.5					
6/1/08	7/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
6/1/08	7/1/08	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
6/1/08	7/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
6/1/08	7/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
6/1/08	7/1/08	Temp Rise - D011 (CRS) v2	D011	8.2		11					
6/1/08	7/1/08	Temp Rise - D012 (CRS) v2	D012	8.2		11					
6/1/08	7/1/08	Temp-Discharge - D011 (CRS) v2	D011	90.3		95.8					
6/1/08	7/1/08	Temp-Discharge - D012 (CRS) v2	D012	90.3		95.8					
6/1/08	7/1/08	Temp-Intake - D011 (CRS) v2	D011	82.2		88					
6/1/08	7/1/08	Temp-Intake - D012 (CRS) v2	D012	82.2		88					
6/1/08	7/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600			1300					
6/1/08	7/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
6/1/08	7/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
6/1/08	7/1/08	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
6/1/08	7/1/08	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	
7/1/08	8/1/08	Flow - D011 (CRS) v2	D011				1419.3	1612			
7/1/08	8/1/08	Flow - Intake - D071 (CRS) v2	D071				530.17	643.68			
7/1/08	8/1/08	Flow - Intake - D072 (CRS) v2	D072				518.77	623.52			
7/1/08	8/1/08	Flow D-600 (CRS) v2	D-600					0.03			
7/1/08	8/1/08	pH - Background - 7-D071 (CRS) v2	7-D071		8.3	8.3					
7/1/08	8/1/08	pH - Background - 7-D072 (CRS) v2	7-D072		8.3	8.3					
7/1/08	8/1/08	pH - Effluent - P-D071 (CRS) v2	P-D071		8.2	8.2					
7/1/08	8/1/08	pH - Effluent - P-D072 (CRS) v2	P-D072		8.2	8.2					
7/1/08	8/1/08	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		0.9	-0.36					
7/1/08	8/1/08	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		0.9	0.36					
7/1/08	8/1/08	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.28	8.5					

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7/1/08	8/1/08	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.28	8.5					
7/1/08	8/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
7/1/08	8/1/08	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
7/1/08	8/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
7/1/08	8/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
7/1/08	8/1/08	Temp Rise - D011 (CRS) v2	D011	7.4		9.5					
7/1/08	8/1/08	Temp Rise - D012 (CRS) v2	D012	7.4		9.5					
7/1/08	8/1/08	Temp-Discharge - D011 (CRS) v2	D011	93.7		96.3					
7/1/08	8/1/08	Temp-Discharge - D012 (CRS) v2	D012	93.7		96.3					
7/1/08	8/1/08	Temp-Intake - D011 (CRS) v2	D011	86.4		89.7					
7/1/08	8/1/08	Temp-Intake - D012 (CRS) v2	D012	86.4		89.7					
7/1/08	8/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600			620					
7/1/08	8/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
7/1/08	8/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
7/1/08	8/1/08	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
7/1/08	8/1/08	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	
8/1/08	9/1/08	Arsenic - D-00H (CRS) v2	D0H							NODI=9	
8/1/08	9/1/08	Cadmium - D-00H (CRS) v2	D0H							NODI=9	
8/1/08	9/1/08	Chromium - D-00H (CRS) v2	D0H							NODI=9	
8/1/08	9/1/08	Copper - D-00H (CRS) v2	D0H							NODI=9	
8/1/08	9/1/08	Flow - D011 (CRS) v2	D011				1681.38	1713.69			
8/1/08	9/1/08	Flow - Intake - D071 (CRS) v2	D071				349.43	582			
8/1/08	9/1/08	Flow - Intake - D072 (CRS) v2	D072				380.63	565.47			
8/1/08	9/1/08	Flow D-600 (CRS) v2	D-600					0.31			
8/1/08	9/1/08	Iron - D-00H (CRS) v2	D-00H							NODI=9	
8/1/08	9/1/08	Lead - D-00H (CRS) v2	D-00H							NODI=9	
8/1/08	9/1/08	Mercury - D-00H (CRS) v2	D-00H							NODI=9	
8/1/08	9/1/08	Nickel - D-00H (CRS) v2	D-00H							NODI=9	
8/1/08	9/1/08	pH - Background - 7-D071 (CRS) v2	7-D071		8.3	8.3					
8/1/08	9/1/08	pH - Background - 7-D072 (CRS) v2	7-D072		8.3	8.3					
8/1/08	9/1/08	pH - Effluent - P-D071 (CRS) v2	P-D071		8.2	8.2					
8/1/08	9/1/08	pH - Effluent - P-D072 (CRS) v2	P-D072		8.2	8.2					
8/1/08	9/1/08	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		0.9						0.3
8/1/08	9/1/08	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		0.9	0.3					

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8/1/08	9/1/08	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.28	8.5					
8/1/08	9/1/08	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.28	8.5					
8/1/08	9/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
8/1/08	9/1/08	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
8/1/08	9/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
8/1/08	9/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
8/1/08	9/1/08	Selenium - D-00H (CRS) v2	D-00H							NODI=9	
8/1/08	9/1/08	Temp Rise - D011 (CRS) v2	D011	8.3		12.4					
8/1/08	9/1/08	Temp Rise - D012 (CRS) v2	D012	8.3		12.4					
8/1/08	9/1/08	Temp-Discharge - D011 (CRS) v2	D011	92.1		94.9					
8/1/08	9/1/08	Temp-Discharge - D012 (CRS) v2	D012	92		95.8					
8/1/08	9/1/08	Temp-Intake - D011 (CRS) v2	D011	82.9		88					
8/1/08	9/1/08	Temp-Intake - D012 (CRS) v2	D012	82.9		88					
8/1/08	9/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600			1800					
8/1/08	9/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
8/1/08	9/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
8/1/08	9/1/08	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	
8/1/08	9/1/08	TSS - D-00H (CRS) v2	D-00H							NODI=9	
8/1/08	9/1/08	Vanadium - D-00H (CRS) v2	D-00H							NODI=9	
8/1/08	9/1/08	Zinc - D-00H (CRS) v2	D-00H							NODI=9	
9/1/08	10/1/08	Arsenic - D-00H (CRS) v2	D0H								
9/1/08	10/1/08	Arsenic - D0C1 (CRS) v2	D0C1			82					
9/1/08	10/1/08	Cadmium - D-00H (CRS) v2	D0H								
9/1/08	10/1/08	Cadmium - D0C1 (CRS) v2	D0C1			1					
9/1/08	10/1/08	Chromium - D-00H (CRS) v2	D0H								
9/1/08	10/1/08	Chromium - D0C1 (CRS) v2	D0C1							<4	
9/1/08	10/1/08	Copper - D-00H (CRS) v2	D0H								
9/1/08	10/1/08	Copper - D0C1 (CRS) v2	D0C1			2.2					
9/1/08	10/1/08	Flow - D011 (CRS) v2	D011				1712.7	1476.2			
9/1/08	10/1/08	Flow - D0C1 (CRS) v2	D0C1				0.9	0.9			
9/1/08	10/1/08	Flow - Intake - D071 (CRS) v2	D071				442.22	549.09			
9/1/08	10/1/08	Flow - Intake - D072 (CRS) v2	D072				275.65	505.41			
9/1/08	10/1/08	Flow D-600 (CRS) v2	D-600					0.19			
9/1/08	10/1/08	Iron - D-00H (CRS) v2	D-00H								

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9/1/08	10/1/08	Iron - D0C1 (CRS) v2	D0C1			0.42					
9/1/08	10/1/08	Lead - D-00H (CRS) v2	D0H								
9/1/08	10/1/08	Lead - D0C1 (CRS) v2	D0C1							<1	
9/1/08	10/1/08	Mercury - D-00H (CRS) v2	D-00H								
9/1/08	10/1/08	Mercury - D0C1 (CRS) v2	D0C1							<0.1	
9/1/08	10/1/08	Nickel - D-00H (CRS) v2	D-00H								
9/1/08	10/1/08	Nickel - D0C1 (CRS) v2	D0C1							<1.0	
9/1/08	10/1/08	*Oil and Grease - D0C1 (CRS) v2*	D0C1			1.3					
9/1/08	10/1/08	pH - Background - 7-D071 (CRS) v2	7-D071		8.25	8.25					
9/1/08	10/1/08	pH - Background - 7-D072 (CRS) v2	7-D072		8.25	8.25					
9/1/08	10/1/08	pH - Background - D0C1 (CRS) v2	D0C1		8.25	8.25					
9/1/08	10/1/08	pH - Calc Limit - D0C1 (CRS) v2	D0C1								
9/1/08	10/1/08	pH - Difference - D0C1 (CRS) v2	D0C1								
9/1/08	10/1/08	pH - Effluent - D0C1 (CRS) v2	D0C1		7.9	7.9					
9/1/08	10/1/08	pH - Effluent - P-D071 (CRS) v2	P-D071		8.05	8.05					
9/1/08	10/1/08	pH - Effluent - P-D072 (CRS) v2	P-D072		8.1	8.1					
9/1/08	10/1/08	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		0.9	-0.4					
9/1/08	10/1/08	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.25	8.5					
9/1/08	10/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
9/1/08	10/1/08	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
9/1/08	10/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
9/1/08	10/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
9/1/08	10/1/08	Selenium - D-00H (CRS) v2	D-00H								
9/1/08	10/1/08	Selenium - D0C1 (CRS) v2	D0C1			1					
9/1/08	10/1/08	Temp Rise - D011 (CRS) v2	D011	9.2		13.6					
9/1/08	10/1/08	Temp Rise - D012 (CRS) v2	D012	9.2		13.6					
9/1/08	10/1/08	Temp-Discharge - D011 (CRS) v2	D011	89.6		95.9					
9/1/08	10/1/08	Temp-Discharge - D012 (CRS) v2	D012	89.6		95.9					
9/1/08	10/1/08	Temp-Intake - D011 (CRS) v2	D011	80.5		87.6					
9/1/08	10/1/08	Temp-Intake - D012 (CRS) v2	D012	80.5		87.6					
9/1/08	10/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600			120					
9/1/08	10/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
9/1/08	10/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
9/1/08	10/1/08	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	

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9/1/08	10/1/08	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	
9/1/08	10/1/08	TSS - D-00H (CRS) v2	D-00H								
9/1/08	10/1/08	TSS - D0C1 (CRS) v2	D0C1	21		21					
9/1/08	10/1/08	Vanadium - D-00H (CRS) v2	D-00H								
9/1/08	10/1/08	Zinc - D-00H (CRS) v2	D-00H								
9/1/08	10/1/08	Zinc - D0C1 (CRS) v2	D0C1			5.9					
10/1/08	11/1/08	Flow - D011 (CRS) v2	D011				1610.2	1352			
10/1/08	11/1/08	Flow - D0C1 (CRS) v2	D0C1				0	0			
10/1/08	11/1/08	Flow - Intake - D071 (CRS) v2	D071				0.96	0.96			
10/1/08	11/1/08	Flow - Intake - D072 (CRS) v2	D072				0	0			
10/1/08	11/1/08	Flow D-600 (CRS) v2	D-600							SEF	
10/1/08	11/1/08	pH - Background - 7-D071 (CRS) v2	7-D071		8.45	8.45					
10/1/08	11/1/08	pH - Background - 7-D072 (CRS) v2	7-D072		8.45	8.45					
10/1/08	11/1/08	pH - Background - D0C1 (CRS) v2	D0C1		0	0					
10/1/08	11/1/08	pH - Calc Limit - D0C1 (CRS) v2	D0C1		0	0					
10/1/08	11/1/08	pH - Difference - D0C1 (CRS) v2	D0C1		0	0					
10/1/08	11/1/08	pH - Effluent - D0C1 (CRS) v2	D0C1		0	0					
10/1/08	11/1/08	pH - Effluent - P-D071 (CRS) v2	P-D071		8.14	8.14					
10/1/08	11/1/08	pH - Effluent - P-D072 (CRS) v2	P-D072		8.12	8.12					
10/1/08	11/1/08	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		0.7	-0.36					
10/1/08	11/1/08	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		0.7	-0.38					
10/1/08	11/1/08	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.45	8.5					
10/1/08	11/1/08	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.45	8.5					
10/1/08	11/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
10/1/08	11/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
10/1/08	11/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
10/1/08	11/1/08	Temp Rise - D011 (CRS) v2	D011	14.1		16.6					
10/1/08	11/1/08	Temp Rise - D012 (CRS) v2	D012	14.1		16.6					
10/1/08	11/1/08	Temp-Discharge - D011 (CRS) v2	D011	88.7		93.7					
10/1/08	11/1/08	Temp-Discharge - D012 (CRS) v2	D012	88.7		93.7					
10/1/08	11/1/08	Temp-Intake - D011 (CRS) v2	D011	74.7		81.9					
10/1/08	11/1/08	Temp-Intake - D012 (CRS) v2	D012	74.7		81.9					
10/1/08	11/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600							SEF	
10/1/08	11/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	

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10/1/08	11/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
10/1/08	11/1/08	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
10/1/08	11/1/08	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	
11/1/08	12/1/08	Flow - D011 (CRS) v2	D011				1579.07	1612.99			
11/1/08	12/1/08	Flow - D0C1 (CRS) v2	D0C1				0	0			
11/1/08	12/1/08	Flow - Intake - D071 (CRS) v2	D071				0	0			
11/1/08	12/1/08	Flow - Intake - D072 (CRS) v2	D072				0	0			
11/1/08	12/1/08	Flow D-600 (CRS) v2	D-600							0.70	
11/1/08	12/1/08	pH - Background - 7-D071 (CRS) v2	7-D071							MNR	MNR
11/1/08	12/1/08	pH - Background - 7-D072 (CRS) v2	7-D072							MNR	MNR
11/1/08	12/1/08	pH - Background - D0C1 (CRS) v2	D0C1			0					
11/1/08	12/1/08	pH - Calc Limit - D0C1 (CRS) v2	D0C1		0	0					
11/1/08	12/1/08	pH - Difference - D0C1 (CRS) v2	D0C1		0	0					
11/1/08	12/1/08	pH - Effluent - D0C1 (CRS) v2	D0C1		0	0					
11/1/08	12/1/08	pH - Effluent - P-D071 (CRS) v2	P-D071							MNR	MNR
11/1/08	12/1/08	pH - Effluent - P-D072 (CRS) v2	P-D072							MNR	MNR
11/1/08	12/1/08	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							MNR	MNR
11/1/08	12/1/08	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							MNR	MNR
11/1/08	12/1/08	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							MNR	MNR
11/1/08	12/1/08	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							MNR	MNR
11/1/08	12/1/08	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
11/1/08	12/1/08	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
11/1/08	12/1/08	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
11/1/08	12/1/08	Temp Rise - D011 (CRS) v2	D011	14.6		17.3					
11/1/08	12/1/08	Temp Rise - D012 (CRS) v2	D012	14.6		17.3					
11/1/08	12/1/08	Temp-Discharge - D011 (CRS) v2	D011	88.7		92					
11/1/08	12/1/08	Temp-Discharge - D012 (CRS) v2	D012	88.7		92					
11/1/08	12/1/08	Temp-Intake - D011 (CRS) v2	D011	73.5		79.3					
11/1/08	12/1/08	Temp-Intake - D012 (CRS) v2	D012	73.5		79.3					
11/1/08	12/1/08	Total Recoverable Iron D-600 (CRS) v2	D-600							4.6	
11/1/08	12/1/08	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
11/1/08	12/1/08	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
11/1/08	12/1/08	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
11/1/08	12/1/08	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	

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12/1/08	1/1/09	Flow - D-00H (CRS) v2	D0H					0			
12/1/08	1/1/09	Flow - D011 (CRS) v2	D011				1597.4	1613			
12/1/08	1/1/09	Flow - D0C1 (CRS) v2	D0C1				0	0			
12/1/08	1/1/09	Flow - D0C2 (CRS) v2	D0C2				0	0			
12/1/08	1/1/09	Flow - Intake - D071 (CRS) v2	D071				0	0			
12/1/08	1/1/09	Flow - Intake - D072 (CRS) v2	D072				0	0			
12/1/08	1/1/09	Flow D-600 (CRS) v2	D-600					0.02			
12/1/08	1/1/09	pH - Background - 7-D071 (CRS) v2	7-D071							MNR	MNR
12/1/08	1/1/09	pH - Background - 7-D072 (CRS) v2	7-D072							MNR	MNR
12/1/08	1/1/09	pH - Background - D0C1 (CRS) v2	D0C1		0	0					
12/1/08	1/1/09	pH - Calc Limit - D0C1 (CRS) v2	D0C1		0	0					
12/1/08	1/1/09	pH - Difference - D0C1 (CRS) v2	D0C1		0	0					
12/1/08	1/1/09	pH - Effluent - D0C1 (CRS) v2	D0C1		0	0					
12/1/08	1/1/09	pH - Effluent - P-D071 (CRS) v2	P-D071							MNR	MNR
12/1/08	1/1/09	pH - Effluent - P-D072 (CRS) v2	P-D072							MNR	MNR
12/1/08	1/1/09	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							MNR	MNR
12/1/08	1/1/09	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							MNR	MNR
12/1/08	1/1/09	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							MNR	MNR
12/1/08	1/1/09	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							MNR	MNR
12/1/08	1/1/09	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
12/1/08	1/1/09	Resid Ox - Dis Time - D072 (CRS) v2	D072							MNR	
12/1/08	1/1/09	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
12/1/08	1/1/09	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
12/1/08	1/1/09	Temp Rise - D011 (CRS) v2	D011	16.3		18					
12/1/08	1/1/09	Temp Rise - D012 (CRS) v2	D012	16.3		18					
12/1/08	1/1/09	Temp-Discharge - D011 (CRS) v2	D011	78.2		85.1					
12/1/08	1/1/09	Temp-Discharge - D012 (CRS) v2	D012	78.2		85.1					
12/1/08	1/1/09	Temp-Intake - D011 (CRS) v2	D011	61.8		66.6					
12/1/08	1/1/09	Temp-Intake - D012 (CRS) v2	D012	61.8		66.6					
12/1/08	1/1/09	Total Recoverable Iron D-600 (CRS) v2	D-600			4900					
12/1/08	1/1/09	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
12/1/08	1/1/09	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
12/1/08	1/1/09	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
12/1/08	1/1/09	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	

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Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
1/1/09	2/1/09	Flow - D-00H (CRS) v2	D0H					0			
1/1/09	2/1/09	Flow - D011 (CRS) v2	D011				1544.7	1612.99			
1/1/09	2/1/09	Flow - D0C1 (CRS) v2	D0C1				0	0			
1/1/09	2/1/09	Flow - D0C2 (CRS) v2	D0C2				0	0			
1/1/09	2/1/09	Flow - Intake - D071 (CRS) v2	D071				0	0			
1/1/09	2/1/09	Flow - Intake - D072 (CRS) v2	D072				0	0			
1/1/09	2/1/09	Flow D-600 (CRS) v2	D-600					0.02			
1/1/09	2/1/09	pH - Background - 7-D071 (CRS) v2	7-D071							MNR	MNR
1/1/09	2/1/09	pH - Background - 7-D072 (CRS) v2	7-D072							MNR	MNR
1/1/09	2/1/09	pH - Background - D0C1 (CRS) v2	D0C1		0	0					
1/1/09	2/1/09	pH - Calc Limit - D0C1 (CRS) v2	D0C1		0	0					
1/1/09	2/1/09	pH - Difference - D0C1 (CRS) v2	D0C1		0	0					
1/1/09	2/1/09	pH - Effluent - D0C1 (CRS) v2	D0C1		0	0					
1/1/09	2/1/09	pH - Effluent - P-D071 (CRS) v2	P-D071							MNR	MNR
1/1/09	2/1/09	pH - Effluent - P-D072 (CRS) v2	P-D072							MNR	MNR
1/1/09	2/1/09	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							MNR	MNR
1/1/09	2/1/09	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							MNR	MNR
1/1/09	2/1/09	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							MNR	MNR
1/1/09	2/1/09	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							MNR	MNR
1/1/09	2/1/09	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
1/1/09	2/1/09	Resid Ox - Dis Time - D072 (CRS) v2	D072							MNR	
1/1/09	2/1/09	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
1/1/09	2/1/09	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
1/1/09	2/1/09	Temp Rise - D011 (CRS) v2	D011	14.8		17.8					
1/1/09	2/1/09	Temp Rise - D012 (CRS) v2	D012	14.8		17.8					
1/1/09	2/1/09	Temp-Discharge - D011 (CRS) v2	D011	73.9		84.8					
1/1/09	2/1/09	Temp-Discharge - D012 (CRS) v2	D012	73.9		84.8					
1/1/09	2/1/09	Temp-Intake - D011 (CRS) v2	D011	59.2		68.3					
1/1/09	2/1/09	Temp-Intake - D012 (CRS) v2	D012	59.2		68.3					
1/1/09	2/1/09	Total Recoverable Iron D-600 (CRS) v2	D-600			2800					
1/1/09	2/1/09	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
1/1/09	2/1/09	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
1/1/09	2/1/09	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
1/1/09	2/1/09	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	

Crystal River South DMR Data
Permit No. FL00000159

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
2/1/09	3/1/09	Flow - D-00H (CRS) v2	D0H					0			
2/1/09	3/1/09	Flow - D011 (CRS) v2	D011				1504.5	1612.1			
2/1/09	3/1/09	Flow - Intake - D071 (CRS) v2	D071				0	0			
2/1/09	3/1/09	Flow - Intake - D072 (CRS) v2	D072				10.94	10.94			
2/1/09	3/1/09	Flow D-600 (CRS) v2	D-600					0.07			
2/1/09	3/1/09	pH - Background - 7-D071 (CRS) v2	7-D071							MNR	MNR
2/1/09	3/1/09	pH - Background - 7-D072 (CRS) v2	7-D072							8.29	8.29
2/1/09	3/1/09	pH - Effluent - P-D071 (CRS) v2	P-D071							MNR	MNR
2/1/09	3/1/09	pH - Effluent - P-D072 (CRS) v2	P-D072							8.13	8.13
2/1/09	3/1/09	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071							MNR	MNR
2/1/09	3/1/09	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							-0.37	0.8
2/1/09	3/1/09	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071							MNR	MNR
2/1/09	3/1/09	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							8.5	7.29
2/1/09	3/1/09	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
2/1/09	3/1/09	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
2/1/09	3/1/09	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
2/1/09	3/1/09	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
2/1/09	3/1/09	Temp Rise - D011 (CRS) v2	D011	13.6		17.4					
2/1/09	3/1/09	Temp Rise - D012 (CRS) v2	D012	13.6		17.4					
2/1/09	3/1/09	Temp-Discharge - D011 (CRS) v2	D011	72.2		80.4					
2/1/09	3/1/09	Temp-Discharge - D012 (CRS) v2	D012	72.2		80.4					
2/1/09	3/1/09	Temp-Intake - D011 (CRS) v2	D011	58.7		64					
2/1/09	3/1/09	Temp-Intake - D012 (CRS) v2	D012	58.7		64					
2/1/09	3/1/09	Total Recoverable Iron D-600 (CRS) v2	D-600			640					
2/1/09	3/1/09	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
2/1/09	3/1/09	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
2/1/09	3/1/09	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
2/1/09	3/1/09	Total Residual Ox 1-D072 (CRS) v2	1-D072	0		0					
3/1/09	4/1/09	Flow - D-00H (CRS) v2	D0H					0			
3/1/09	4/1/09	Flow - D011 (CRS) v2	D011				1571.46	1602.05			
3/1/09	4/1/09	Flow - Intake - D071 (CRS) v2	D071				36.7	62.38			
3/1/09	4/1/09	Flow - Intake - D072 (CRS) v2	D072				39.46	65.11			
3/1/09	4/1/09	Flow D-600 (CRS) v2	D-600					0			
3/1/09	4/1/09	pH - Background - 7-D071 (CRS) v2	7-D071		8.29	8.29					

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Permit No. FL00000159

Begin date	End Date	PARAMETER NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
3/1/09	4/1/09	pH - Background - 7-D072 (CRS) v2	7-D072							8.29	8.29
3/1/09	4/1/09	pH - Effluent - P-D071 (CRS) v2	P-D071		8.11	8.11					
3/1/09	4/1/09	pH - Effluent - P-D072 (CRS) v2	P-D072							8.13	8.13
3/1/09	4/1/09	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		0.8	-0.39					
3/1/09	4/1/09	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072							-0.37	0.8
3/1/09	4/1/09	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.29	8.5					
3/1/09	4/1/09	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072							8.5	7.29
3/1/09	4/1/09	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
3/1/09	4/1/09	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
3/1/09	4/1/09	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
3/1/09	4/1/09	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
3/1/09	4/1/09	Temp Rise - D011 (CRS) v2	D011	14.8		16.5					
3/1/09	4/1/09	Temp Rise - D012 (CRS) v2	D012	14.8		16.5					
3/1/09	4/1/09	Temp-Discharge - D011 (CRS) v2	D011	81.5		91					
3/1/09	4/1/09	Temp-Discharge - D012 (CRS) v2	D012	81.5		91					
3/1/09	4/1/09	Temp-Intake - D011 (CRS) v2	D011	66.8		74.1					
3/1/09	4/1/09	Temp-Intake - D012 (CRS) v2	D012	66.8		74.1					
3/1/09	4/1/09	Total Recoverable Iron D-600 (CRS) v2	D-600							MNR	
3/1/09	4/1/09	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
3/1/09	4/1/09	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
3/1/09	4/1/09	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
3/1/09	4/1/09	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	
4/1/09	5/1/09	Flow - D011 (CRS) v2	D011				1580.6	1607.6			
4/1/09	5/1/09	Flow - Intake - D071 (CRS) v2	D071				160.25	253.1			
4/1/09	5/1/09	Flow - Intake - D072 (CRS) v2	D072				7.89	23.62			
4/1/09	5/1/09	Flow D-600 (CRS) v2	D-600					0.12			
4/1/09	5/1/09	pH - Background - 7-D071 (CRS) v2	7-D071		8.11	8.11					
4/1/09	5/1/09	pH - Background - 7-D072 (CRS) v2	7-D072		8.11	8.11					
4/1/09	5/1/09	pH - Effluent - P-D071 (CRS) v2	P-D071		8.19	8.19					
4/1/09	5/1/09	pH - Effluent - P-D072 (CRS) v2	P-D072		8.19	8.19					
4/1/09	5/1/09	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1.1	-0.31					
4/1/09	5/1/09	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.31					
4/1/09	5/1/09	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.11	8.5					
4/1/09	5/1/09	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.11	8.5					

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Permit No. FL00000159

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
4/1/09	5/1/09	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
4/1/09	5/1/09	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
4/1/09	5/1/09	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
4/1/09	5/1/09	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
4/1/09	5/1/09	Temp Rise - D011 (CRS) v2	D011	14.8		17.2					
4/1/09	5/1/09	Temp Rise - D012 (CRS) v2	D012	15.7		17.2					
4/1/09	5/1/09	Temp-Discharge - D011 (CRS) v2	D011	87.6		93.9					
4/1/09	5/1/09	Temp-Discharge - D012 (CRS) v2	D012	87.6		93.9					
4/1/09	5/1/09	Temp-Intake - D011 (CRS) v2	D011	72		77.1					
4/1/09	5/1/09	Temp-Intake - D012 (CRS) v2	D012	72		77.1					
4/1/09	5/1/09	Total Recoverable Iron D-600 (CRS) v2	D-600			5000					
4/1/09	5/1/09	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
4/1/09	5/1/09	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
4/1/09	5/1/09	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
4/1/09	5/1/09	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	
5/1/09	6/1/09	Flow - D011 (CRS) v2	D011				1664.4	1690.1			
5/1/09	6/1/09	Flow - Intake - D071 (CRS) v2	D071				335.93	505.46			
5/1/09	6/1/09	Flow - Intake - D072 (CRS) v2	D072				179.84	375.14			
5/1/09	6/1/09	Flow D-600 (CRS) v2	D-600					0.05			
5/1/09	6/1/09	pH - Background - 7-D071 (CRS) v2	7-D071		8.11	8.11					
5/1/09	6/1/09	pH - Background - 7-D072 (CRS) v2	7-D072		8.11	8.11					
5/1/09	6/1/09	pH - Effluent - P-D071 (CRS) v2	P-D071		8.14	8.14					
5/1/09	6/1/09	pH - Effluent - P-D072 (CRS) v2	P-D072		8.17	8.17					
5/1/09	6/1/09	pH - Ex of Calc Limit - R-D071 (CRS) v2	R-D071		1	-0.36					
5/1/09	6/1/09	pH - Ex of Calc Limit - R-D072 (CRS) v2	R-D072		1.1	-0.33					
5/1/09	6/1/09	pH -Calc Limit - Q-D071 (CRS) v2	Q-D071		7.11	8.5					
5/1/09	6/1/09	pH -Calc Limit - Q-D072 (CRS) v2	Q-D072		7.11	8.5					
5/1/09	6/1/09	Resid Ox - Dis Time - D071 (CRS) v2	D071			0					
5/1/09	6/1/09	Resid Ox - Dis Time - D072 (CRS) v2	D072			0					
5/1/09	6/1/09	Resid Ox - Dis Time P-D011 (CRS) v2	P-D011			0					
5/1/09	6/1/09	Resid Ox - Dis Time P-D012 (CRS) v2	P-D012			0					
5/1/09	6/1/09	Temp Rise - D011 (CRS) v2	D011	12.6		14.7					
5/1/09	6/1/09	Temp Rise - D012 (CRS) v2	D012	12.6		14.7					
5/1/09	6/1/09	Temp-Discharge - D011 (CRS) v2	D011	91.7		95.6					

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Permit No. FL00000159

Begin date	End Date	PARAMETER_NAME	Outall	C-Avg	C-Min	C-Max	Q-Avg	Q-Max	NODI-Avg	NODI-Max	NODI-Min
5/1/09	6/1/09	Temp-Discharge - D012 (CRS) v2	D012	91.7		95.6					
5/1/09	6/1/09	Temp-Intake - D011 (CRS) v2	D011	79.3		85.1					
5/1/09	6/1/09	Temp-Intake - D012 (CRS) v2	D012	79.3		85.1					
5/1/09	6/1/09	Total Recoverable Iron D-600 (CRS) v2	D-600			5600					
5/1/09	6/1/09	Total Residual Ox 1-D011 (CRS) v2	1-D011						MNR	MNR	
5/1/09	6/1/09	Total Residual Ox 1-D012 (CRS) v2	1-D012						MNR	MNR	
5/1/09	6/1/09	Total Residual Ox 1-D071 (CRS) v2	1-D071						MNR	MNR	
5/1/09	6/1/09	Total Residual Ox 1-D072 (CRS) v2	1-D072						MNR	MNR	

Hydrology

H-6

1. **Crystal River Incident Log Sheet**

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:
Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)
In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:
STATE WARNING POINT TOLL FREE NUMBER
1-800-320-0519
EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.
   7/13/2007; ~ 05:00 A.M.; Ceased at ~ 06:00
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   ~ 6,000 gals; Treated Drinking Water with a residual chlorine level of 2.5 ppm
4. Location of incident.
   Pall Microfiltration (MF) Unit; Crystal River South, south side of water treatment building.
5. Source and cause.
   Pall MF Unit – Storage Tank overflow. MF system tripped, water from the site potable water storage tank back-flowed into the MF storage tank. The MF storage tank has an overflow pipe that discharges to the ground.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   The overflow pipe will be piped to the lab sump to prevent discharge to ground (Note: this was already planned.)
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Water released onto the asphalt roadway. Water flow east to the storm drain, and west to the Unit 1 intake area. Flowed into site intake canal at both locations.

   To be completed by Site Environmental Personnel:
8. Name, Date/Time of EHSS person contacted.
   Doug Yowell, 7/13/2007, 08:30 (verbal); 10:00 (written)
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).
   Doug Yowell called Nita Ostermann, FDEP SW Dist. Office @ 10:45 AM on 7/13/07

Agency Contacted:

FDEP State Warning Point:
1-800-320-0519

Report/Log No: 4597
Operator Name: ID 417
Date/Time Called In: 10:55 AM on 7/13/07

National Response Center:
1-800-424-8802

Report/Log No: ____________
Operator Name: ____________
Date/Time Called In: ____________

Crystal River Incident Log Sheet

Progress Energy

Larry Hatcher
Plant Manager
Crystal River Fossil Plant

June 25, 2009

Ms. Ilia Balcom
Manager, Industrial Wastewater Compliance
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926

Dear Ms. Balcom:

Re: Progress Energy Florida, Inc. Crystal River Units 1, 2, & 3 Upset
Thermal Limit Excursion Follow Up Notification – NPDES Permit No. FL0000159

Per General Condition 20 of the subject permit, the following information is being provided in response to an incident that was called in to Mr. James Womble, FDEP, by Mr. Doug Yowell, Progress Energy Florida, Inc. (PEF) on June 21, 2009. Please note that this event resulted in an upset condition with a subsequent exceedence of permitted thermal limits.

Event description

On Sunday, June 21, 2009, at approximately 3:00 PM, the POD discharge temperature for Crystal River Units 1, 2, & 3 exceeded the NPDES permit 3-hr rolling average (3-hr RA) temperature limit of 96.5 °F. The measured temperature continued above this limit for approximately 120 minutes until 5:00 PM, at which time the 3-hr RA fell below the 96.5 °F limit. Maximum 3-hr RA temperature measured during this time was 96.7 °F.

At approximately 1:00 PM, Unit 1 load was at 389 MW and Unit 2 was at 466 MW. Inlet temperature was 88.9 °F while the POD 3-hr RA temperature was 95.9 °F. High tide was recorded at approximately 1:20 PM.

To maintain compliance with the POD temperature limit, load reductions in both Units 1 & 2 began shortly after 1:00 PM. By 1:40 PM, load was reduced to 324 MW from U-1 and 335 MW from U-2. The POD temperature at this time was still at 95.91 °F. By approximately 2:00 PM, Unit 1 had been further derated to 219 MW. Unit 2 was maintained at approximately 339 MW. At this time, it was noted that the POD temperature had increased to 96.1 °F, and that no significant changes to the intake temperature had occurred (i.e. still approximately 88.9 °F).

Progress Energy Florida, Inc.
15760 W. Powerline Street
Crystal River, FL 34428

Beginning approximately 2:30 PM, it was noted that the intake temperature began to rise, corresponding with the outgoing tide. Load reductions continued such that by 3:00 PM, U-1 had been reduced to 123 MW and U-2 to 153 MW. Intake temperatures were approximately 89.3 °F. It was at this time that the 3-hr RA was first observed to go over the limit. The 3-hr RA temperature at approximately 3:00 PM was 96.56 °F. Intake temperatures continued to rise and peaked at 89.5 °F at around 4:40 PM.

At the time of the event ambient conditions were extreme and had been for several days prior to the event as evidenced by several heat advisories posted by the National Weather Service. The tide had been incoming since 8:00 AM. A review of tidal information the following day revealed unusually high and low tides during June 21. After the tide started going out at approximately 1:20 PM, the instantaneous discharge canal temperature started increasing at a high rate . Furthermore, exceptional heat and corresponding high wet bulb temperatures (i.e. high humidity levels) served to lower the efficiency of the helper and modular cooling towers, all of which were in operation during this time.

In the days since this event, both Units 1 and 2 have been significantly derated during a majority of the time to ensure compliance with the POD temperature limits contained in the NPDES permit. However, given that we have experienced these extreme conditions this early in the season, our concern is that as we proceed on into the summer, that extreme ambient conditions may again occur, particularly at a time when load reductions may not be feasible due to electrical grid stability issues. We will keep the Department informed as far in advance as possible should such a scenario appear imminent.

If you have any questions regarding this event, please contact Mr. Doug Yowell at (727) 820-5228.

Sincerely,

Larry E. Hatcher

Larry Hatcher
Fossil Plant Manager

Certified

Bcc: Jim Holt, NA2C
Rob Odom, CN77
Dan Kemp, PEB17B2
Paul Lewis, Jr., TL68
Brenda Brickhouse, PEB903
Tom Lawery, PEF134
Nick Maltese, CN77
Erika Tuchbaum-Biro, CN77
Patty West, PEF903
Glenn Dooley, EC37
Frieda Frando, NA1B
Brandon Barr, PA3A

Certified Mail: 7008 1300 0002 2610 5270

Crystal River Unit 3 Incident Log Sheet

Note: This form to be completed for all oil, chemical or waste water spills/leaks. Report all such incidents to:

Brandon Barr 352-464-7403

In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Brandon Barr
2. Date, time and status (ongoing or ceased) of spill.
   6/02/2009 3:00 pm buried pipe leak discovered. The system that the pipe belongs to was unknown at this point. 6/03/2009 approximately 2:30 pm buried pipe leak was repaired and confirmed to be a sanitary sewer line.
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   Approximately 3 ft^2 of paved surface was covered with sanitary waste water from a pipe leading from a sump that is part of the collection system for CRS Domestic WWTP, FLA0118753. Since it is not known how long the pipe had been leaking, an actual volume of waste water leakage is difficult to estimate. Conservatively, 1 yd^3 of dirt was wetted with the fluid that leaked from the pipe. Assuming a porosity of 0.3, we can conclude that about 20 gallons of waste water was needed to fully saturate this amount of dirt (the dirt was not fully saturated). The breach through the paved surface may have resulted in some evaporation, making the leakage amount slightly greater than 20 gallons. Overall, <25 gallons of sanitary waste water is expected to have leaked from the pipe.
4. Location of incident.
   North of warehouses under paved road, but south of the Site Access Road.
5. Source and cause.
   Approximately a 1 ½ inch diameter PVC pipe that leads from a sump for CR3 warehouses had a ½ diameter hole with about a 4 inch long crack propagating from the hole. The pipe failure is expected to be from the combination of old pipe, PVC material used instead of HDPE or other material less brittle than PVC, the shallow depth of the pipe (the pipe is buried about 2 ft deep), and the use of heavy equipment in the area.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   Spill was onto paved surface. The area had lime applied around the edges, and then sandbags were placed around the area in case more leakage occurred during the excavation. A contractor was called onsite to repair the pipe. The sump was pumped before work began to ensure that no waste water would be flowing through the line while work was being done. The dirt around the pipe break was excavated and placed on plastic to prevent contamination of other surfaces. After the pipe was repaired, lime was spread over the exposed area. Then the excavated dirt was treated with lime as it was backfilled into the area where it was removed from.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Paved surface approximately 3 ft^2.

To be completed by Site Environmental Personnel:

8. Name, Date/Time of EHSS person contacted.
   Doug Yowell 6/3/2009 4:26 pm
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

   Doug Yowell reported spill to Jamie Lewis FDEP Southwest District @ 4:47 pm on 6/3/2009.

Crystal River Unit 3 Incident Log Sheet

Agency Contacted:

FDEP State Warning Point:	**Report/Log No:** N/A
1-800-320-0519	**Operator Name:**
	Date/Time Called In:
National Response Center:	**Report/Log No:** N/A
1-800-424-8802	**Operator Name:**
	Date/Time Called In:

CR3 Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. *If necessary, use back of form for additional comments*

In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

1. **Name of person(s) responding to incident and completing this form.**
   Carolyn Johnson, Senior Environmental Specialist – CR3/Michael Shrader, Lead Environmental Specialist - PEF
2. **Date, time and status (ongoing or ceased) of spill.**
   9-21-2007 19:00 hours Ceased
3. **Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).**
   An overflow of Instrument Air Heater IAHE-6B was noticed trickling to a storm drain. The drain was immediately covered and the water was redirected until it could be contained. The apparent cause was a stuck valve where the domestic water was entering the system. This allowed IAHE-6B to overflow less than 5 gallons of treated water into the nearby storm drain. This water was treated with small amounts of Spectrus NX 1100, Spectrus NX 1103, Dianodic 2140 and Foamtrol AF1440 and the MSDSs are attached below.
4. **Location of incident.**
   CR3 on the berm within the fenced area.
5. **Source and cause.**
   The excess water being added was caused by a stuck valve; therefore, allowing more water than normal to enter IAHE-6B, overflowing, and diluting the existing concentration of chemicals in the treated water. It is expected that due to the length of piping this overflow would have been spread across the surface area and may have evaporated. However, the rain from the day following this overflow may have carried a small portion of this treated water to the discharge canal.
6. **Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).**
   The drain was immediately covered and the water was redirected until it could be contained.
7. **Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).**
   Less than 5 gallons entered the storm drain. It is not certain that any reached the discharge canal.

   To be completed by Site Environmental Personnel:
8. **Name, Date/Time of EHSS person contacted.**
   Mike Shrader was contacted on 9/21/2007 at 2030.
9. **If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).**
   Mike Shrader determined that the spill would be reportable upon verification that spill may have reached the discharge canal due to a subsequent rainfall event. Notification made to Ilia Balcom IWW Compliance Section, SW District, FDEP at 0900 on September 25, 2007.

Agency Contacted:

FDEP State Warning Point:

1-800-320-0519

Report/Log No: N/A – Spill was < 1,000 gal.

Operator Name: ______________________

Date/Time Called In: ______________________

CR3 Incident Log Sheet

National Response Center:

1-800-424-8802

Report/Log No: ______________________________

Operator Name: ______________________________

Date/Time Called In: ______________________________

NX-1100.pdf (487 KB)

NX-1103.pdf (193 KB)

Dianodic 2140.pdf (200 KB)

AF 1440.pdf (133 KB)

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical or waste water spills/leaks. Report all such incidents to:
Erika Tuchbaum-Biro (464-7909) or Cyndy Wilkinson (464-7739)
In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:
STATE WARNING POINT TOLL FREE NUMBER
1-800-320-0519
EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Erika Tuchbaum-Biro
2. Date, time and status (ongoing or ceased) of spill.
   4/16/2009 10:10 am. Leak ceased.
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   <50 gallons of treated domestic waste water clear well effluent.
4. Location of incident.
   South domestic wastewater plant.
5. Source and cause.
   A pump motor was being changed out and the associated valve was not completely closed. When the second associated pump turned on the clear well effluent spilled over to the piping where the valve was not completely closed.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   Spill was onto graveled area and no pool of fluid accumulated.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Graveled area approximately 2 feet by 3 feet was wet when the leak was discovered.
   To be completed by Site Environmental Personnel:
8. Name, Date/Time of EHSS person contacted.
   Doug Yowell 4/16/2009 12:00pm
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

   Doug Yowell reported spill to SW DEP.

Agency Contacted:

FDEP State Warning Point: **Report/Log No:** ____________________
1-800-320-0519 **Operator Name:** ____________________
Date/Time Called In: ____________________

National Response Center: **Report/Log No:** ____________________
1-800-424-8802 **Operator Name:** ____________________
Date/Time Called In: ____________________

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:
Cathie Loudenslager (464-7909) or Cyndy Wilkinson (464-7739)
In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:
STATE WARNING POINT TOLL FREE NUMBER
1-800-320-0519
EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Nick Maltese coordinating a response, Cathie Loudenslager completing the form.
2. Date, time and status (ongoing or ceased) of spill.

   02-27-08 1530 the Crystal River South front office sewer line to the lift station backed up into the front office and some leakage occurred to the environmental in the area of the cleanout. A small amount is still leaking from the cleanout cap.

3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   Approximately 10-15 gallons of domestic waste water were spilled in a grassy area next to the road.

4. Location of incident:
   Crystal River south plant, north of and adjacent to the front office around the line cleanout for the sewer line going to the lift station.

5. Source and cause:
   Unknown at this time, suspect plug in the line.

6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   The spill is being responded to by responder's and contractors. Any soil impact will be treated with lime.

7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Grassy/ dirt area about 5' x 7'.

To be completed by Site Environmental Personnel:

8. Name, Date/Time of EHSS person contacted.
   Pat Garner 02-27-08 1540

9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

Agency Contacted:

FDEP State Warning Point: **Report/Log No:** ______________________
1-800-320-0519 **Operator Name:** ______________________
Date/Time Called In: ______________________

National Response Center: **Report/Log No:** ______________________
1-800-424-8802 **Operator Name:** ______________________

L:\Environmental & Rad Control\License Renewal Needs List\H-7 Domestic Wastewater spill Unit 1 and 2 February 2008.doc

Crystal River Incident Log Sheet

Date/Time Called In: ______________________________

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical or waste water spills/leaks. Report all such incidents to:
Erika Tuchbaum-Biro (464-7909) or Cyndy Wilkinson (464-7739)
In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:
STATE WARNING POINT TOLL FREE NUMBER
1-800-320-0519
EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Erika Tuchbaum-Biro
2. Date, time and status (ongoing or ceased) of spill.
   04/01/2009 08:15pm. Leak ceased.
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   <100 gallons of hydraulic fluid.
4. Location of incident.
   South Coal Yard.
5. Source and cause.
   Failure of accumulator on the E-Crane. Located on the counterweight cylinder.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   Emergency response was notified and laborers deployed with oil spill clean-up materials.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Hydraulic fluid spilled onto coal which was scooped and placed onto active coal pile.
   To be completed by Site Environmental Personnel:
8. Name, Date/Time of EHSS person contacted.
   Bob Stafford 727-820-5538
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

   No reporting was required due to no impact on navigable waters.

Agency Contacted:

FDEP State Warning Point:	**Report/Log No:**	______________
1-800-320-0519	**Operator Name:**	______________
	Date/Time Called In:	______________
National Response Center:	**Report/Log No:**	______________
1-800-424-8802	**Operator Name:**	______________
	Date/Time Called In:	______________

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:

Erika Tuchbaum-Biro (464-7909) or Cyndy Wilkinson (464-7739)

In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.

   Erika Tuchbaum-Biro

2. Date, time and status (ongoing or ceased) of spill.

   Release identified: 10:30 AM 8/18/2008

3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).

   Discharged approximately 2 gallons of hydraulic oil from an oil/water separator that had overflowed and was immediately contained in the area of the spill. After a rain event the residual oil that was in the storm drain (approximately 300 feet long) approximately 2-3 ounces entered the Crystal River Energy Complex discharge canal during the containment process.

4. Location of incident.

   West end of Crystal River Helper Cooling Towers

5. Source and cause.

   Hydraulic oil from an oil/water separator that had overflowed.

6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).

   Oil that came out of the separator went into the storm drain which first goes to a retention pond with a weir where the majority or the oil was recovered. An oil collection boom system was placed both in the retention pond around the weir leading to the discharge canal and around the point of discharge into the canal where any visible sheen was cleaned up.

7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).

   Discharge canal was impacted in a small area along the northern edge of the canal just west of the helper cooling towers. The area within the spill boomed is estimated to be a 10 foot x 15 square foot area of water.

   To be completed by Site Environmental Personnel:

8. Name, Date/Time of EHSS person contacted.

   Bob Stafford, 8/18/2008 5:30 p.m.

9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

   Bob Stafford notified NRC, EPA Region IV, FDEP, Coast Guard

Agency Contacted:

FDEP State Warning Point:	**Report/Log No:**	**6504**
1-800-320-0519	**Operator Name:**	**#416**
	Date/Time Called In:	**8/18/2008 6:40**
National Response Center:	**Report/Log No:**	**881036**
1-800-424-8802	**Operator Name:**	**Mr. Hollowood**

Crystal River Incident Log Sheet

Date/Time Called In: 8/18/2008 5:30pm

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:

Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.

   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.

   3/20/07; 15:00; System Out of Service, being tagged out for repair. Work is being planned, and pipe should be repaired this evening, so system can be placed back into service.
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).

   200 to 500 gallons Industrial Waste Water from CR South
4. Location of incident.

   15 feet downstream where IWW line exits the pipe trench and heads up the hill to the percolation ponds.
5. Source and cause.

   This is a 10 inch diameter fiberglass pipe which is leaking at a flange joint.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).

   Leaking waste water is soaking into the ground and/or draining back into the pipe trench. (Note: the pipe trench ties back into Sump No. 10 which would then pump back into this same line.)
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).

   Approximate 10 to 15 feet by 2 feet wide area of lime rock soil.

   To be completed by Site Environmental Personnel:
8. Name, Date/Time of EHSS person contacted.

   Doug Yowell, EHSS, 3/20/07, approximately 15:15.
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

Agency Contacted:

FDEP State Warning Point:	**Report/Log No:**	____________
1-800-320-0519	**Operator Name:**	____________
	Date/Time Called In:	____________
National Response Center:	**Report/Log No:**	____________
1-800-424-8802	**Operator Name:**	____________
	Date/Time Called In:	____________

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:

Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)

In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.

   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.

   8/1/2007 10:00; ceased
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).

   650 gallons of neutralized industrial waste waster
4. Location of incident.

   CRS IWW line; underground line location: south of Unit 1 stack
5. Source and cause.

   Neutralized industrial waste water from the waste neutralization system (pH tested at 7). Contractor digging trench for conduit replacement. IWW pipe was already exposed but backhoe operator accidentally hit line and punctured it.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).

   Water lab was immediately notified and they shut down the tank pumps. Majority of waste water soaked into dirt inside trench, some water ran on to asphalt road and nearby rocked area. No water entered the intake canal.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).

   Waste water was retained primarily in the trench (2 ft wide by 20 ft long); or immediately around the trench.

   To be completed by Site Environmental Personnel:
8. Name, Date/Time of EHSS person contacted.

   Doug Yowell, 8/1/2007; 11:30 AM.
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

   Doug Yowell contacted Nita Ostermann, FDEP SW Dist. office at 2:12 PM on 8/1/07

Agency Contacted:

FDEP State Warning Point: **Report/Log No:** ______________________
1-800-320-0519 **Operator Name:** ______________________
Date/Time Called In: ______________________

National Response Center: **Report/Log No:** ______________________
1-800-424-8802 **Operator Name:** ______________________
Date/Time Called In: ______________________

Crystal River Incident Log Sheet

Crystal River South – Units 1&2
Revised Spill Incident Log Sheet
February 26, 2008
Permit No. FL0000159

1. Name of person(s) responding to incident and completing this form.
   Joe Bocek, Lab Tech, Crystal River Units 1&2, Responder
   Catherine Loudenslager, Environmental Specialist, Crystal River Units 1&2, Completer of form

2. Date, time and status (ongoing or ceased) of spill.
   Spill was discovered on February 17, 2008, at 3:15 PM, Status is ongoing

3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   Released treated industrial waste water from low conductivity tank, of neutral pH at Crystal River Units 1&2. The location of release was upstream of the tank. The water is normally discharged into the percolation pond. Spilled quantity is estimated to approximately 100 gallons.

4. Location of incident.
   Industrial waste water line rupture is located on the south side of the CR 1&2 tank area on south side of laboratory and north side of the intake canal. Water was contained – no impact to surface water occurred during this event.

5. Source and cause.
   The cause of the event is believed to be failure of a previous repair on the underground waste water line.

6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   Water that pooled in the area was recovered via a super-sucker truck and transported to the percolation pond for proper disposal. The water line only leaks a small amount when the pump is operated. The line was rewrapped and repaired on 2/19/08. The repaired location was monitored to ensure no further leakage. On February 25, it was discovered that the repair failed. Therefore, a 40 to 50 foot section of the piping will be replaced and the work completed by February 27, 2008.

7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   The released industrial waste water did not impact surface water during the event. The water pooled in a grass/gravel area to the north of the canal. Area was excavated and sandbagged to ensure no water will be released to any surface water.

<u>To be completed by Site Environmental Personnel:</u>

8. Name, Date/Time of EHSS person contacted.
   Patricia A. Garner was contacted on 2/18/08 at 1430 hrs.

9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).
   - **Patricia A. Garner, EHSS Sr. Environmental Specialist, reported incident to Mr. James Womble, FDEP-SW District Office, on February 18, 2008 at 3:23 p.m.**
   - **Mr. James Womble, FDEP-SW District Office, was notified of this new development.**

This log serves as written notification and was originally forwarded to Mr. Womble on February 22, 2008. This revised log was forwarded to Mr. Womble on February 26, 2008.

This incident did not require notification to any other agency.

Crystal River South – Units 1&2
Revised Spill Incident Log Sheet
February 26, 2008
Permit No. FL0000159

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:

Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)

In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.

   Ron Johnson

2. Date, time and status (ongoing or ceased) of spill.

   11/9/07 15:15 to 11/9/07 15:45; now ceased

3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).

   Estimated 25 gpm x 30 minutes = 750 gallons, service water from CRN.

4. Location of incident.

   Air release valve on the service water transfer line between CRN and CRS, located at the north end of the pipe bridge across the discharge canal.

5. Source and cause.

   CRN was in the process of transferring service water to CRS to support Unit 1 startup. Spray was noticed by nuclear security and reported at 15:15. CRN transfer pumps were shut down and the line isolated at 15:40. Additional spray (pressure release) occurred for about 5 minutes. A hole was found in a flange at an air release valve on the pipe at the leak. Sample collected and analyzed for free residual chlorine (0.8 ppm) and pH (9.9). These values are consistent with normal CRN treated water. WR will be initiated to repair the flange.

6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).

   Water sprayed directly into the discharge canal. No way to prevent discharge.

7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).

   Treated water released into the discharge canal. No adverse environmental or biological impact was seen.

   To be completed by Site Environmental Personnel:

8. Name, Date/Time of EHSS person contacted.

   Doug Yowell, 11/9/07, 16:00, by telephone.

9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

Agency Contacted:

FDEP State Warning Point: **Report/Log No:** ____________________
1-800-320-0519 **Operator Name:** ____________________
Date/Time Called In: ____________________

Crystal River Incident Log Sheet

National Response Center:
1-800-424-8802

Report/Log No: ______________________

Operator Name: ______________________

Date/Time Called In: ______________________

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report <u>all</u> such incidents to:

Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)

In addition all spills <u>in excess of 1000 gallons</u> must be reported <u>*within 24 hours of becoming aware of the spill*</u> to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and/or completing this form.

   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.

   7/22/07; @ approx. 11:00 AM; Ceased (Tech nearby able to immediately secure)
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).

   Approx. 300 - 500 gallons; neutral pH industrial waste water.
4. Location of incident.

   CRS Low Conductivity Tank
5. Source and cause.

   Overflow of low conductivity industrial waste water tank; tank level indicator failure.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).

   Manually started tank pumps to lower tank level.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).

   Ground area around tank; tank sits inside a berm. All waste water contained inside of berm. pH of water was 7.2

   <u>To be completed by Site Environmental Personnel:</u>
8. Name, Date/Time of EHSS person contacted.

   Doug Yowell, 7/23/07. 08:30 AM
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

   Doug Yowell called Nita Ostermann, FDEP @ 10:50 AM on July 23, 2007

<u>Agency Contacted:</u>

FDEP State Warning Point:	**Report/Log No:**	N/A
1-800-320-0519	**Operator Name:**	
	Date/Time Called In:	
National Response Center:	**Report/Log No:**	N/A
1-800-424-8802	**Operator Name:**	
	Date/Time Called In:	

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:

Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)

In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.
   7/18/07 – Time unknown for sure, probably at about 3 AM; now ceased (ceased at 6:30 AM)
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   Low Conductivity Plant Waste Water; 5,000 gallon estimate (Max) consisting of moderate pH industrial wastewater.
4. Location of incident.
   CRS, Low Conductivity Waste Water Tank
5. Source and cause.
   Low Conductivity Waste Water Tank; failed tank level indicator
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   Tank sits inside a dirt berm; most of the overflow was contained within the berm and allowed to soak in. (Note: Pumps were turned on manually, maintenance will repair the level indicator as soon as water soaks in to the ground.) Water still in the berm was tested for pH on Wednesday 7/18/07 and found to be pH = 8.1.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Mostly contained within a dirt berm. Less than 1,000 gallons spilled into the intake canal.

To be completed by Site Environmental Personnel:

8. Name, Date/Time of EHSS person contacted.
   Doug Yowell, 7/18/2007, 07:50
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).
   Doug Yowell called Nita Ostermann, FDEP SW District Office on 7/18/07 @ approx. 3:00 PM

Agency Contacted:

FDEP State Warning Point:	**Report/Log No:**	**4818**
1-800-320-0519	**Operator Name:**	**ID 415**
	Date/Time Called In:	**7/19/07 @ 7:00 AM by D. Yowell**
National Response Center:	**Report/Log No:**	
1-800-424-8802	**Operator Name:**	
	Date/Time Called In:	

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report <u>all</u> such incidents to:

Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)

In addition all spills <u>in excess of 1000 gallons</u> must be reported <u>*within 24 hours of becoming aware of the spill*</u> to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.

   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.

   6/1/2007 – 10:15 PM; now ceased
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).

   Low Conductivity Plant Waste Water; 2,100 gallon estimate (140 gpm x 15 min) consisting largely of demineralized (ultra-pure) water from R.O. flushing activity.
4. Location of incident.

   CRS, Low Conductivity Waste Water Tank
5. Source and cause.

   Low Conductivity Waste Water Tank; failed tank level indicator
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).

   Tank sits inside a dirt berm; all the overflow was contained within the berm and allowed to soak in. (Note: Pumps were turned on manually, mechanics responded and repaired level indicator by 2:30 AM on 6/2/07.) Water still in the berm was tested for pH on Saturday 6/2/07 and found to be pH = 7.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).

   Contained within a pervious dirt berm. No water spilled into the intake canal.

   <u>To be completed by Site Environmental Personnel:</u>
8. Name, Date/Time of EHSS person contacted.

   Doug Yowell, 6/4/2007, 07:20
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

   Doug Yowell called Nita Ostermann of the FDEP @ 7:45 AM on June 4, 2007, and State Warning Point per below.

<u>Agency Contacted:</u>

FDEP State Warning Point:	**Report/Log No:**	*3486*
1-800-320-0519	**Operator Name:**	*ID 410*
	Date/Time Called In:	*June 4, 2007 @ 9:05 AM* (called in by Doug Yowell)
National Response Center:	**Report/Log No:**	
1-800-424-8802	**Operator Name:**	
	Date/Time Called In:	

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report <u>all</u> such incidents to:

Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)

In addition all spills <u>in excess of 1000 gallons</u> must be reported *<u>within 24 hours of becoming aware of the spill</u>* to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.

   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.

   11/06/07 06:00 ceased.
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).

   Approximately 5,000 gallons of untreated (neutral pH) industrial waste water from the Low Conductivity Tank. Approximately 100 gallons of this made it into the intake canal.
4. Location of incident.

   CRS, Low Conductivity Tank
5. Source and cause.

   Tank level indication became stuck which allowed the tank to fill up and overflow. Normally, tank level indication is used to turn pumps on and off automatically. Unknown why it became stuck, but it has been a problem in the past due to lime buildup. Possibly related to the well water line flushing that has occurred due to the well line breaks on 11/3/07 and 11/5/07.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).

   Pumps turned on and placed in manual. WR written to fix level indication.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).

   Tank is surrounded by a dirt berm which held most of the water. Some of the water seeped past the area where the berm comes into contact with the CR3 stainless steel tank. This amount is estimated at about 100 gallons and it flowed into the intake canal at the CRS water front. Water was tested with Litmus Paper at pH =7.

   <u>To be completed by Site Environmental Personnel:</u>
8. Name, Date/Time of EHSS person contacted.

   Doug Yowell, 11/6/07, 09:30 by phone message and email.
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

   Doug Yowell notified Ilia Balcom, FDEP SW District Office @ 10:35 AM on 11/6/07

<u>Agency Contacted:</u>

FDEP State Warning Point:
1-800-320-0519

Report/Log No: 7564
Operator Name: Operator No. 417
Date/Time Called In: 11/06/2007 @ 10:45 AM
Called In By: Doug Yowell

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report <u>all</u> such incidents to:

Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)

In addition all spills <u>in excess of 1000 gallons</u> must be reported <u>*within 24 hours of becoming aware of the spill*</u> to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.

   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.

   6/27/07 8 P.M.; ceased
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).

   25 to 50 gallons, final treated sewage plant effluent (chlorinated).
4. Location of incident.

   CRS Sewage Treatment Plant – Permit No. FLA118753
5. Source and cause.

   Failure at coupling on PVC line, after discharge pump, to the waste neutralization tank.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).

   Pump was shut down, PVC pipe was re-glued and re-seated into the coupling. Leak stopped.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).

   Small area on ground beneath pump.

<u>To be completed by Site Environmental Personnel:</u>

8. Name, Date/Time of EHSS person contacted.

   Doug Yowell, 6/28/07, 08:30
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., FDEP, State Warning Point, National Response Center).

   Doug Yowell notified Vicki Wheeler of FDEP on 6/29/07 @ 1:50 PM.

<u>Agency Contacted:</u>

FDEP State Warning Point:	**Report/Log No:**	**NA – Spill was less than 1000 gal.**
1-800-320-0519	**Operator Name:**	
	Date/Time Called In:	
National Response Center:	**Report/Log No:**	
1-800-424-8802	**Operator Name:**	
	Date/Time Called In:	

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical or waste water spills/leaks. Report all such incidents to:
Erika Tuchbaum-Biro (464-7909) or Cyndy Wilkinson (464-7739)
In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:
STATE WARNING POINT TOLL FREE NUMBER
1-800-320-0519
EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Erika Tuchbaum-Biro
2. Date, time and status (ongoing or ceased) of spill.
   Reported by the lab at 08:30 4/27/2009. Leak has been diverted to sump which leads to percolation ponds.
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   <25 gallons of low conductivity neutralization waste water with a ph of 7.75.
4. Location of incident.
   Just north of the intake canal behind the waste neutralization tank at the south plant.
5. Source and cause.
   Rubber boot on fiberglass piping started leaking.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   Spill was contained and a work order for the leak to be fixed was issued.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Gravel area of approximately 2feet by 1foot had been wetted.
   To be completed by Site Environmental Personnel:
8. Name, Date/Time of EHSS person contacted.
   Doug Yowell 4/27/2009 2:30pm
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center). **Doug Yowell called James Womble, FDEP @ 2:40 pm on April 27, 2009 and gave a verbal report.**

Agency Contacted:

FDEP State Warning Point:
1-800-320-0519

Report/Log No: N/A spill was < 1000 gallons
Operator Name: ______
Date/Time Called In: ______

National Response Center:
1-800-424-8802

Report/Log No: N/A
Operator Name: ______
Date/Time Called In: ______

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report <u>all</u> such incidents to:
Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)
In addition all spills <u>in excess of 1000 gallons</u> must be reported <u>*within 24 hours of becoming aware of the spill*</u> to the following:
STATE WARNING POINT TOLL FREE NUMBER
1-800-320-0519
EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.
   11/5/2007 approx. 9 PM to 11/5/2007 approx. 11 PM; ceased
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   48,000 gals (2 hrs x 400 gpm x 60 m/hr); Untreated well water.
4. Location of incident.
   CRS North Well Line, along the plant access road near the site Administration Building.
5. Source and cause.
   Break in the 8 inch transite water pipe, probably caused by the high pressure surges associated with the new Pall Microfiltration System.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   Line isolated.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Untreated water released onto the road surface and adjacent storm ditch.

<u>To be completed by Site Environmental Personnel:</u>

8. Name, Date/Time of EHSS person contacted.
   Doug Yowell, 11/06/07, 09:30 by phone message and email.
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

<u>Agency Contacted:</u>

FDEP State Warning Point:
1-800-320-0519

Report/Log No: ______________________
Operator Name: ______________________
Date/Time Called In: ______________________

National Response Center:
1-800-424-8802

Report/Log No: ______________________
Operator Name: ______________________
Date/Time Called In: ______________________

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:
Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)
In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:
STATE WARNING POINT TOLL FREE NUMBER
1-800-320-0519
EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.
   9/25/2007; Evening (10:30 PM); ceased (at 12:00 midnight on 9/25/2007)
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   1.5 hours x 250 gpm = 22,500 gallons.
4. Location of incident.
   Near the rail road spur going to CRN, CRS well line located along the south side of the road, next to the wetland area.
5. Source and cause.
   Untreated production well water. A leak had developed at joint on this line, and had been repaired earlier this same day. A few hours later the repair failed. The line is now out of service pending new repair.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   Line take out of service. Contractor (Paverite) to re-repair the line.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Untreated well water released to road surface (and thence to the storm drainage ditch along the north side) and into adjacent wetland area.
   To be completed by Site Environmental Personnel:
8. Name, Date/Time of EHSS person contacted.
   Doug Yowell; 9/25/07; 09:30 (telephone message); Pat Garner 9/25/07; 10:10 (by phone)
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).
   9/26/2007 – EHSS Conclusion: Per Mike Shrader and Pat Garner, since this is raw water (untreated), there is no reporting requirement.

Agency Contacted:

FDEP State Warning Point:	**Report/Log No:**	______
1-800-320-0519	**Operator Name:**	______
	Date/Time Called In:	______
National Response Center:	**Report/Log No:**	______
1-800-424-8802	**Operator Name:**	______
	Date/Time Called In:	______

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:
Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)
In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:
STATE WARNING POINT TOLL FREE NUMBER
1-800-320-0519
EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.
   9/27/2007; 05:15; ceased at 07:15 on 9/27/2007)
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   2 hours x 750 gpm = 90,000 gallons.
4. Location of incident.
   Just East of the entrance to the Site Access Control Point (ACP) next to the 25 MPH speed limit sign, north side of the access road.
5. Source and cause.
   Untreated production well water. Line blew out. Investigation revealed that the speed limit sign placement probably caused a buried rock to be pushed against the existing transite pipe. This appears to have created a weak point that caused the blow out. The sign was put in circa 2002-2003 at the time of construction of the ACP.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   Line take out of service. Contractor (Paverite) to repair the line.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Untreated well water released to ground surface and thence to the storm drainage ditch along the north side of the road.
   To be completed by Site Environmental Personnel:
8. Name, Date/Time of EHSS person contacted.
   Pat Garner 9/27/07; 12:30; via this written report/email.
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).
   9/27/2007 – EHSS Conclusion: Per Mike Shrader and Pat Garner, since this is raw water (untreated), there is no reporting requirement.

Agency Contacted:

FDEP State Warning Point:	**Report/Log No:**	
1-800-320-0519	**Operator Name:**	
	Date/Time Called In:	
National Response Center:	**Report/Log No:**	
1-800-424-8802	**Operator Name:**	
	Date/Time Called In:	

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report <u>all</u> such incidents to:
Erika Tuchbaum/Biro (464-7909) or Cyndy Wilkinson (464-7739)
In addition all spills <u>in excess of 1000 gallons</u> must be reported <u>*within 24 hours of becoming aware of the spill*</u> to the following:
STATE WARNING POINT TOLL FREE NUMBER
1-800-320-0519
EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Cathie Loudenslager – prepared form
   Marty Bartough- 7021 – response to incident
2. Date, time and status (ongoing or ceased) of spill.
   Release identified: 3 p.m. on 7/23/08
   Ceased: approximately 9:00 p.m. on 7/23/08.
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   Total release estimated at 1-5 gallons of dripping service water (treated groundwater). Water was from service water lines over the discharge canal that developed leaks. Released water entered a concrete enclosure then flowed to the discharge canal. Most of the water that leaked was contained with very little spilled to the canal (< 5 gal).
4. Location of incident.
   Crystal River Units 1&2 Canal
5. Source and cause.
   Release was caused by leaks that developed in the 1", 4" and 2" service water lines that are near the lime rock conveyor. This allowed approximately 1-5 gallons of service water to enter the canal.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   The spill was contained, isolated, and vacuum trucked out. The lines were immediately repaired.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Approximately 1-5 gallons of service water was released in a leak of service water lines over the canal. Most of the leak was contained in a concrete bermed area, where it was subsequently removed by vacuum truck.

   <u>To be completed by Site Environmental Personnel:</u>
8. Name, Date/Time of EHSS person contacted.
   Doug Yowell, 7/24/08/10:00 AM
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center). **Doug Yowell contacted James Womble, FDEP – SW District, on July 25, 2008, at around 1:30 PM.**

<u>Agency Contacted:</u>

FDEP State Warning Point:	**Report/Log No:** N/A
1-800-320-0519	**Operator Name:**
	Date/Time Called In:

L:\Environmental & Rad Control\License Renewal Needs List\H-7 Water Line Leak Units 1 and 2 Juy 2007.doc

Crystal River Incident Log Sheet

National Response Center:
1-800-424-8802

Report/Log No: N/A
Operator Name: ____________________
Date/Time Called In: ____________________

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:
Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)
In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:
STATE WARNING POINT TOLL FREE NUMBER
1-800-320-0519
EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.
   10/2/2007; 16:30; ceased at 17:30 on 10/1/07
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   1 hour x 400 gpm = 24,000 gallons (estimate)
4. Location of incident.
   Alley behind CRS water lab. Pall surge tank overflow into the alley thence into the canal from both directions. West over the embankment into the canal near the CR 1&2 intake structure, east to the storm drain and out into the canal at the CR3 intake structure. Discharge created a red/brown plume at the point of discharge; however, no effect was seen in the discharge canal. Overflow from tanks normally goes to the CRS chemical sump (via a fire hose) – however, flow was too large and this small hose could not handle it. It appears that a slug of turbid water coming in from the well lines caused the Pall System to trip. Normally this should cause the high level switches in the external surge tanks to shut down the main control valve. This did not happen. The external surge tanks overflowed onto the alley way.
5. Source and cause.
   Untreated production well water. Water was very turbid, red/brown color. Cause under investigation.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   None
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   Untreated well water released to the asphalt alley way and thence to the intake canal water.
   To be completed by Site Environmental Personnel:
8. Name, Date/Time of EHSS person contacted.
   Pat Garner 10/2/07; 17:30; via telephone message; 10/3/07 10:15 via telephone conversation.
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

Agency Contacted:

FDEP State Warning Point:
1-800-320-0519

Report/Log No: ____________________
Operator Name: ____________________
Date/Time Called In: ____________________

National Response Center:
1-800-424-8802

Report/Log No: ____________________
Operator Name: ____________________
Date/Time Called In: ____________________

Crystal River Incident Log Sheet

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:

Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)

In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.
   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.
   9/24/2007; Evening (10:45 PM per MPW data); ceased (at 06:00 on 9/25/2007)
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).
   7.25 hours x 750 pgm = 326,250 gallons.
4. Location of incident.
   Just East of the pop-up security gate after the site ACP checkpoint. CRS well line located along the north side of the road, next to the storm drainage ditch.
5. Source and cause.
   Untreated production well water. Line failure, cause unknown. It was noted that there is an existing repair on the line about 2 feet downstream of the break. It was also noted that PVC conduit (installed within the past year) runs about one foot above the top of the water line. Additionally, there are Jersey barriers sitting on the ground surface directly above the location of the water line.
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).
   Line take out of service. Contractor (Paverite) to repair the line.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).
   The line break caused a "blow out" of dirt and rock into the adjacent storm drain. Estimated quantity of dirt removed be the blow out is approximately 5 cubic yards.

To be completed by Site Environmental Personnel:

8. Name, Date/Time of EHSS person contacted.
   Doug Yowell; 9/25/07; 09:30 (telephone message); Pat Garner 9/25/07; 10:10 (by phone)
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).
   9/25/2007 – EHSS Conclusion: Per Mike Shrader and Pat Garner, since this is raw water (untreated), there is no reporting requirement.

Agency Contacted:

FDEP State Warning Point:	**Report/Log No:**	______
1-800-320-0519	**Operator Name:**	______
	Date/Time Called In:	______
National Response Center:	**Report/Log No:**	______
1-800-424-8802	**Operator Name:**	______
	Date/Time Called In:	______

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:

Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)

In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.

   Ron Johnson
2. Date, time and status (ongoing or ceased) of spill.

   11/3/2007 at 4PM; to 11/3/2007 at 6PM; ceased
3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).

   48,000 gallons; untreated well water
4. Location of incident.

   On the "south" CRS well line, between Unit 1 and Unit 3, approx. 55 feet East of U1 rollup door.
5. Source and cause.

   Production well water (south well line); pipe rupture (8 inch transite pipe)
6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).

   Well line isolated at approx. 6PM. Hole in asphalt excavated line repaired on 11/4/07.
7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).

   Water released onto asphalt parking/road way, thence to stormdrain, thence to discharge canal.

   To be completed by Site Environmental Personnel:
8. Name, Date/Time of EHSS person contacted.
9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

Agency Contacted:

FDEP State Warning Point:	**Report/Log No:**	______________
1-800-320-0519	**Operator Name:**	______________
	Date/Time Called In:	______________
National Response Center:	**Report/Log No:**	______________
1-800-424-8802	**Operator Name:**	______________
	Date/Time Called In:	______________

Crystal River Incident Log Sheet

Note: This form to be completed for all oil, chemical, or waste water spills/leaks. Report all such incidents to:

Ron Johnson (464-7909) or Cyndy Wilkinson (464-7739)

In addition all spills in excess of 1000 gallons must be reported *within 24 hours of becoming aware of the spill* to the following:

STATE WARNING POINT TOLL FREE NUMBER

1-800-320-0519

EHSS personnel will make this phone call on behalf of the facility.

If necessary, use back of form for additional comments

1. Name of person(s) responding to incident and completing this form.

   Ron Johnson

2. Date, time and status (ongoing or ceased) of spill.

   10/10/07; 13:00; ceased (duration was about 12 hours)

3. Estimated amount of discharge and type of product spilled (i.e. oil, fuel, chemicals, domestic/industrial WW – list type).

   1,000 gallons (Estimate); Raw Water from production wells;

4. Location of incident.

   CRS, waste neutralization tank sump, ground area behind the sump.

5. Source and cause.

   MPW pressure relief valve overflow normally is routed to the low conductivity tank. A vestigial valve and piping (that was supposed to have been removed) was opened by the temporary MPW technician. He did not know that this valve and drain line was not supposed to be used. The flow through this line is too large and potentially can cause the waste neutralization tank to fill up and overflow. This tank is a batch neutralization process. It did not overflow during this event, however, the sump receiving the raw water overflow did overflow into the surrounding ground area. No water spilled into the adjacent intake canal.

6. Precautionary measures taken (whether the spill was contained and cleanup actions taken or planned).

   Raw water allowed to soak into ground.

7. Extent of contamination (brief description of area contaminated - include details if spilled on impervious surface or on grass/gravel areas).

   Dirt/soil area surround the waste water tanks, south of the water lab, adjacent to the intake canal.

   To be completed by Site Environmental Personnel:

8. Name, Date/Time of EHSS person contacted.

9. If incident is reportable, list other persons or agencies contacted – include date and time (i.e.County Health Dept., State Warning Point, National Response Center).

Agency Contacted:

FDEP State Warning Point: **Report/Log No:** ____________________

1-800-320-0519 **Operator Name:** ____________________

Date/Time Called In: ____________________

National Response Center: **Report/Log No:** ____________________

Crystal River Incident Log Sheet

1-800-424-8802

Operator Name: ______________________

Date/Time Called In: ______________________

Hydrology

H-8

1. **Groundwater Flow Study Report**

EnHydro, LLC

consulting hydrogeologists and wellfield technology services

Groundwater Flow Study Report

Progress Energy Florida
CR-3 Power Generating Facility
Crystal River Energy Complex
Crystal River, Florida

Produced by:

EnHydro, LLC
334 East Lake Rd.
#173
Palm Harbor, FL 34685-2427
Ph (813) 293-0740
Fax (813) 448-9322

Produced For:

Progress Energy Florida
15760 West Power Line St.
Crystal River Unit 3
MAC PAB3
Crystal River, FL 34428

January 22, 2007

Professional Certification

In accordance with provisions in Chapter 492, Florida Statutes, I hereby certify that I have examined this Groundwater Flow Study Report and attest that it has been reviewed and approved by the undersigned Florida Professional Geologist.

EnHydro, LLC has prepared this report in a manner consistent with sound geologic practices and that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar circumstances. Information provided to EnHydro, LLC by client representatives, agents, and other consultants has been accepted in good faith and is assumed to be accurate.

____

Signature

H. Cliff Harrison, P.G.
Registered Professional Geologist
Registration No. 1926, State of Florida

EnHydro, LLC
Geology Business License GB504, State of Florida

____

Date

EnHydro, LLC

consulting hydrogeologists and wellfield technology services

Groundwater Flow Study Report
Progress Energy Florida
CR-3 Power Generating Facility
Crystal River Energy Complex
Crystal River, Florida

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January 22, 2007

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1.0 INTRODUCTION

1.1 PURPOSE

Progress Energy Florida (PEF) requested that EnHydro, LLC (EnHydro) conduct a detailed groundwater flow study and prepare a groundwater flow map for the area around the CR-3 Power Generating Facility (CR-3) at the Crystal River Energy Complex in Crystal River, Florida. The purpose of the study is to comply with Nuclear Regulatory Comission requirements that all nuclear power generating facilities develop Monitoring, Response, and Reaction Plans to be implemented in the event of a release of radioactive water or other fluids to the groundwater. Previous reports prepared by PEF, including the Groundwater Monitoring Plan – Florida Power Corporation, Crystal River Energy Complex (Dames & Moore – April, 1995) did not incorporate a sufficient density of monitoring wells in the vicinity of CR-3 for development of realistic estimates of groundwater flow direction. Accordingly, PEF authorized EnHydro to install 10 new shallow and three new deep groundwater monitoring wells surrounding CR-3 from which accurate groundwater elevation data could be collected, and to develop a groundwater flow map for the area.

1.2 OBJECTIVES

The primary objective of the Groundwater Flow Study was to generate sufficient data to characterize the groundwater flow in the vicinity of the CR-3 Facility. Specific objectives included:

- Installation of a sufficient number of groundwater monitoring wells to adequately characterize the groundwater flow regime in the vicinity of CR-3;
- Collection of groundwater elevation data on a frequent enough interval and over a sufficiently long time period to conceptualize any fluctuations in the groundwater flow regime as a result of the influence of tidal cycles in the adjacent intake and outfall canals; and
- Preparation of groundwater elevation contour maps with groundwater flow direction vectors depicting the groundwater flow regime in the study area.

2.0 FACILITY BACKGROUND

2.1 LOCATION

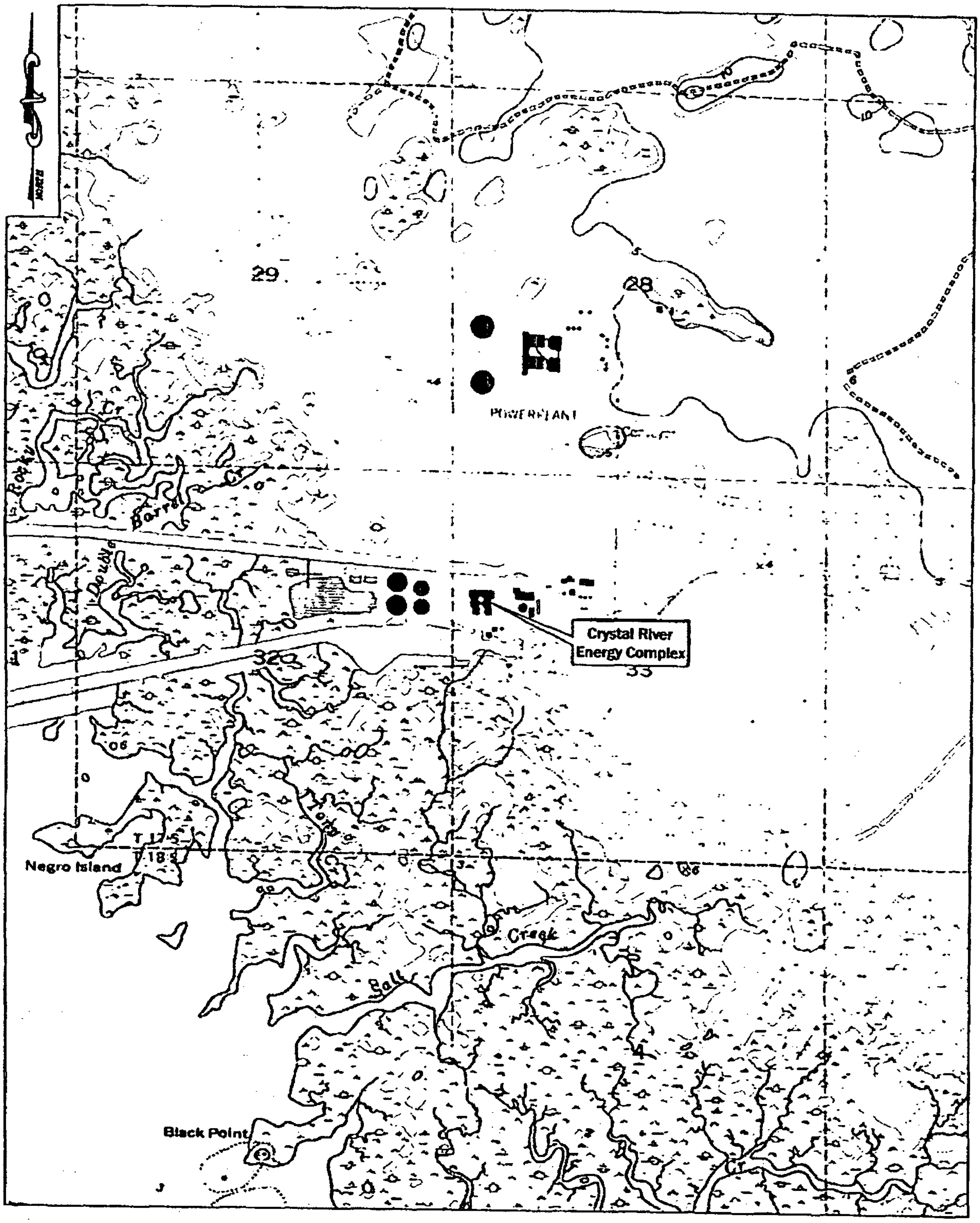
The Crystal River Energy Complex is located near the Gulf of Mexico in Citrus County, Florida (**Figure 1**). The facility encompasses approximately 4,750 acres and is situated in portions of Sections 28 through 36, Township 17 South, Range 16 East and in portions of Sections 3, 4, 5, 9, and 10, Township 18 South, Range 16 East. There are five power generating units at the Complex. Units 1, 2, 4, and 5 are coal-fired; Unit 3 (CR-3) is nuclear powered.

Units 1, 2, and 3 are located on the south side of the Complex. Associated impoundment areas include two ash storage ponds, an evaporation/percolation system, and a coal storage area with a runoff collection ditch. Units 4 and 5 are located on the north side of the Complex. Associated impoundment areas include a coal storage area with an associated runoff collection ditch, and evaporation/percolation pond system, and an ash landfill with a runoff collection ditch.

2.2 SITE GEOLOGY AND HYDROGEOLOGY

note – much of the background information on the site geology and hydrogeology is directly reproduced or interpreted from the Groundwater Monitoring Plan – Dames & Moore – April, 1995.

The western portion of the facility is located within the coastal swamps, which are part of the irregular shoreline. This area has been interpreted as relict, drowned karst topography, where insufficient sand is available to form beaches. The karst terrain was developed through the dissolution of the underlying limestone and dolomite resulting in numerous swamps, lakes, and shallow sinkholes. Surface drainage is poorly developed or absent. Thin sediments have accumulated upon the exposed Eocene limestone. The features may represent a young shoreline. The nearby offshore area is covered by a thin clastic sediment veneer and is characterized by a karst platform with limestone outcrops, sinks, and a few submarine springs.



REFERENCE:
U.S.G.S. RED LEVEL, FLA.
QUADRANGLE MAP
DATED 1954
PHOTOREVISED 1988
MINOR REVISION 1992
SECTIONS 32 & 33
TOWNSHIP 17 SOUTH
RANGE 16 EAST

EnHydro, LLC			PEF - Crystal River CR-3 Flow Study Citrus County, Florida
APPROXIMATE SCALE: 1"=2000'	DATE: 01/25/07	GEOLOGIST: CH	Crystal River Energy Complex Location Map
		DRAWN BY: DS	FIGURE 1

Soils in and around the site are nearly level and poorly drained. In the eastern part of the site, the dominant soil association is the Broward-Boca association. This association consists of sandy soils underlain by limestone. To the west, these soils are nearly saturated and are classified as members of either the freshwater swamp or saltwater marsh association. The soils are subject to frequent and prolonged flooding.

The site geology is consistent with geology and hydrogeology of the coastal swamps with low marine terraces inland which have formed on a paleokarst peneplain. The Crystal River Shelf Embayment (coastal swamp area) exhibits a sediment (sand) starved, low wave energy environment resulting in little to no sediment accumulation. The karst limestone surface in the vicinity of the percolation and ash ponds was originally bare to thinly covered with swamp-related muck soils, sand, and clayey sand in depressions (pockets) prior to the original site development in the late 1960's. Solution of the limestone is still occurring within both small scale and large scale features. A highly irregular array of small scale (centimeters to meters) pits, depressions, borings, etchings, and pinnacles are being altered by the acid marsh waters and root penetration. Small sinkholes or dolines are associated with the small scale karst actions. The larger scale karst features (tens to hundreds of meters) result from aggressive (undersaturated) groundwater being concentrated in rectilinear fractures, creating long linear depressions at the surface and underground channels and caverns.

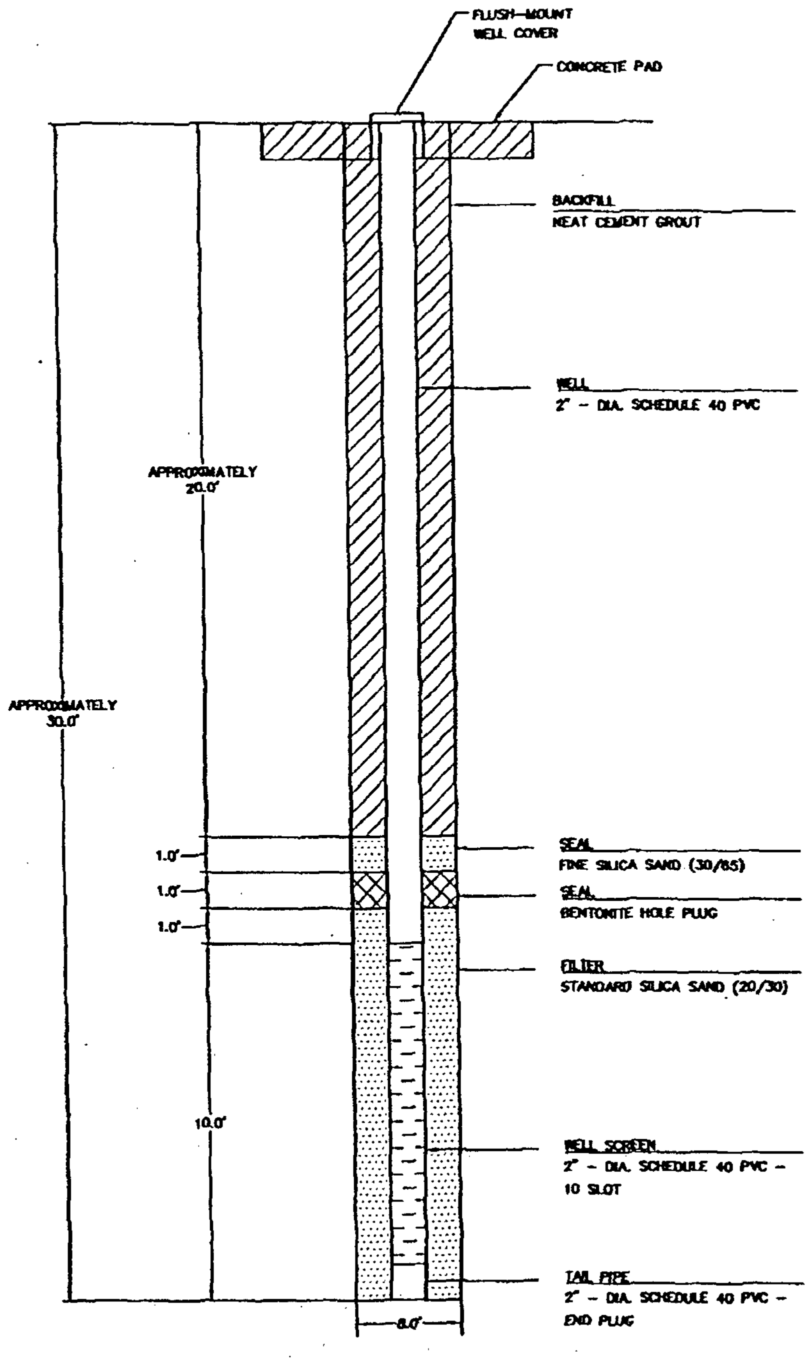
Soil boring programs conducted in the past at various areas around the Complex have indicated that voids, where encountered, are generally to be found within 50 ft of the land surface. Studies have shown that the shallow portion of the Floridan Aquifer beneath the site consists of two primary zones in the Inglis Formation: 1) a zone from the surface to approximately 30 ft below land surface (bls), and 2) a zone extending from between 40 and 60 ft bls down to where the Inglis and Avon Park Formations interface. The upper zone contains many large interconnected solution cavities and channels that are highly permeable, whereas the solid, unfractured limestone in between the two zones has a much lower permeability. The lower zone (40 to 60 ft bls) contains smaller voids and solution channels that are not as transmissive as those in the upper zone. There is a general upward flow gradient (discharge) in the Floridan Aquifer at the site.

3.0 GROUNDWATER LEVEL MONITORING WELLS

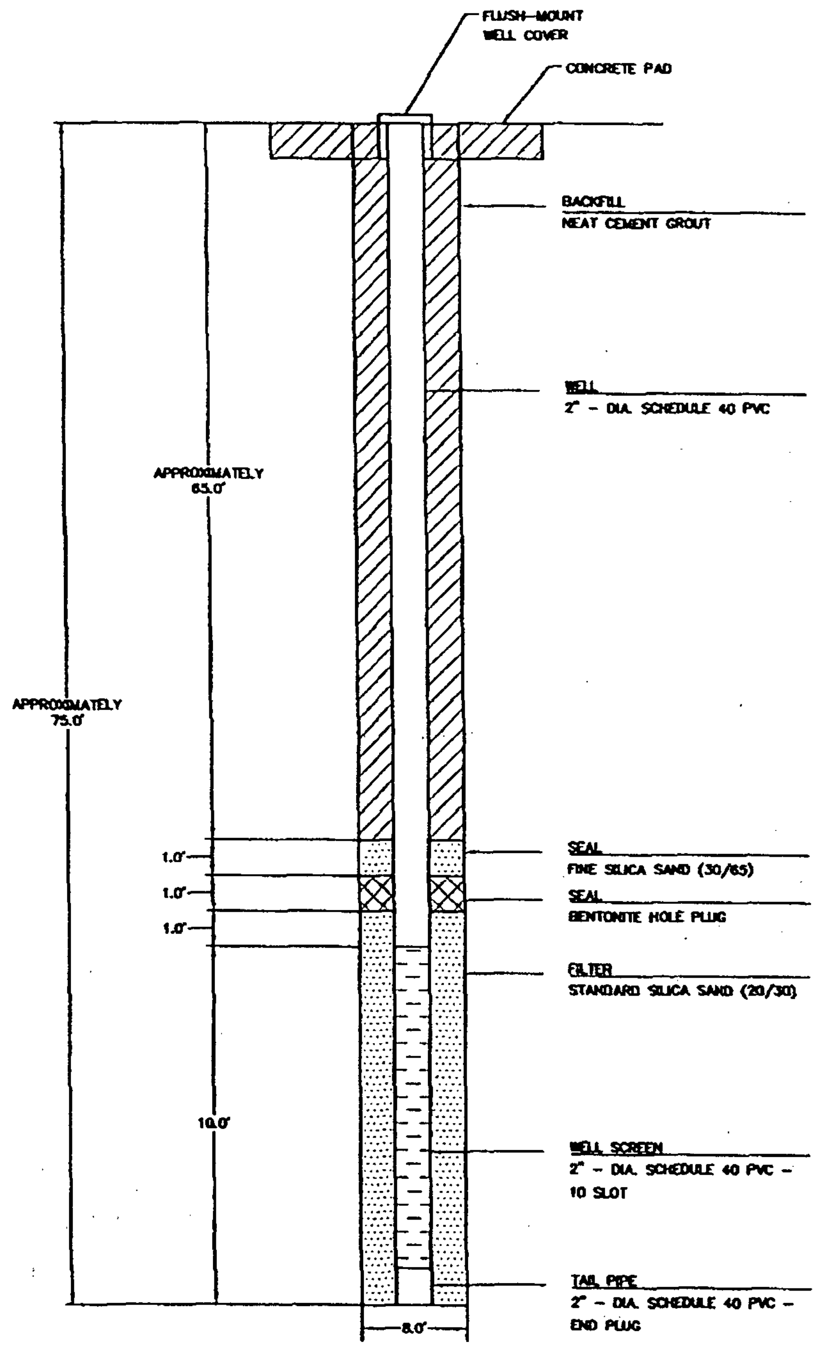
3.1 WELL CONSTRUCTION DESIGN

Construction diagrams and plans provided to EnHydro by PEF, as well as personal communications with drillers and geologists with first-hand experience at the site, indicated that voids, caverns, and channels within the Inglis Formation (down to approximately 90 – 120 ft bls) were grouted with large volumes of cement as part of the subsurface grouting programs undertaken prior to the construction of the CR-3 facility. The presence of large volumes of cement in the subsurface could act as a barrier to groundwater flow, altering the natural groundwater flow pathways. Also, the area around CR-3 is almost entirely paved, reducing the infiltration of rainfall into the shallow aquifer; this will also tend to alter the natural groundwater flow pathways. Because of these alterations, the close proximity of the intake and discharge canals, and the dual-layered nature of the Upper Floridan Aquifer beneath the site, it was determined that a network of shallow wells surrounding the CR-3 facility would be necessary for an accurate determination of the groundwater flow pathways beneath the site. To determine if there is any difference in the groundwater flow direction between the upper and lower zones of the aquifer or if there is any significant upward flow beneath the site, it was decided to install three deeper monitoring wells within the network.

The monitoring wells were constructed of two-inch diameter Schedule 40 PVC well casing and screen. The screened intervals are 10 ft long, and are capped on the bottom ends with a PVC cap or plug. A filter pack of 20/30-grade silica sand was emplaced around the screened interval, extending to at least one foot above the screen. A one-foot thick bentonite hole plug seal was place above the filter pack, followed by a one-foot thick fine (30/65 grade) sand seal. The wells were then grouted to land surface with Portland cement. The 10 shallow wells were constructed with approximately 20 ft of two-inch PVC well casing above the screened intervals; total depth was targeted at 30 ft bls, dependant on site-specific geology. The three deep wells were constructed identically to the shallow wells, with the exception that the deep wells were targeted for 70 – 80 ft bls; the deep wells were constructed with 60 – 70 ft of PVC well casing above the screens. Construction details of the wells are provided in **Figure 2** and **Figure 3**.



EnHydro, LLC			PEF - Crystal River CR-3 Flow Study Citrus County, Florida
APPROXIMATE SCALE: N.T.S.	DATE: 01/24/07	GEOLOGIST: CH	Shallow Monitoring Well Construction Detail
		DRAWN BY: DS	FIGURE 2



EnHydro, LLC

PEF - Crystal River
CR-3 Flow Study
Citrus County, Florida

Deep Monitoring Well
Construction Detail

APPROXIMATE SCALE: N.T.S.
DATE: 01/24/07
GEOLOGIST: CH
DRAWN BY: DS

FIGURE 3

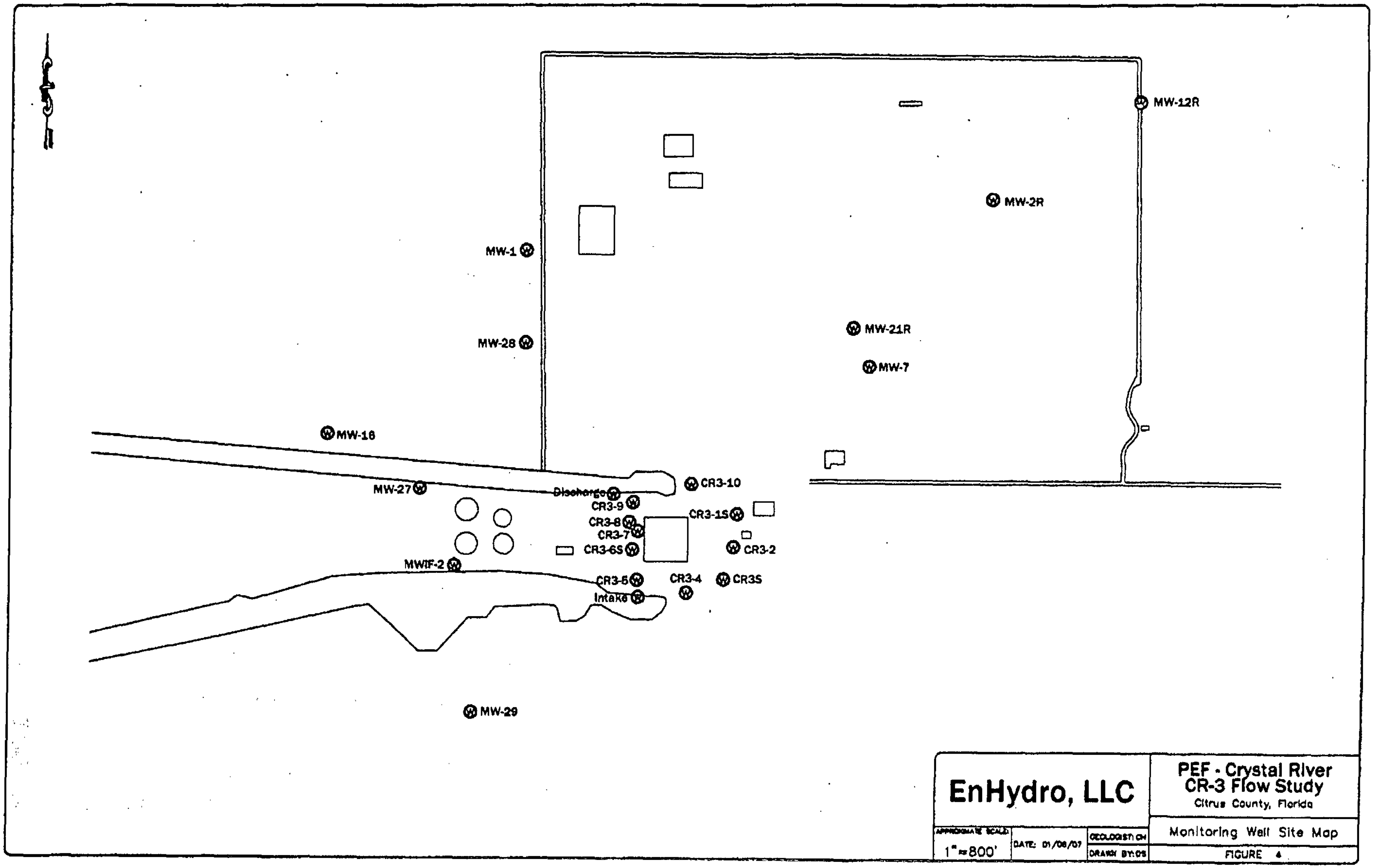
3.2 *UNDERGROUND UTILITY CLEARANCE*

Prior to commencing drilling, each of the chosen well sites was investigated with Ground Penetrating Radar (GPR). Subsurface Evaluations, Inc. (SEI) provided a GPR Operator who inspected an area of 10-ft x 10-ft or greater around each of the chosen drilling sites with a portable GPR unit. Paint marks were placed on the ground over any suspected below-ground obstructions; these marks were transferred to paper sketches for reference and archiving. Some of the drilling sites required modification to the originally-chosen locations due to either underground obstructions or to overhead power lines. Safe drilling sites were eventually successfully identified at sufficient locations to provide adequate coverage around the CR-3 Facility for the development of groundwater flow maps.

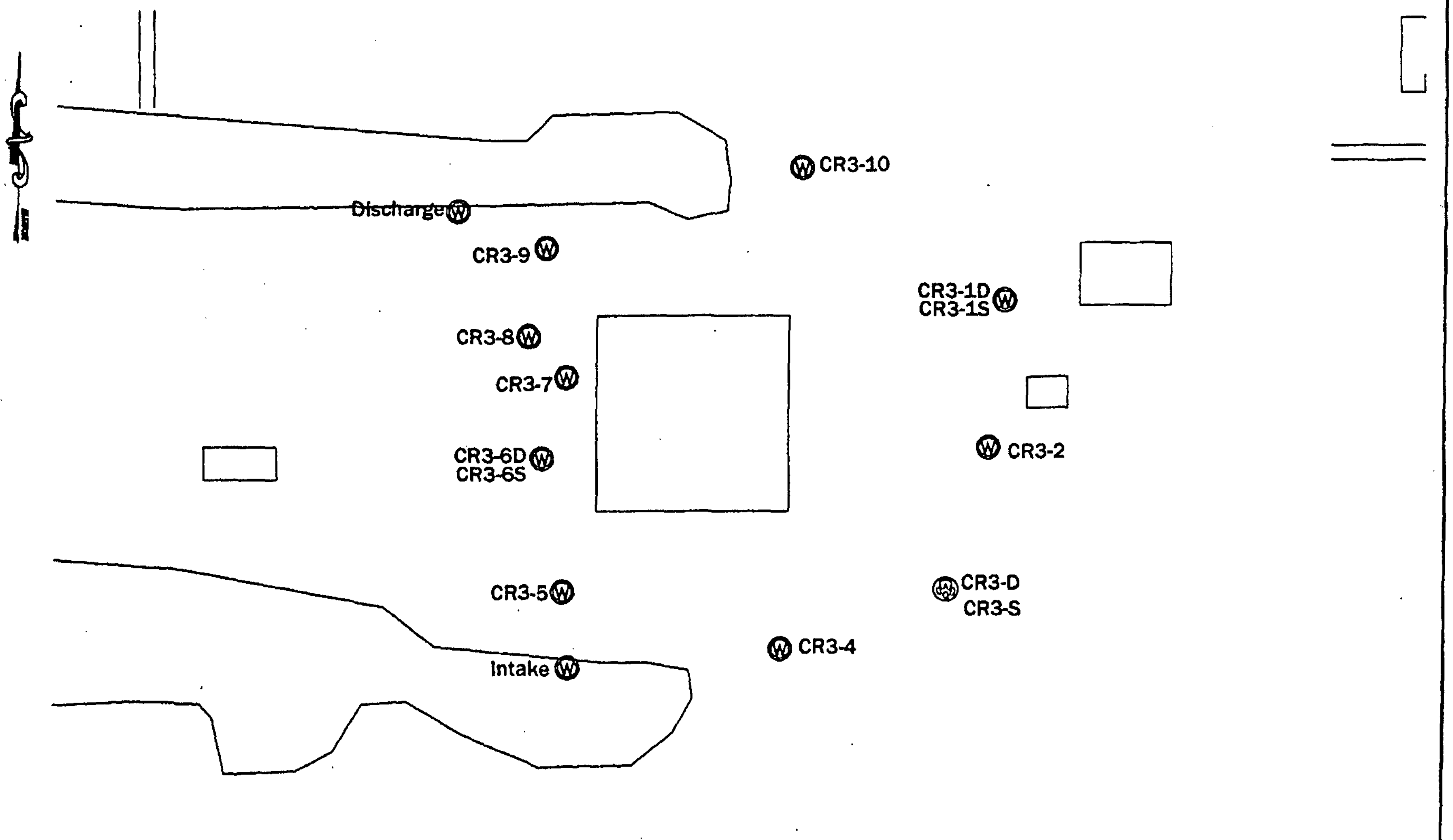
3.3 *WELL INSTALLATION AND DEVELOPMENT*

To verify that the resultant CR-3 groundwater flow maps would be in agreement with larger-scale (site-wide) patterns of groundwater flow, it was decided that the groundwater elevation monitoring effort would include all available shallow monitoring wells across the Crystal River Energy Complex. **Figure 4** depicts the locations of all of the shallow monitoring wells at the Complex. **Figure 5** shows the locations of all of the new wells installed around the CR-3 Facility, including both shallow and deep wells. The three deep wells (CR3-1D, CR3-3D, and CR3-6D) were installed adjacent to wells CR3-1S, CR3-3S, and CR3-6S.

The wells were drilled by Grosch Drilling Company of Dublin, Georgia using a Foremost dual-rotary, direct-air drilling rig. This type of rig allows the driller to advance an 8-inch diameter conductor casing down the drilled hole following closely behind the drill bit, without the use of drilling mud or other fluids. Cuttings and groundwater are discharged from the hole by the action of compressed air jetted out of the drill bit, which subsequently carries cuttings and groundwater up the annulus between the drill rod and the conductor casing. The discharged cuttings and groundwater were directed into a containment trailer to minimize the discharge of these materials onto the ground. Cutting samples were collected on 10-ft intervals for field screening with an Organic Vapor Analyzer for the possible presence of petroleum products in the groundwater.



MW-12R
MW-2R
MW-1
MW-21R
MW-28
MW-7
MW-16
CR3-10
MW-27
Discharge
CR3-9
CR3-1S
CR3-8
CR3-7
CR3-6S
CR3-2
MWIF-2
CR3-5
CR3-4
CR3S
Intake
MW-29
EnHydro, LLC
PEF - Crystal River
CR-3 Flow Study
Citrus County, Florida
APPROXIMATE SCALE
1" = 800'
DATE: 01/08/07
GEOLOGIST: CH
DRAWN BY: OS
Monitoring Well Site Map
FIGURE 4



EnHydro, LLC

PEF - Crystal River
CR-3 Flow Study
Citrus County, Florida

Monitoring Well Site Map
CR-3 Area

APPROXIMATE SCALE: 1"=300'	DATE: 01/08/07	GEOLOGIST: CH	FIGURE 5
		DRAWN BY: DS	

None of the samples collected exhibited any trace of organic vapors. Additionally, one sample was collected from each borehole for analysis by PEF for the presence of radioactive isotopes; none of the samples collected exhibited any trace of radioactivity. After the cuttings and discharged groundwater had been cleared (the absence of petroleum products or radioactive isotopes had been verified), the cuttings and water were disposed of in a landfill area designated by PEF.

Prior to reaching the target depth for the wells (approximately 30 ft bls for the shallow wells, and approximately 75 ft bls for the deep wells) an EnHydro hydrogeologist examined the rock cuttings as drilling progressed; lithologic characteristics (porous, permeable limestone versus dense, impermeable mudstone) were used to determine the actual final depth of the wells. Upon reaching the final depth, the drill bit was withdrawn from inside the conductor casing and the well string (casing, screen, and end cap) was lowered through the conductor casing to the total depth of the well. A silica sand filter pack (20/30 grade) was emplaced around the screened interval as the conductor casing was slowly withdrawn from the hole. The filter pack was extended to at least one foot above the top of the screened interval. Next, a seal was created on top of the filter pack by emplacing a one-foot thick layer of bentonite hole plug, topped with a one-foot thick layer of fine silica sand (30/65 grade). Finally, the conductor casing was completely removed from the hole as the remainder of the hole was backfilled with neat Portland cement. Each well was completed with a flush-mount bolt-down cover.

Following completion of the well construction, the location and measuring point (top of casing) elevation of each well was surveyed by Glenn Price Surveying, of Dade City, Florida. Survey results are presented in **Appendix A**. Each well was then developed for at least one hour or until the water produced by the well had cleared as much as was possible. The wells were developed using an air-lift eductor pipe, and the discharged water was directed into a holding tank. The collected water was disposed in a site percolation pond settling basin as directed by PEF. After allowing the wells to recover for at least 24 hours, static water levels were collected from each well. Well construction details and initial static water levels are presented in **Table 1**.

Table 1 – Groundwater Elevation Monitoring Well Construction Details

Well ID	Measuring Point Elevation (ft NGVD29)	Total Depth (ft bmp)	Depth to Water (ft bmp) 11/9/06	Water Table Elevation (ft NGVD29) 11/9/06
CR3-1S	8.07	30.59	5.48	2.59
CR3-1D	8.23	68.29	5.24	2.99
CR3-2	8.25	29.99	5.63	2.62
CR3-3S	7.90	30.18	5.36	2.54
CR3-3D	8.62	78.74	6.18	2.44
CR3-4	9.05	30.23	6.95	2.10
CR3-5	9.08	30.14	7.89	1.19
CR3-6S	10.18	24.92	8.42	1.76
CR3-6D	10.22	75.39	8.94	1.28
CR3-7	8.87	30.22	7.18	1.69
CR3-8	10.51	29.34	8.98	1.53
CR3-9	9.96	28.57	9.33	0.63
CR3-10	8.72	30.17	6.64	2.08

4.0 GROUNDWATER LEVEL DATA COLLECTION

4.1 METHODOLOGY

Because of the close proximity of the site to the tidally-influenced intake and discharge canals, it was hypothesized that the groundwater elevation data collected from the monitoring wells would display some degree of tidal fluctuation in groundwater elevations over the course of a tidal cycle. In coastal areas affected by the action of tides, it is common to see such a fluctuation in groundwater levels within monitoring wells. Because of this and several other factors it was decided to collect water levels in the wells for a minimum of 72 hours in order to have a higher likelihood of capturing valid, easily interpreted groundwater elevation level data. Other factors pertinent to this decision include: 1) the tidal cycle along the Gulf of Mexico in Florida is "mixed" (both diurnal and semi-diurnal tides are experienced; in other words, some days have one high and one low tide, while other days have two high and two low tides); 2) tidal ranges vary in amplitude throughout the month from about one-half foot to nearly three feet; and 3) tidal response in groundwater monitoring wells tends to decrease in magnitude, and increase in lag time, as one moves further from the coast. In order to adequately correlate the recorded groundwater elevations in the monitoring wells with actual tidal fluctuations, additional measuring points were established in the intake and outfall canals. Drop pipes were secured to the guard railing at one location along each of the two canals, and the location and elevation of the measuring points on the drop pipes were surveyed.

Each of the 13 new groundwater elevation monitoring wells, the two canal level monitoring drop pipes, and the 10 existing shallow monitoring wells were equipped with an InSitu, Inc. Hermit water level datalogger. Water depths (ft bmp) were measured with an electric water level tape immediately prior to installation of each datalogger, and were converted to elevation (ft NGVD29) for the initial programming of the datalogger; in this way, the water levels recorded by the dataloggers were direct readings of water level elevation (ft NGVD29). The dataloggers were set to record water levels for the period of approximately November 27 – December 1, 2006. Following the test period, the water levels were once again measured with an electric water level tape to verify that the data reference points had not drifted during the test.

4.2 DATA COLLECTION RESULTS

The groundwater elevation data collected from each of the monitoring wells and the tidal elevation readings from the intake/discharge canals were input into Excel spreadsheets for graphing. No data reduction or post-processing was required. A summary of the groundwater elevation data is presented as **Table 2**; graphs of the water level data are presented in **Appendix B**.

All of the data sets collected from the wells in the CR-3 area exhibit expected patterns of groundwater elevation fluctuation. Wells MW-1, MW-2R, MW-12R, and MW-21R exhibit minor fluctuations in groundwater elevation; this is to be expected, as these wells are the furthest from the tidal influence of the intake and discharge canals. Of all of the wells, only well MW-7 exhibited unusual groundwater elevation data; the graph appears to indicate that well MW-7 is affected by periodic discharges of water to a surface collection system near the well. For this reason, data from well MW-7 was not used in the subsequent contouring of the recorded water levels.

4.3 GROUNDWATER LEVEL MAPPING & CONTOURING

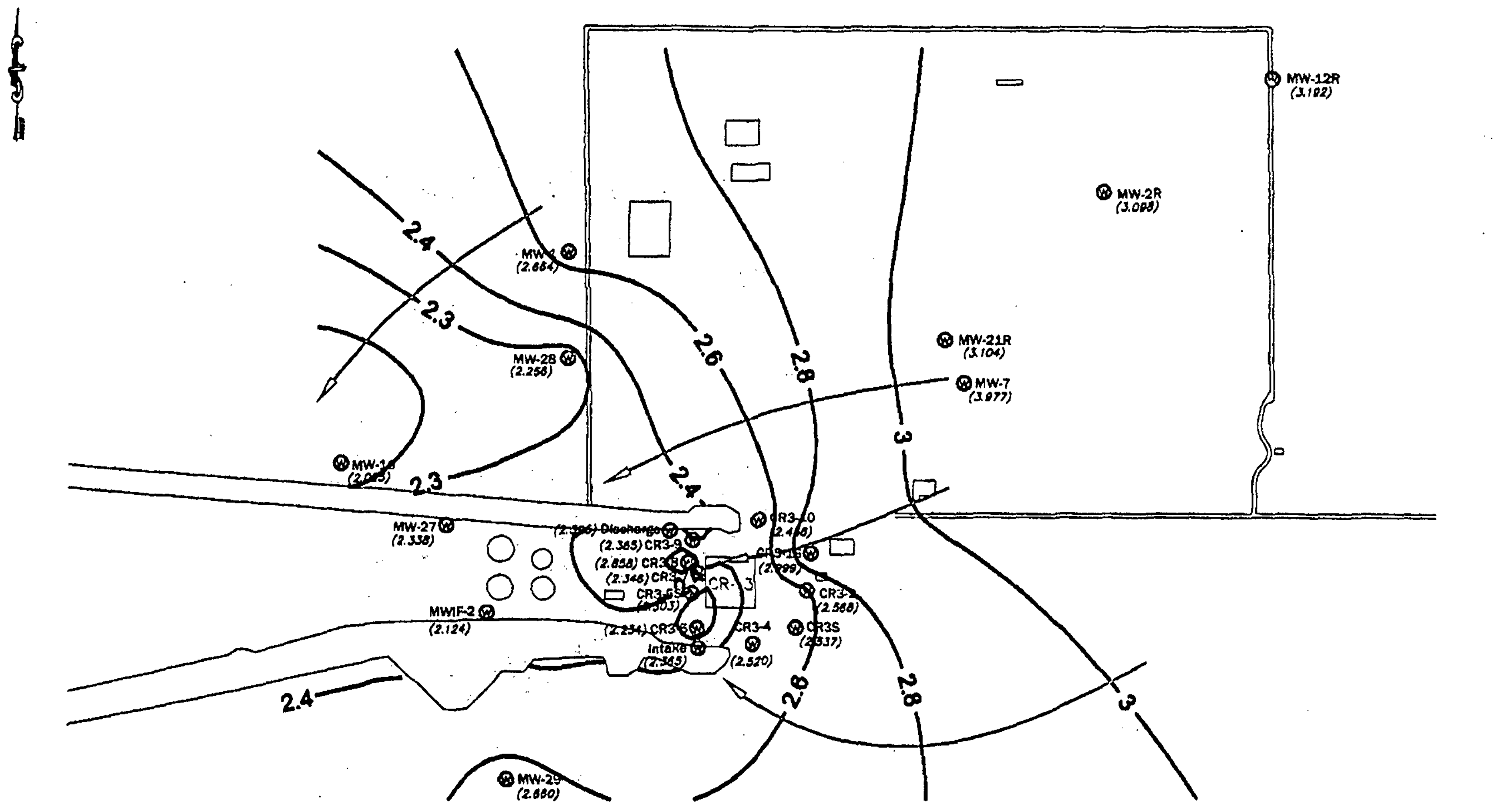
Each of the groundwater elevation datasets exhibited a sinuous curve when graphed. Because of the dampening effect of the passage of the tidal pressure curve through the rock and soils of the aquifer, the response of the wells to tidal changes is not instantaneous. This results in a lag time in the elevation fluctuations within the wells with respect to the tidal changes in the intake/discharge canals. Additionally, tidal ranges (amplitude) vary throughout the monthly tidal cycle. The time period of November 28, 2006 (10:00 pm) through November 30, 2006 (4:00 pm) was chosen as the most stable portion of the tidal record, in which at least three complete tidal cycles (sequential high and low tides) exhibited nearly equal high and low measurements. The observed tidal range was from approximately -0.5 ft NGVD29 to +2.25 ft NGVD29.

Table 2 – Groundwater Elevations (11/28/06 @ 22:00 - 11/30/06 @ 16:00)

Well ID	Measuring Point Elevation (ft NGVD29)	High Level (ft NGVD29)	Low Level (ft NGVD29)	Average Level (ft NGVD29)
TIDAL DATA				
INTAKE	7.415	2.395	-0.723	0.838
DISCHARGE	6.142	2.365	-0.914	0.744
SHALLOW WELLS				
CR3-1S	8.065	2.999	2.550	2.758
CR3-2	8.252	2.568	2.102	2.321
CR3-3S	7.902	2.537	2.001	2.255
CR3-4	9.052	2.520	1.766	2.127
CR3-5	9.082	2.234	0.901	1.558
CR3-6S	10.182	2.303	1.096	1.697
CR3-7	8.872	2.346	1.089	1.711
CR3-8	10.512	2.858	1.766	2.302
CR3-9	9.955	2.385	0.839	1.606
CR3-10	8.715	2.458	1.578	2.005
MW-1	7.318	2.664	2.616	2.642
MW-2R	10.075	3.098	3.062	3.080
MW-12R	9.781	3.192	3.164	3.176
MW-16	13.998	2.025	0.465	1.248
MW-21R	10.392	3.104	3.064	3.084
MW-27	11.312	2.338	2.047	2.166
MW-28	8.218	2.256	1.602	1.917
MW-29	11.715	2.660	1.381	1.899
MWIF-2	11.788	2.124	-0.087	0.980
DEEP WELLS				
CR3-1D	8.225	2.364	1.883	2.110
CR3-3D	8.622	2.521	1.973	2.232
CR3-6D	10.222	1.755	0.568	1.152
QUESTIONABLE WELLS				
MW-7	8.622	3.977	3.018	3.222

To investigate whether the groundwater flow direction changes throughout the changing tidal cycle, whether the deep zone of the aquifer exhibits different flow patterns than the shallow zone and whether the observed groundwater flow patterns in the vicinity of the CR-3 Facility are consistent with the groundwater flow patterns across the entire Crystal River Energy Complex, multiple groundwater elevation maps were prepared for comparison. Three sets (low, high, and average elevations) of groundwater elevation contour maps were prepared each of the following sets of wells: 1) the shallow monitoring well data in the vicinity of the CR-3 Facility; 2) the deep wells in the CR-3 area; and 3) for all of the shallow wells across the Complex.

The groundwater elevation data was imported into a SURFER dataset and used to produce contours maps of the groundwater elevations for each of the conditions described above (high, low, and average water levels). These contours were then overlaid on the base site maps, truncated in areas where the contour lines crossed the intake and discharge canals (assumed to be flat), and annotated with arrows depicting the approximate direction of groundwater flow. These maps are presented as **Figures 6 – 8** (site-wide high, low, and average shallow water levels), **Figures 9 – 11** (CR-3 area high, low, and average shallow water levels), and **Figures 12 – 14** (CR-3 area high, low, and average deep water levels).



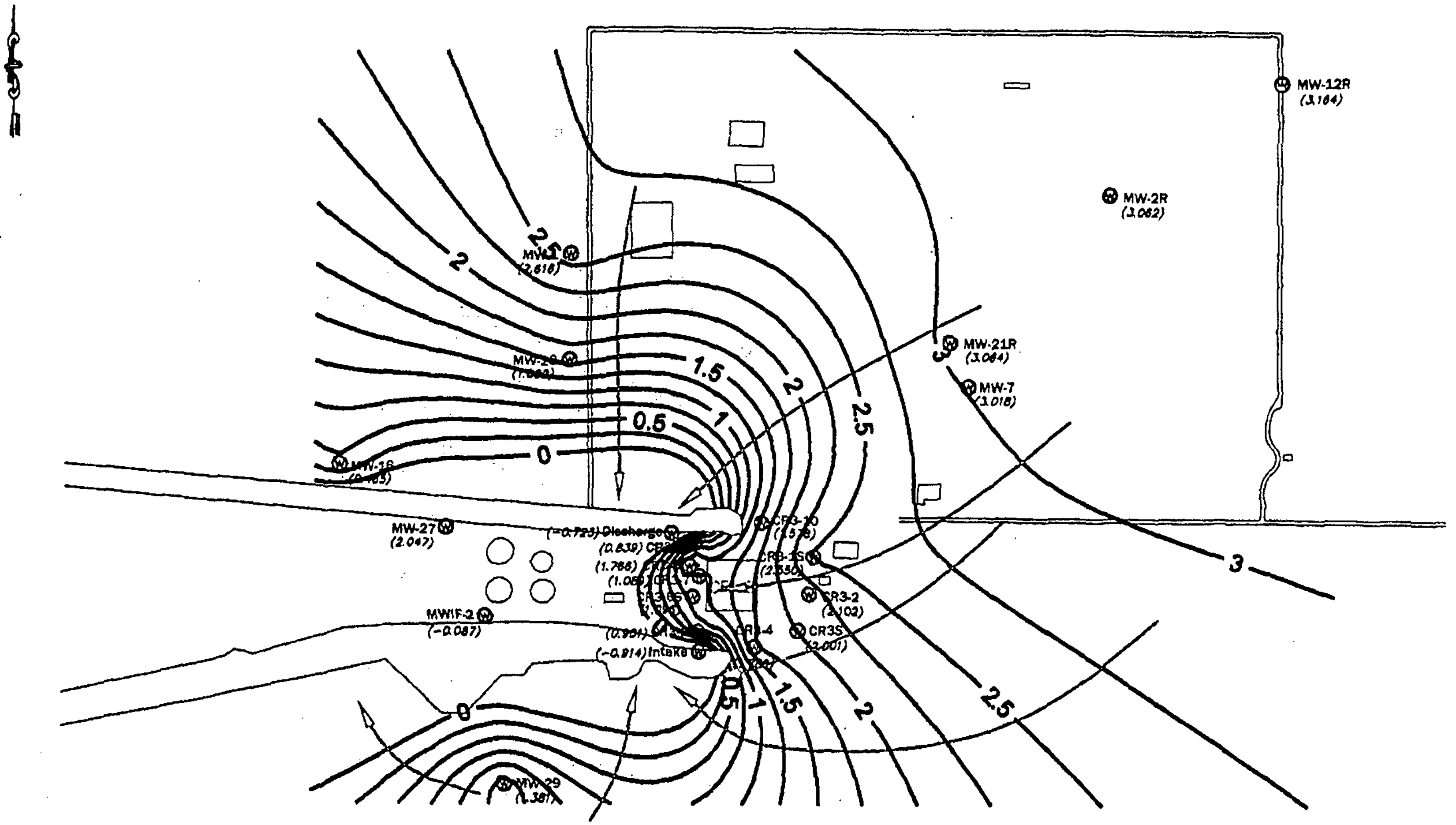
Legend:

(2.999) Water Levels 11/28/06 @ 22:00 through 11/30/06 @ 16:00 (ft. NGVD)

2.6 —— Groundwater Contour

◁—— Approximate Direction of Groundwater Flow

EnHydro, LLC			PEF - Crystal River CR-3 Flow Study Citrus County, Florida
APPROXIMATE SCALE: 1" = 800'	DATE: 04/22/07	GEOLOGIST: CH DRAWN BY: DS	Site-Wide High Water Levels FIGURE 8



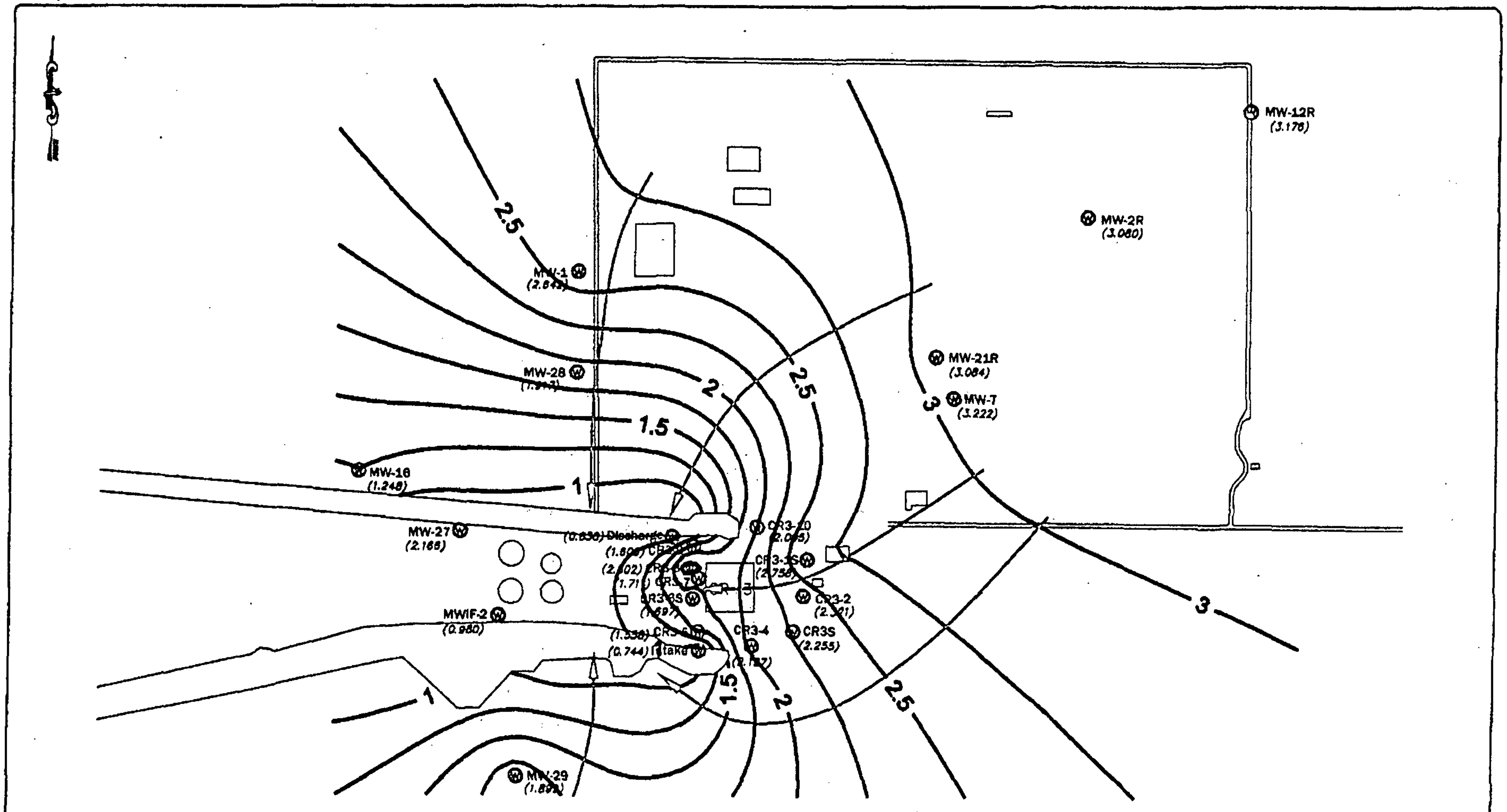
Legend:

(2.999) Water Levels 11/28/06 @ 22:00 through 11/30/06 @ 16:00 (ft. NGVD)

2.6 —— Groundwater Contour

⟵ Approximate Direction of Groundwater Flow

EnHydro, LLC			PEF - Crystal River CR-3 Flow Study Citrus County, Florida
APPROXIMATE SCALE: 1"=800'	DATE: 01/22/07	GEOLOGIST: CH DRAWN BY: DS	Site-Wide Low Water Levels FIGURE 7



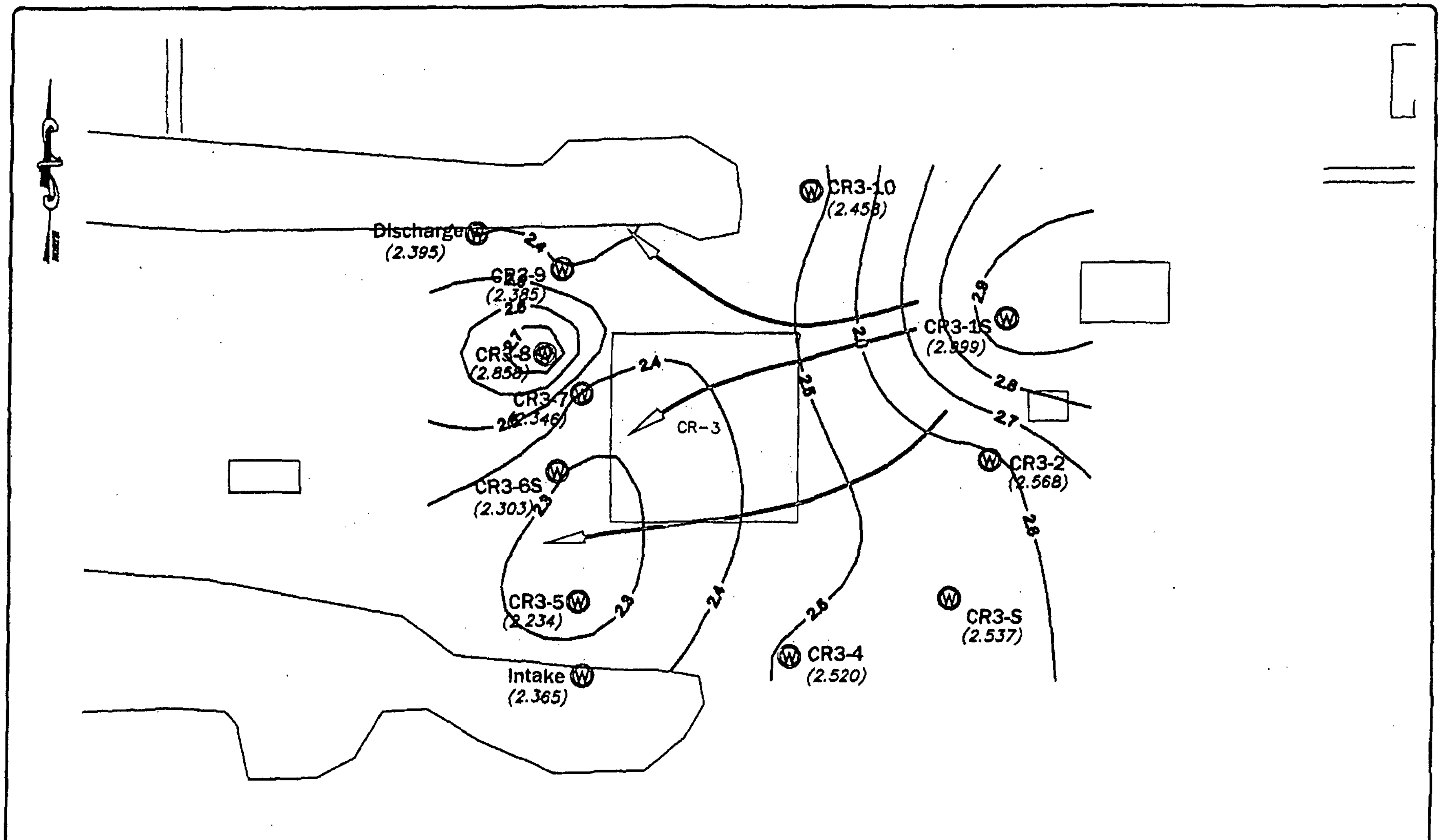
Legend:

(2.999) Water Levels 11/28/06 @ 22:00 through 11/30/06 @ 16:00 (ft. NGVD)

2.8 ——— Groundwater Contour

<—— Approximate Direction of Groundwater Flow

EnHydro, LLC			PEF - Crystal River CR-3 Flow Study Citrus County, Florida
APPROXIMATE SCALE: 1" = 800'	DATE: 01/22/07	GEOLOGIST: CH DRAWN BY: DS	Site-Wide Average Water Levels FIGURE 8



Legend:

(2.999) Water Levels 11/28/06 @ 22:00 through 11/30/06 @ 18:00 (ft. NGVD)

2.6 —— Groundwater Contour

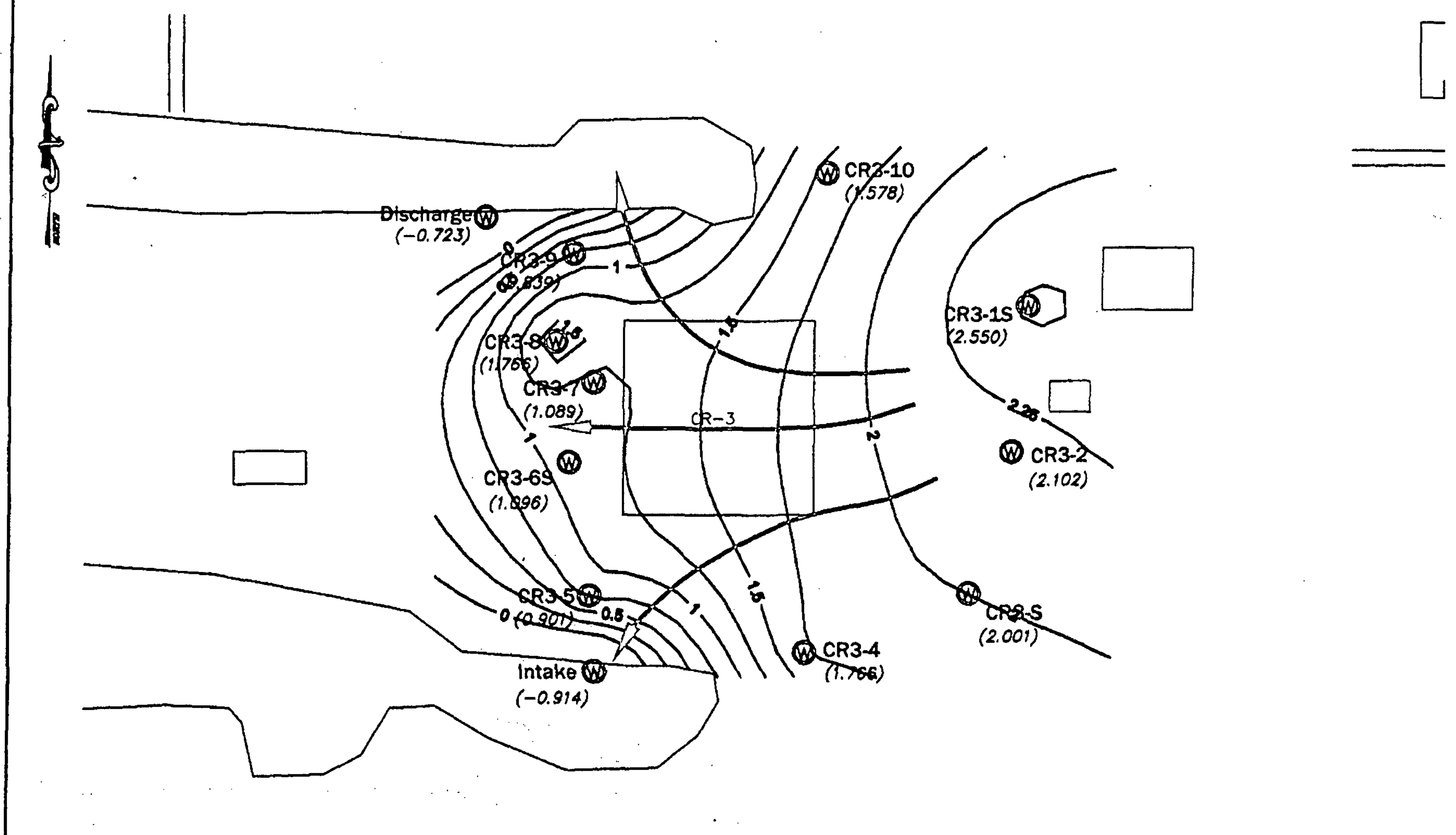
⟵ Approximate Direction of Groundwater Flow

EnHydro, LLC

PEF - Crystal River
CR-3 Flow Study
Citrus County, Florida

CR-3 Area – Shallow Wells High Water Levels

APPROXIMATE SCALE: 1"=300'	DATE: 01/22/07	GEOLOGIST: CH	
		DRAWN BY: DS	FIGURE 9



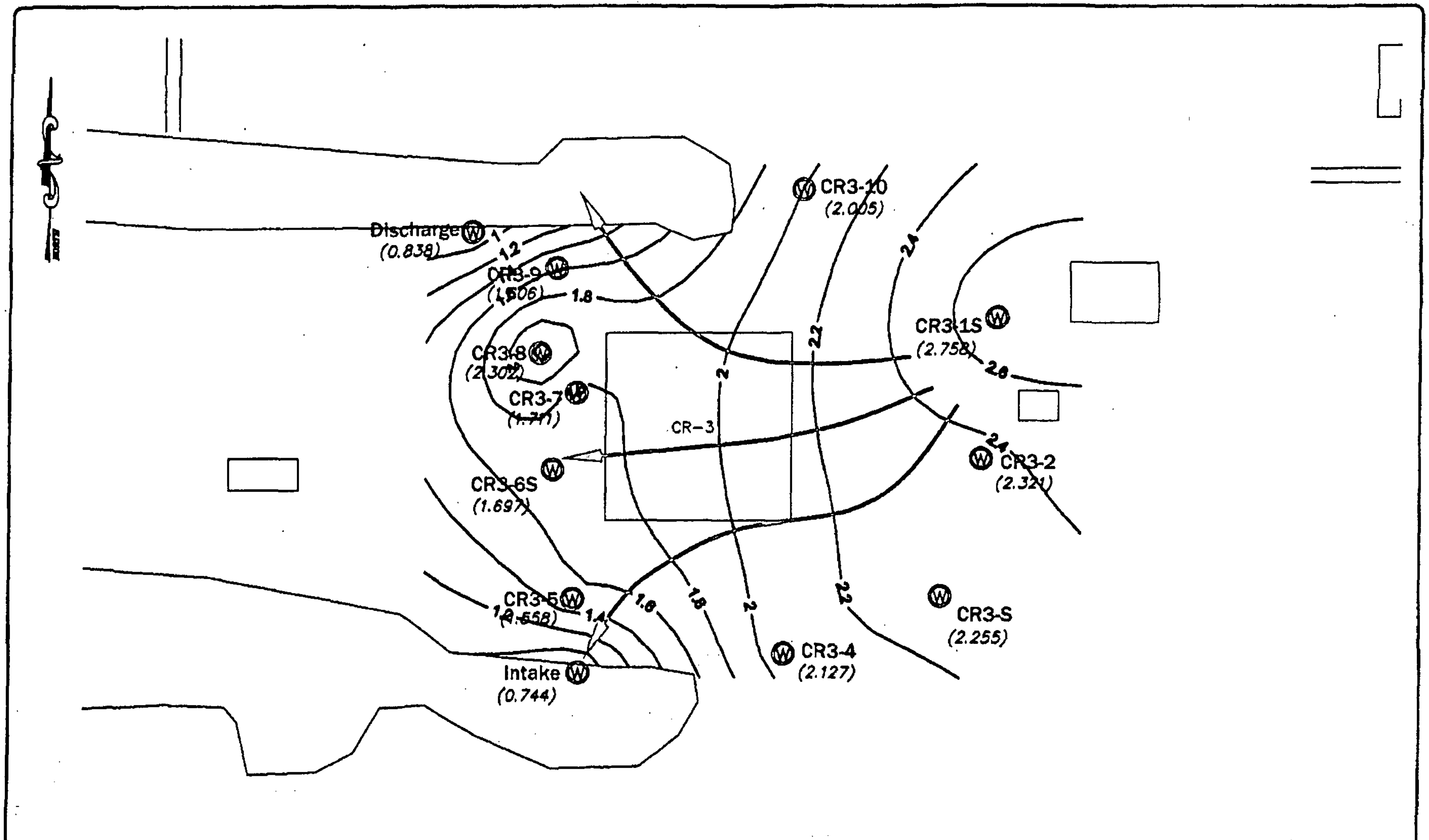
Legend:

(2.999) Water Levels 11/28/06 @ 22:00 through 11/30/06 @ 16:00 (ft. NGVD)

2.6 —— Groundwater Contour

Approximate Direction of Groundwater Flow

EnHydro, LLC			PEF - Crystal River CR-3 Flow Study Citrus County, Florida
APPROXIMATE SCALE: 1"=300'	DATE: 01/22/07	GEOLOGIST: CH	CR−3 Area − Shallow Wells Low Water Levels
		DRAWN BY: DS	FIGURE 10



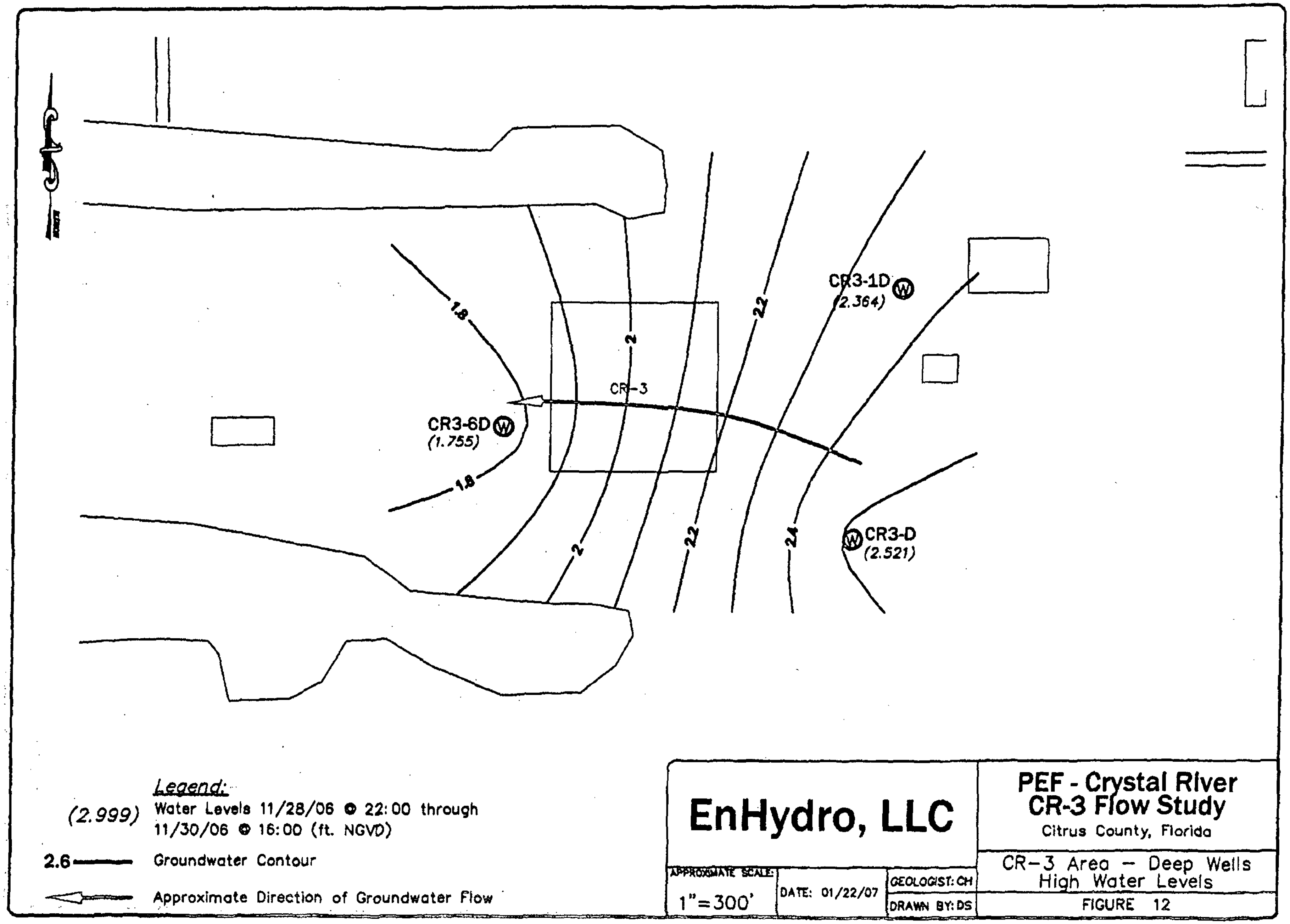
Legend:

(2.999) Water Levels 11/28/06 @ 22:00 through 11/30/06 @ 16:00 (ft. NGVD)

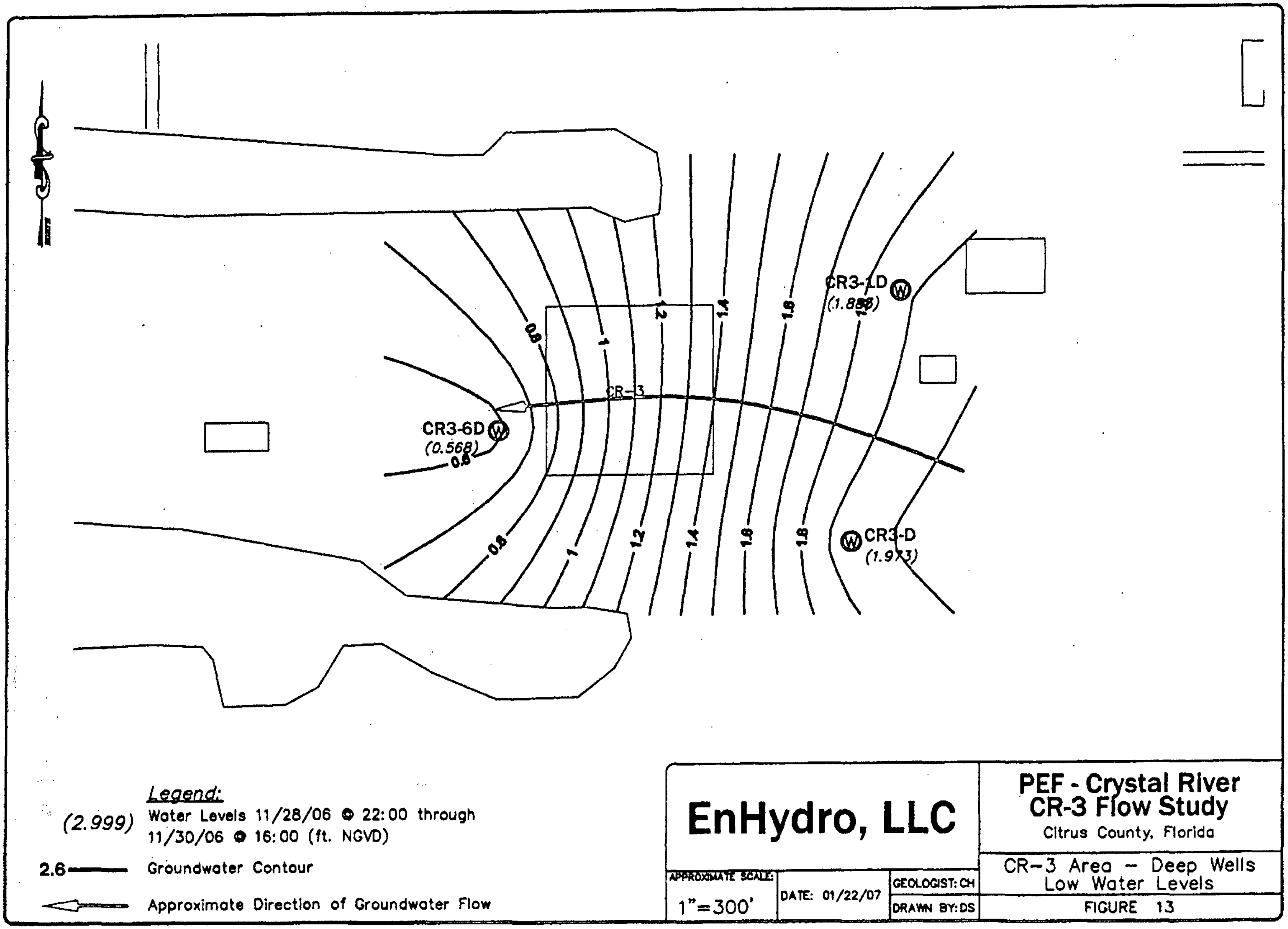
2.6 —— Groundwater Contour

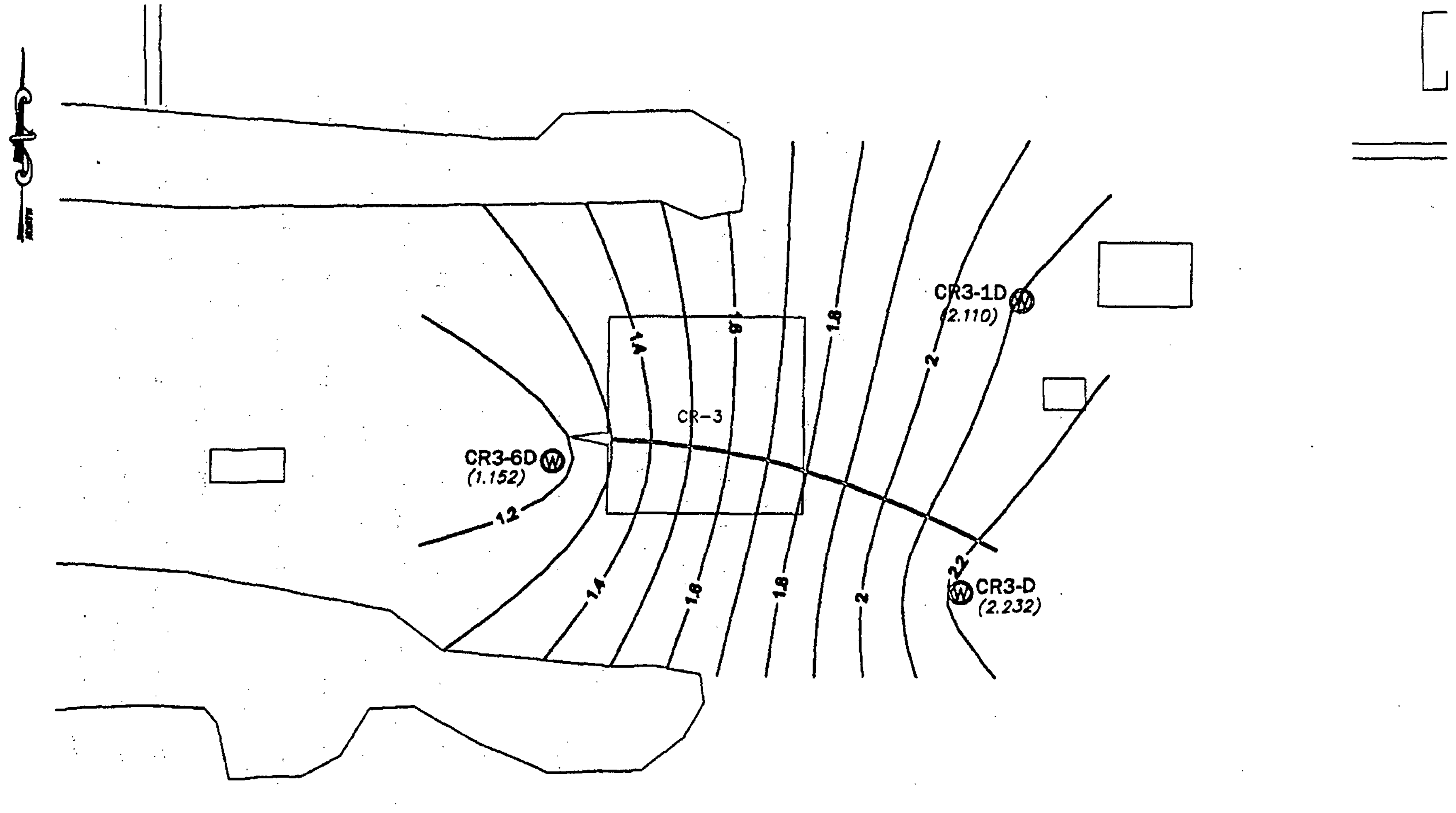
⟸ Approximate Direction of Groundwater Flow

EnHydro, LLC			**PEF - Crystal River CR-3 Flow Study** Citrus County, Florida
			CR-3 Area – Shallow Wells Average Water Levels
APPROXIMATE SCALE: 1"=300'	DATE: 01/22/07	GEOLOGIST: CH DRAWN BY: DS	FIGURE 11



CR3-1D
(2.364)
CR-3
CR3-6D
(1.755)
CR3-D
(2.521)
1.8
2
2.2
2.4
Legend:
(2.999) Water Levels 11/28/06 @ 22:00 through 11/30/06 @ 16:00 (ft. NGVD)
2.6 Groundwater Contour
Approximate Direction of Groundwater Flow
EnHydro, LLC
PEF - Crystal River
CR-3 Flow Study
Citrus County, Florida
CR-3 Area - Deep Wells
High Water Levels
APPROXIMATE SCALE:
1"=300'
DATE: 01/22/07
GEOLOGIST: CH
DRAWN BY: DS
FIGURE 12


CR3-1D
(1.888)
CR3-6D
(0.568)
CR-3
CR3-D
(1.973)
0.6
0.8
1
1.2
1.4
1.6
1.8
Legend:
(2.999) Water Levels 11/28/06 @ 22:00 through 11/30/06 @ 16:00 (ft. NGVD)
2.6 Groundwater Contour
Approximate Direction of Groundwater Flow
EnHydro, LLC
PEF - Crystal River
CR-3 Flow Study
Citrus County, Florida
CR-3 Area - Deep Wells
Low Water Levels
APPROXIMATE SCALE:
1"=300'
DATE: 01/22/07
GEOLOGIST: CH
DRAWN BY: DS
FIGURE 13



Legend:

(2.999) Water Levels 11/28/06 @ 22:00 through 11/30/06 @ 16:00 (ft. NGVD)

2.6 —— Groundwater Contour

Approximate Direction of Groundwater Flow

EnHydro, LLC

PEF - Crystal River
CR-3 Flow Study
Citrus County, Florida

CR-3 Area – Deep Wells
Average Water Levels

APPROXIMATE SCALE:	DATE:	GEOLOGIST:	FIGURE
1"=300'	01/22/07	CH	14
		DRAWN BY: DS	

5.0 DISCUSSION

The shallow groundwater gradients across the Complex and in the immediate vicinity of the CR-3 Facility are fairly consistent with the expected patterns, as are the deep groundwater gradients beneath the CR-3 Facility. Groundwater flow is generally to the west-southwest, with obvious discharge towards the intake and discharge canals. At the locations of distant monitoring wells MW-1, MW-2R, MW-12r, and MW-21R the shallow groundwater levels exhibit very little fluctuation (<0.1 ft) between high and low tidal stages. The groundwater elevations in the vicinity of the CR-3 Facility, however, exhibit as much as one foot of fluctuation. This situation indicates that the groundwater gradient is not static; rather, the gradient is steepest at low tide conditions and flattest at high tide.

In the CR-3 area, groundwater mounding is observed in the vicinity of well CR3-8, especially at high tide conditions. This is to be expected, as well CR3-8 is located in an isolated, rather large (for the site) grassy area which is likely to receive much more direct recharge from rainfall (fresh water) over time than the nearby paved areas. This fresh water recharge is likely to form a "lens", or pocket of fresher water "floating" on the brackish native groundwater due to density differences. A similar phenomenon is observed on islands, in which the rainfall recharge forms a distinct freshwater lens within the shallowest saturated zone of the aquifer (known as the Ghyben-Herzberg Effect).

The deep wells in the CR-3 area exhibit similar westward groundwater flow patterns as in the shallow zone of the aquifer. As only three wells were available for contouring, the contour lines and flow patterns inferred from the data are not as detailed as those in the shallow zone where three times the number of data points were available. The data indicate a slight downward groundwater flow gradient from the shallow to the deeper zones of the aquifer, opposite of the gradient observed elsewhere in the area. This is likely a result of the previously-mentioned effects of the foundation grouting that took place prior to the construction of the CR-3 Facility; large amounts of solid cement in the shallow zone of the aquifer likely act as a dam, "backing up" or mounding the groundwater against the natural westward gradient and causing slightly increased groundwater levels above pre-construction conditions.

6.0 CONCLUSIONS

The primary objective of the Groundwater Flow Study was to generate sufficient data to characterize the groundwater flow in the vicinity of the CR-3 Facility. Specific objectives included:

- Installation of a sufficient number of groundwater monitoring wells to adequately characterize the groundwater flow regime in the vicinity of CR-3;
- Collection of groundwater elevation data on a frequent enough interval and over a sufficiently long time period to conceptualize any fluctuations in the groundwater flow regime as a result of the influence of tidal cycles in the adjacent intake and outfall canals; and
- Preparation of groundwater elevation contour maps with groundwater flow direction vectors depicting the groundwater flow regime in the study area.

The groundwater elevation data collected from the new and existing monitoring wells was sufficient for the preparation of the required groundwater elevation contour maps. Groundwater flows beneath the CR-3 Facility are generally to the west to west-southwest in both the shallow and deep zones of the aquifer. The short lag time between high and low tide levels and the high and low water elevation levels in the CR-3 area wells (less than two hours, in the case of most of the downgradient wells) indicates that the hydraulic conductivity of the aquifer is relatively high, possibly on the order of 1000 ft/day as indicated by earlier well testing in the area; this is ameliorated by the relatively low (< 3 ft) groundwater gradient in the area, which provides a low driving force on the groundwater flow. Groundwater tracer tests in the vicinity of the CR-3 Facility, however, would be the only way to obtain empirical measurements of the actual groundwater flow velocity in the study area.

Monitoring wells CR-5, CR-6S, CR-6D, CR-7, CR-8, and CR-9 are appropriate for long-term monitoring to detect the presence of any unknown release of water containing elevated levels of radioactive isotopes. In the absence of any other controls and monitoring programs, the potential relatively high transmissivity of the limestone in the

Upper Floridan Aquifer and the associated rapid transit time of water within the aquifer (due to the pervasive presence of small- to large-scale voids and channels within the limestone) would make it prudent to sample the wells on at least a monthly basis to ensure that a possible release of radioactive water to the intake/discharge canals does not go undetected for an unacceptable length of time. However, in light of the leak detection programs that PEF currently has in place (frequent walkdowns of equipment, internal inspections of tanks, monitoring of tank levels, and other surveillances), quarterly sampling of the wells should be sufficient to supplement the existing leak detection monitoring programs at the CR-3 Facility.

Wells CR3-2, CR3-4 and CR3-10 should also be monitored on the same quarterly frequency as the aforementioned wells for the purpose of background comparison. Sampling of the wells should be conducted by purging and sampling the wells following the Florida Department of Environmental Protection's (FDEP'S) Standard Operating Procedures for the sampling of groundwater monitoring wells.

Progress Energy Florida - Crystal River Power Plant

Section 28, 32 & 33, Township 17 South, Range 16 East
Citrus County, Florida

Surveyor's Notes

This SPECIFIC PURPOSE SURVEY was prepared without an abstract of title; therefore the undersigned makes no guarantees or representations regarding information shown hereon pertaining to easements, rights-of-ways, setback lines, agreements, reservations, or other similar matters.

The Specific Purpose of this survey is to depict the horizontal and vertical relationship of existing monitor well positions as directed by the client.

It is further expressed that additional information may be incorporated or derived from the information shown hereon.

The term "Specific Purpose" has not been utilized in order to avoid certification or the use of standard survey practices.

Coordinates as depicted hereon have an accuracy of 1'± Horizontally and 0.1'± Vertically

No underground installations, improvements, or encroachments have been located except those shown hereon.

No instruments of record reflecting easements, rights-of-way, and/or ownership were furnished to the undersigned except as shown.

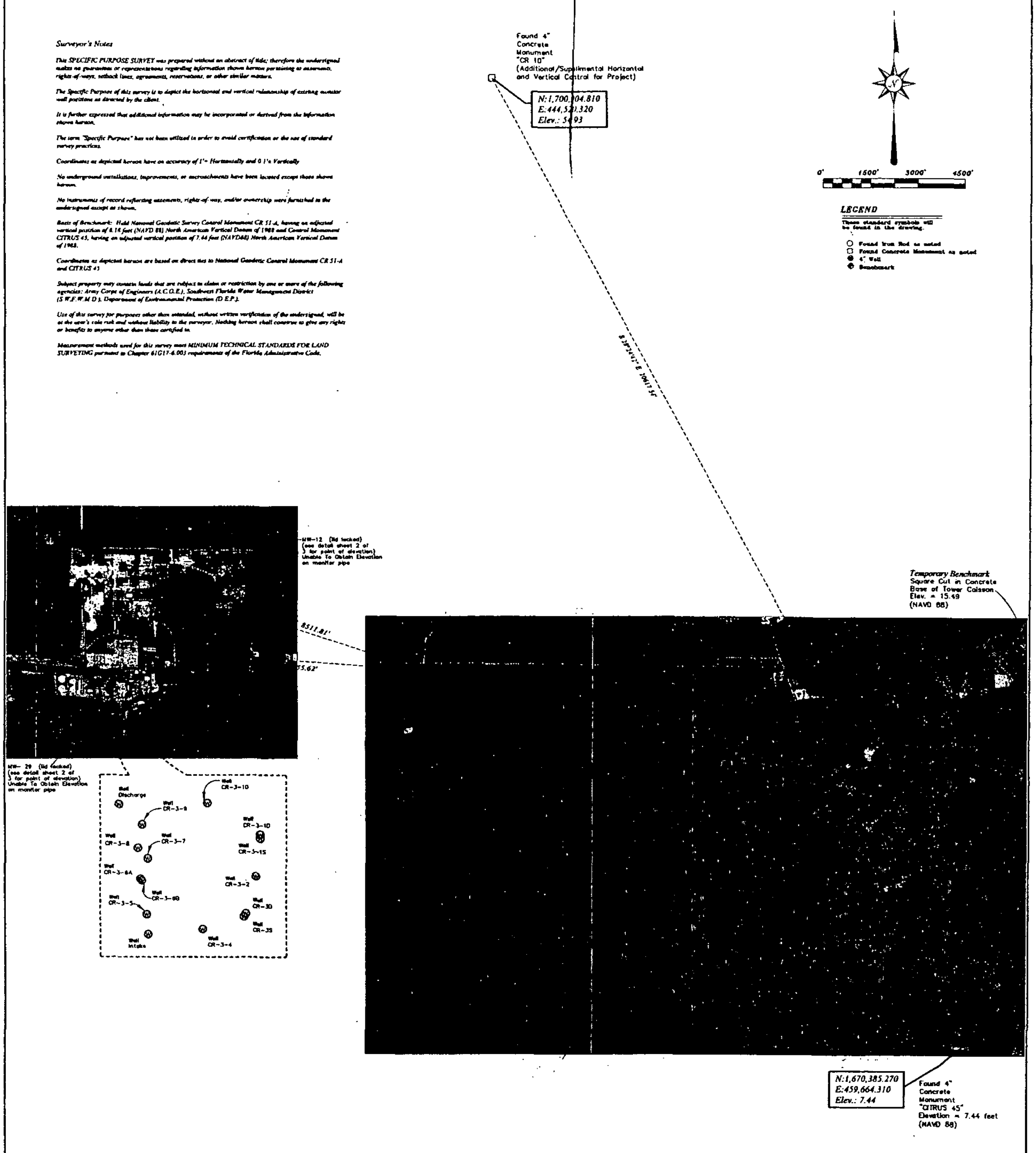
Basis of Benchmark: Held National Geodetic Survey Control Monument CR 51-A, having an adjusted vertical position of 8.18 feet (NAVD 88) North American Vertical Datum of 1988 and Control Monument CITRUS 45, having an adjusted vertical position of 7.44 feet (NAVD88) North American Vertical Datum of 1988.

Coordinates as depicted hereon are based on direct ties to National Geodetic Control Monument CR 51-A and CITRUS 45

Subject property may contain lands that are subject to claim or restriction by one or more of the following agencies: Army Corps of Engineers (A.C.O.E.), Southwest Florida Water Management District (S.W.F.W.M.D.), Department of Environmental Protection (D.E.P.).

Use of this survey for purposes other than intended, without written verification of the undersigned, will be at the user's sole risk and without liability to the surveyor. Nothing hereon shall construe to give any rights or benefits to anyone other than those certified to.

Measurement methods used for this survey meet MINIMUM TECHNICAL STANDARDS FOR LAND SURVEYING pursuant to Chapter 61G17-6.003 requirements of the Florida Administrative Code.



Control Point Table

Control Point Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Latitude (NAD 83)	Longitude (NAD 83)	Elevation (NGVD 29)	Scale Factor	Convergence	Point Number
Control Point #1	1,682,930.947	431,407.682	18.00'	Lat. 28°57'41.13302"	Long. -82°42'10.23927"	18.935'	0.999999070	-00°20'25.24185"	Point #150
Control Point #2	1,684,807.858	434,267.231	8.20'	Lat. 28°57'59.88151"	Long. -82°41'38.17358"	9.145'	0.999997806	-00°20'08.91196"	Point #151
Control Point #3	1,682,080.440	442,330.242	8.37'	Lat. 28°57'33.33070"	Long. -82°40'07.23080"	7.315'	0.999993580	-00°19'25.59249"	Point #111

SEC:	TWP:	RNG:
33	17S	16E

PROJECT NO.: 060971A01_DN
DRAWN BY: JAO
DATE: 11/14/06
CHECKED BY: OAP
DATE: 11/14/06
SCALE: 1" = 1500'
SHEET 1 OF 3

Specific Purpose Survey
prepared for
EnHydro, LLC
15760 W Power Line Street
Crystal River, Florida

GPS

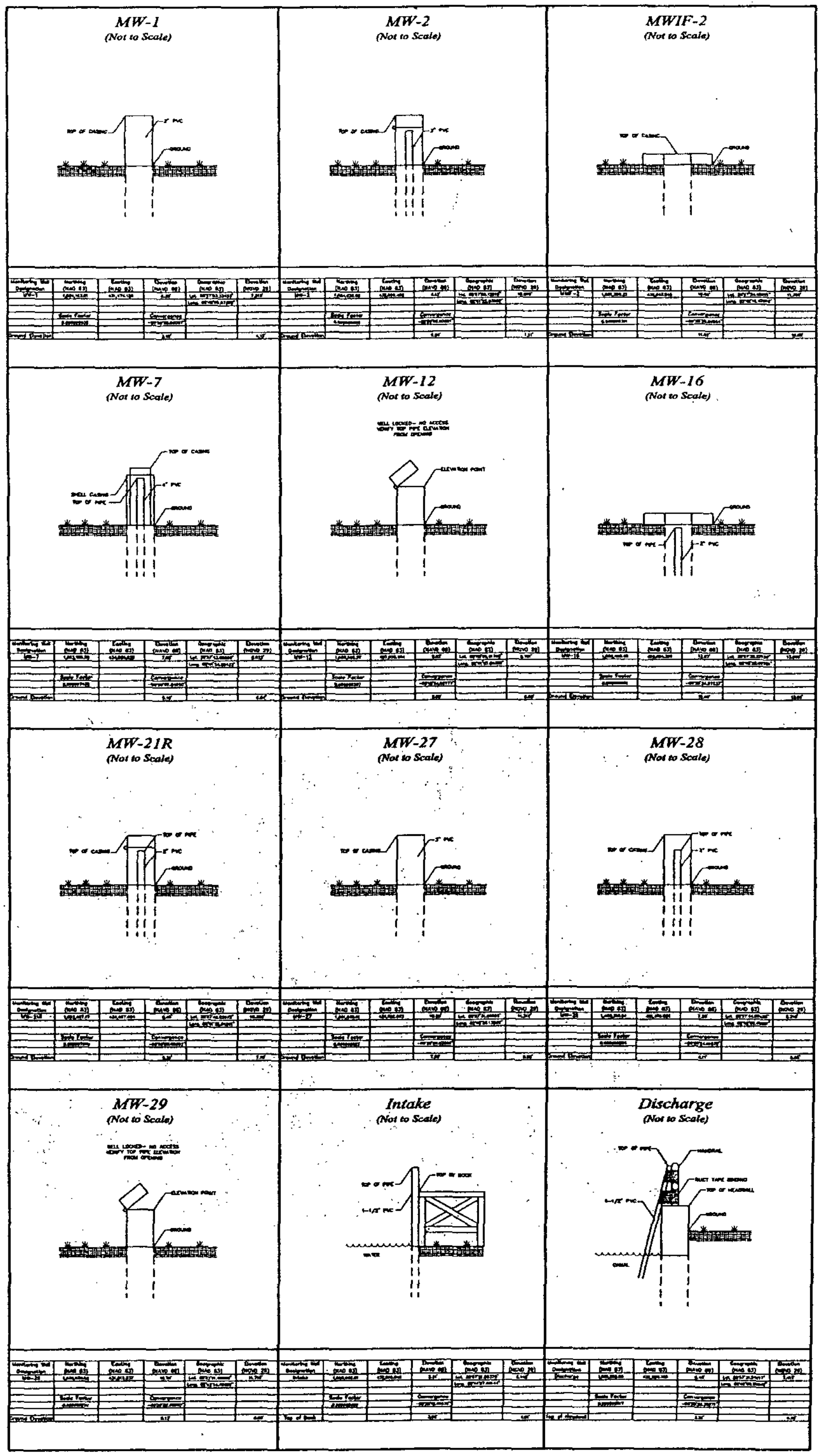
Glenn Price - Surveying
& Mapping, Inc.
37742 Martin Luther King Boulevard
Dade City, Florida. 33523
Phone (352) 521-0441 & Fax (352) 521-0431

date of field work: 11-13-06

Revision	Date	Approved

Progress Energy Florida - Crystal River Power Plant

Section 28, 32 & 33, Township 17 South, Range 16 East
Citrus County, Florida



SEC: 33	TWP: 17S	RNG: 16E

PROJECT NO.: 06097A01_IN
DRAWN BY: JAO
DATE: 11/14/06
CHECKED BY: GAP
DATE: 11/14/06
SCALE: N/A
SHEET 1 OF 3

Specific Purpose Survey

EnHydro, LLC

15760 W Power Line Street
Crystal River, Florida

GPS

Glenn Price - Surveying & Mapping, Inc.

37743 Martin Luther King Boulevard
Dade City, Florida, 33523
Phone (352) 521-0442 & Fax (352) 521-0431

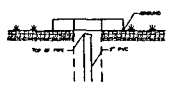
date of field work: 11-13-06

Revision	Date	Approved

Progress Energy Florida - Crystal River Power Plant

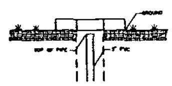
Section 28, 32 & 33, Township 17 South, Range 16 East
Citrus County, Florida

CR-3-1D
(Not to Scale)



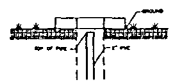
Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
CR-3-1D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Scale Factor		Convergence		
	[illegible]		[illegible]		
Ground Elevation			[illegible]		[illegible]

CR-3-1S
(Not to Scale)



Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
CR-3-1S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Scale Factor		Convergence		
	[illegible]		[illegible]		
Ground Elevation			[illegible]		[illegible]

CR-3-2
(Not to Scale)



Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
CR-3-2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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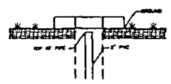
Ground Elevation			[illegible]		[illegible]

CR-3D
(Not to Scale)



Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
CR-3D	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Scale Factor		Convergence		
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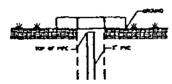
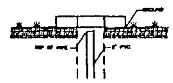
Ground Elevation			[illegible]		[illegible]

CR-3S
(Not to Scale)



Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Scale Factor		Convergence		
	[illegible]		[illegible]		
Ground Elevation			[illegible]		[illegible]

CR-3-4
(Not to Scale)



Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
CR-3-4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Scale Factor		Convergence		
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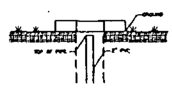
Ground Elevation			[illegible]		[illegible]

CR-3-5
(Not to Scale)



Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
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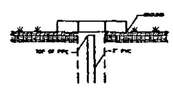
	Scale Factor		Convergence		
	[illegible]		[illegible]		
Ground Elevation			[illegible]		[illegible]

CR-3-6A
(Not to Scale)



Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
CR-3-6A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Scale Factor		Convergence		
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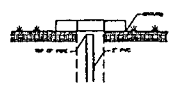
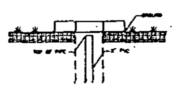
Ground Elevation			[illegible]		[illegible]

CR-3-8
(Not to Scale)



Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
CR-3-8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Scale Factor		Convergence		
	[illegible]		[illegible]		
Ground Elevation			[illegible]		[illegible]

CR-3-9
(Not to Scale)



Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
CR-3-9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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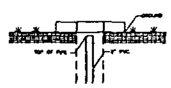
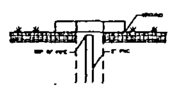
	[illegible]		[illegible]		
Ground Elevation			[illegible]		[illegible]

CR-3-10
(Not to Scale)



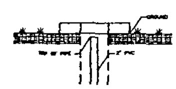
Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
CR-3-10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Scale Factor		Convergence		
	[illegible]		[illegible]		
Ground Elevation			[illegible]		[illegible]

CR-3-6B
(Not to Scale)



Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
CR-3-6B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Scale Factor		Convergence		
	[illegible]		[illegible]		
Ground Elevation			[illegible]		[illegible]

CR-3-7
(Not to Scale)



Monitoring Well Designation	Northing (NAD 83)	Easting (NAD 83)	Elevation (NAVD 88)	Geographic (NAD 83)	Elevation (NGVD 29)
CR-3-7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Scale Factor		Convergence		
	[illegible]		[illegible]		
Ground Elevation			[illegible]		[illegible]

SHEET	3 OF 3
SCALE:	N/A
DATE:	11/14/06
CHECKED BY:	GAJ
DATE:	11/14/06
DRAWN BY:	JAG
PROJECT NO.:	06097A01_IN
SEC.	33
TWP.	17S
RNG.	16E

Specific Purpose Survey
prepared for
EnHydro, LLC
15760 W Power Line Street
Crystal River, Florida

GPS
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37742 Martin Luther King Boulevard
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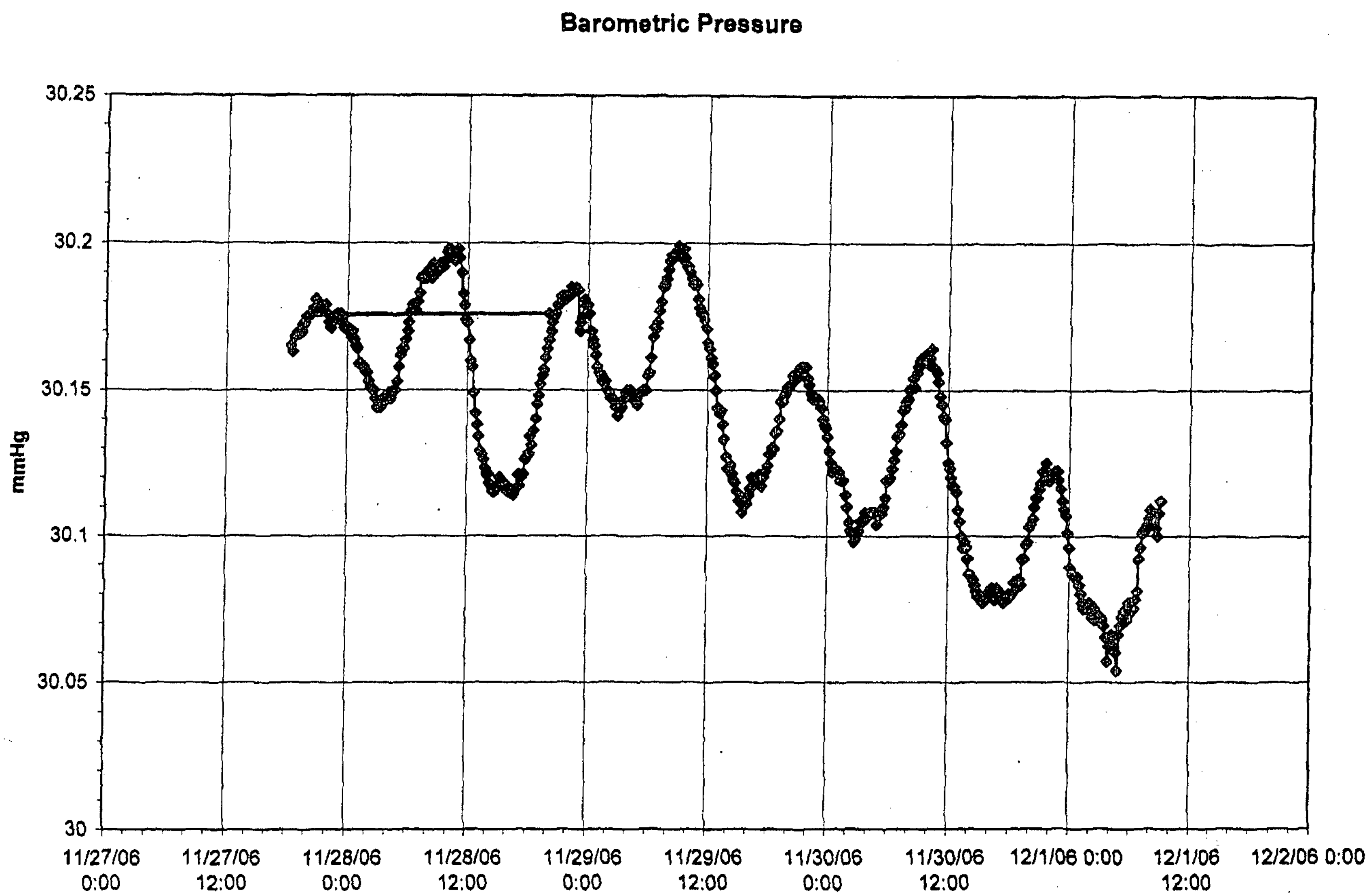
Phone (352) 523-0441 & Fax (352) 523-0431

date of field work: 11-13-06

Revision	Date	Approved


Barometric Pressure
30.25
30.2
30.15
30.1
30.05
30
mmHg
11/27/06 0:00
11/27/06 12:00
11/28/06 0:00
11/28/06 12:00
11/29/06 0:00
11/29/06 12:00
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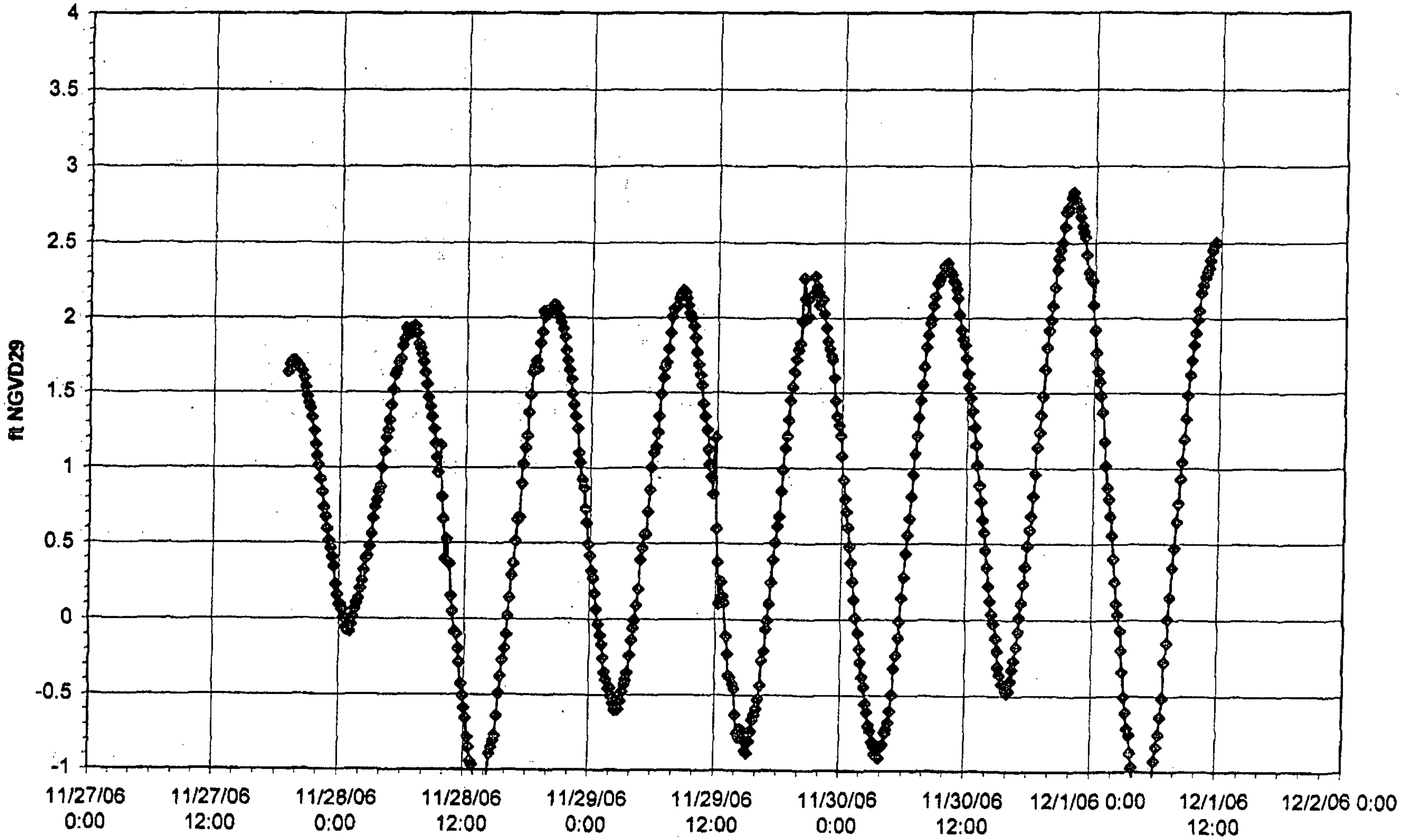
12/2/06 0:00

INTAKE



4
3.5
3
2.5
2
1.5
1
0.5
0
-0.5
-1
ft NGVD29
11/27/06 0:00
11/27/06 12:00
11/28/06 0:00
11/28/06 12:00
11/29/06 0:00
11/29/06 12:00
11/30/06 0:00
11/30/06 12:00
12/1/06 0:00
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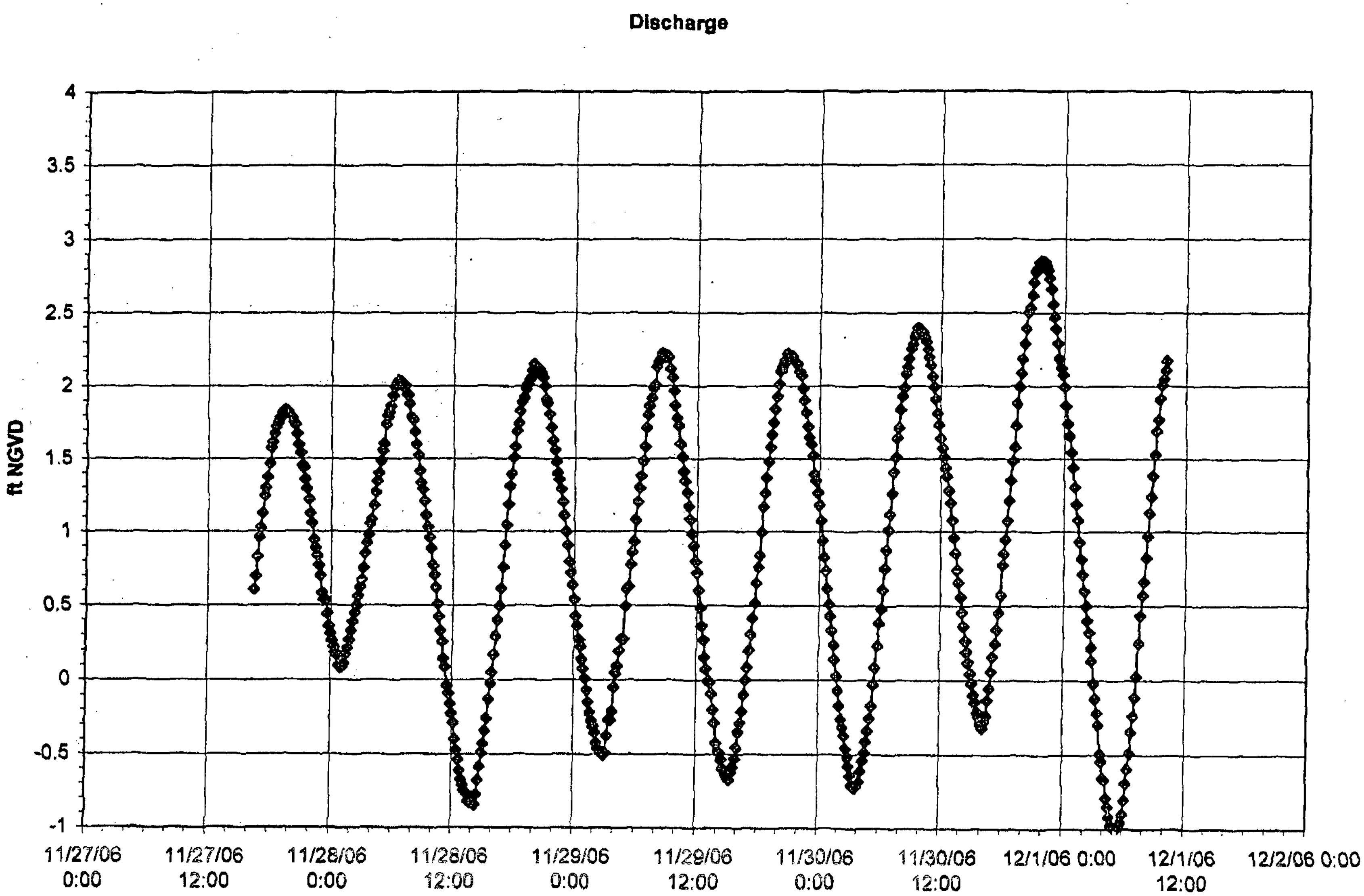
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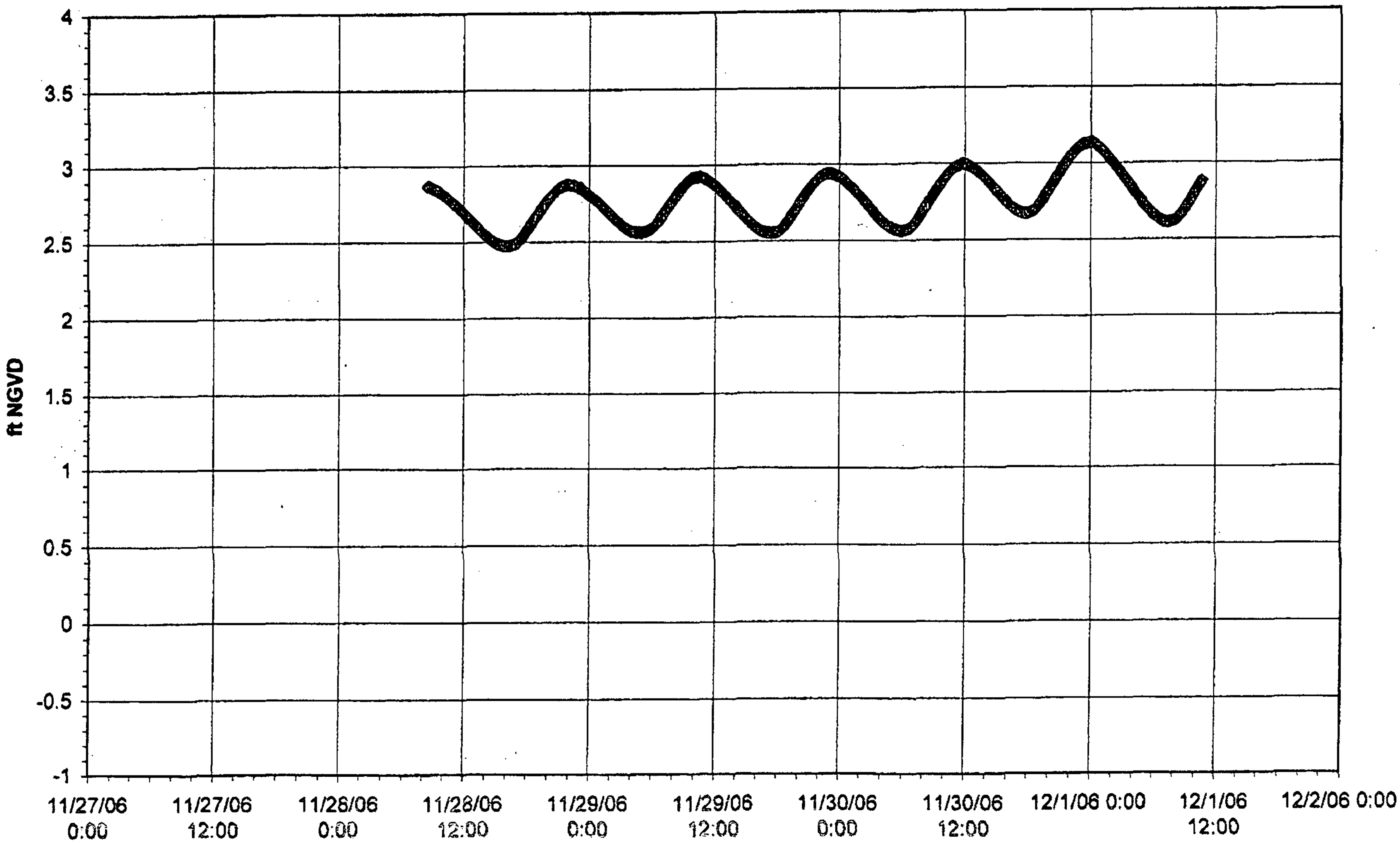

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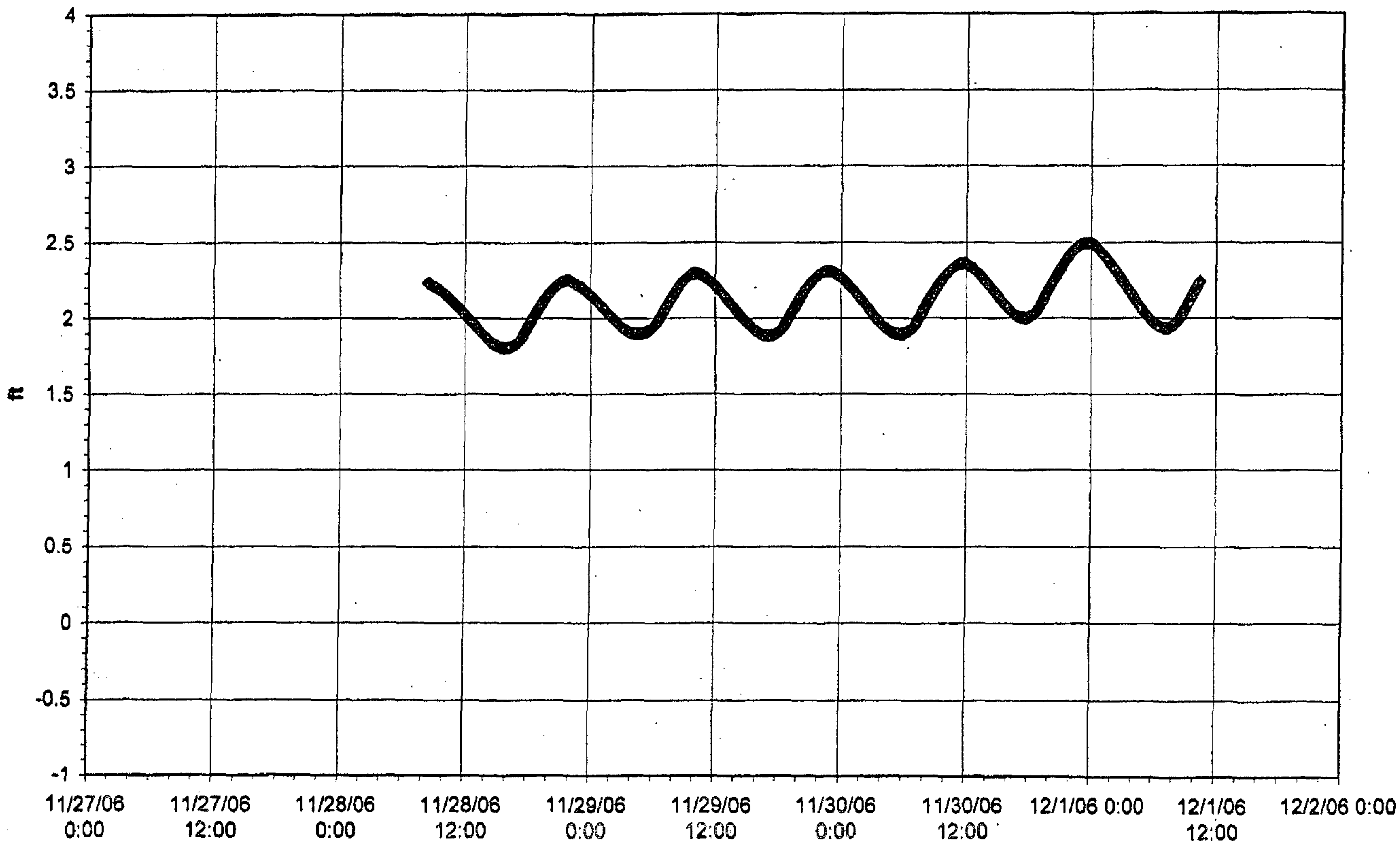

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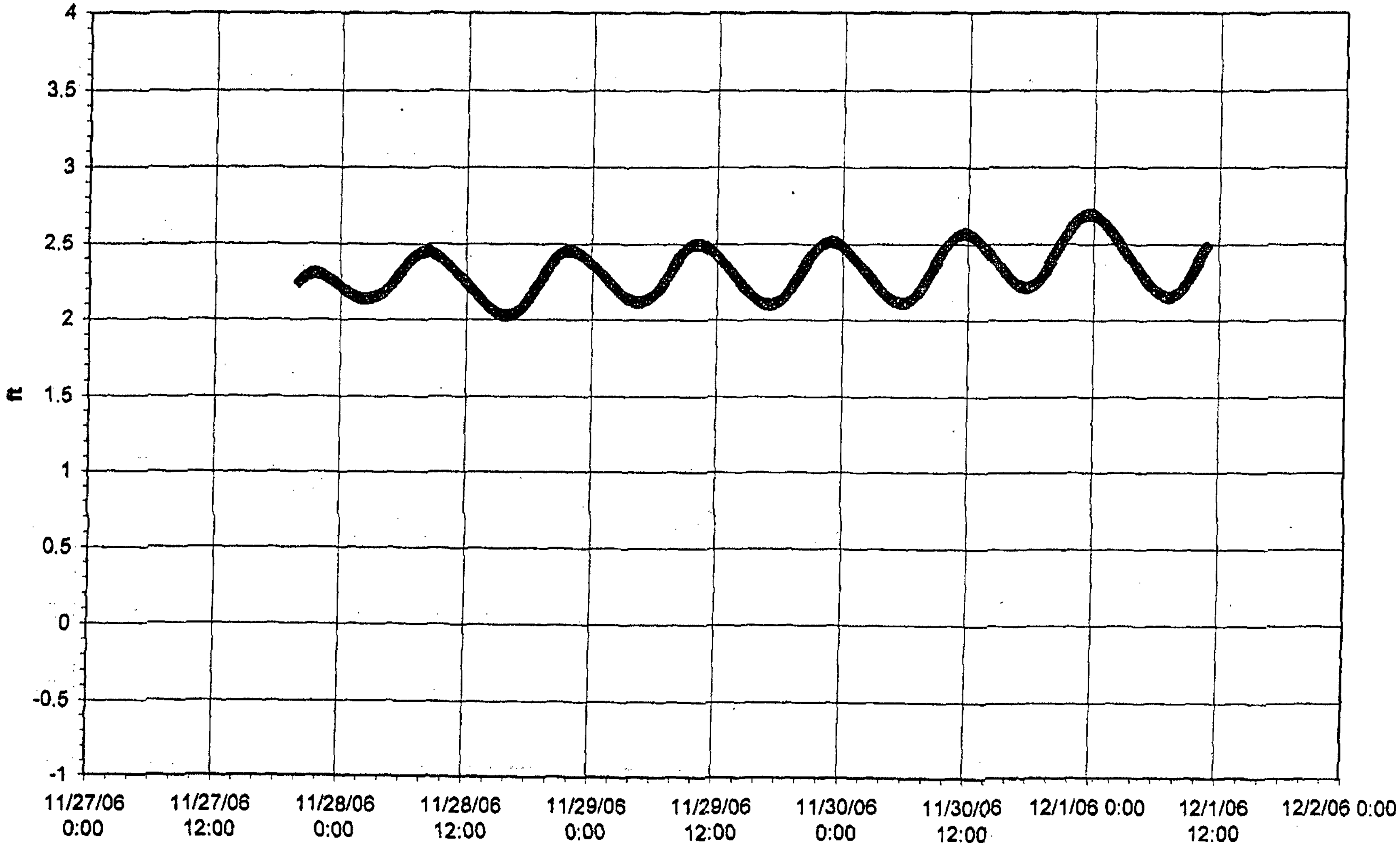

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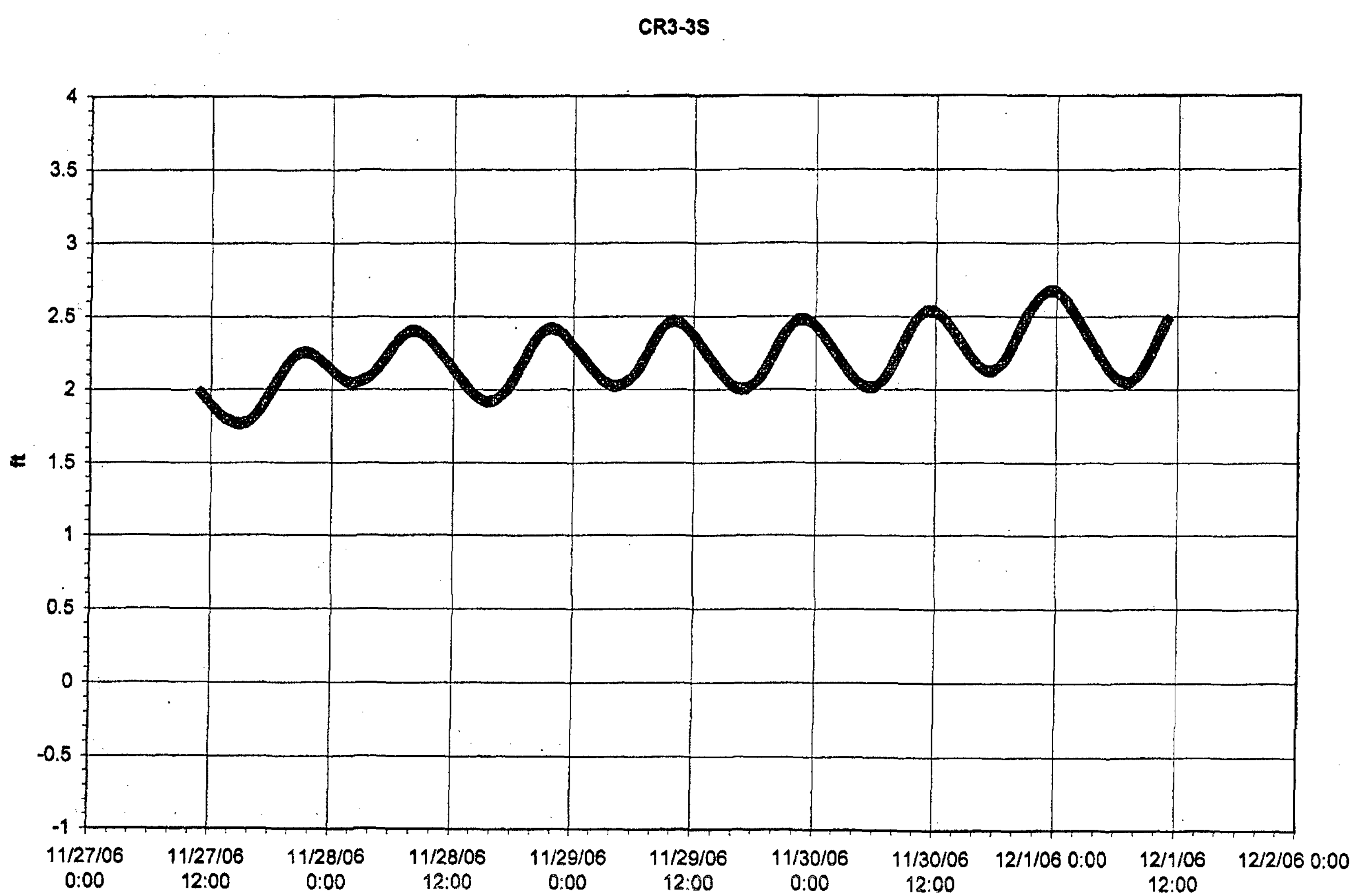
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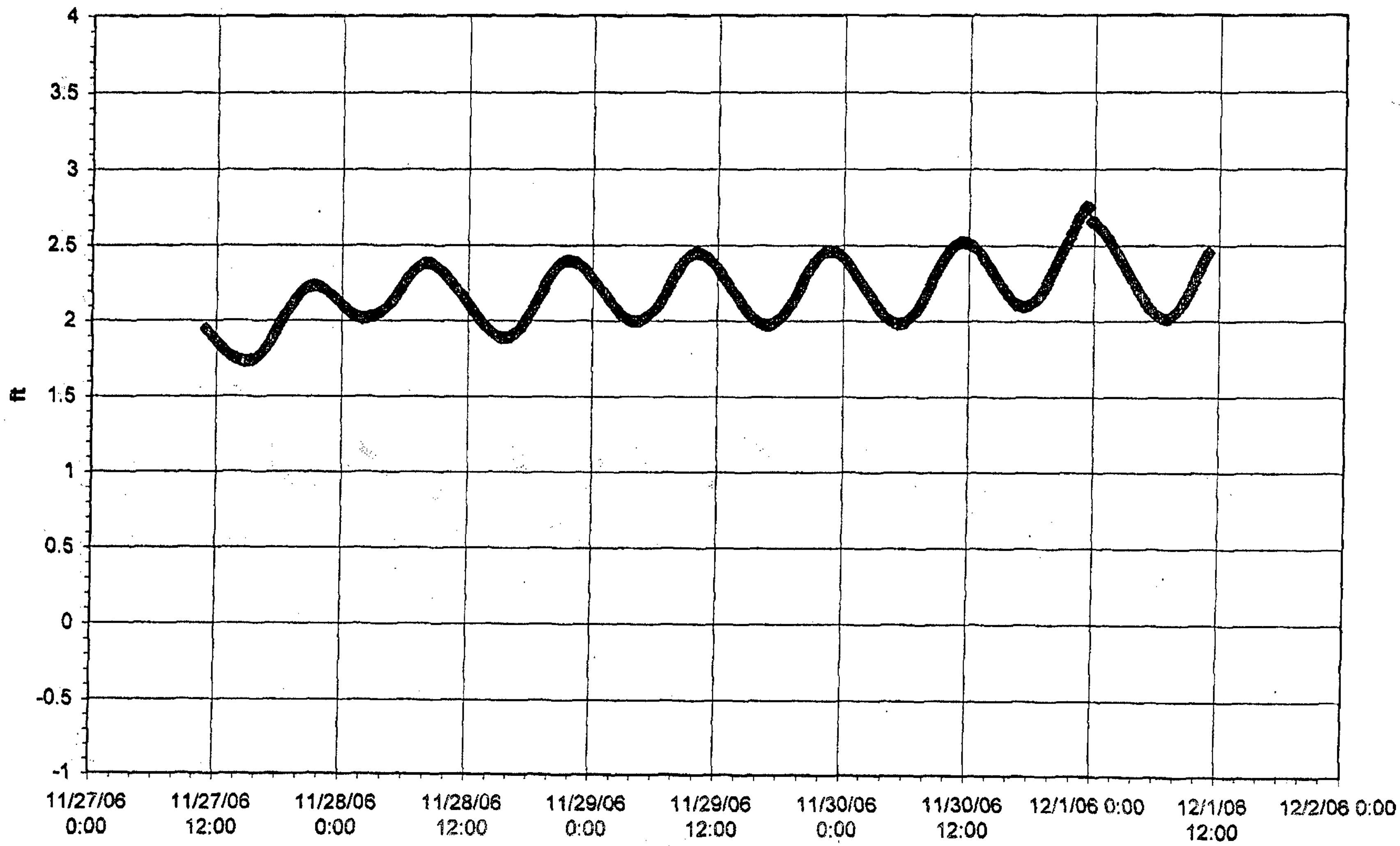
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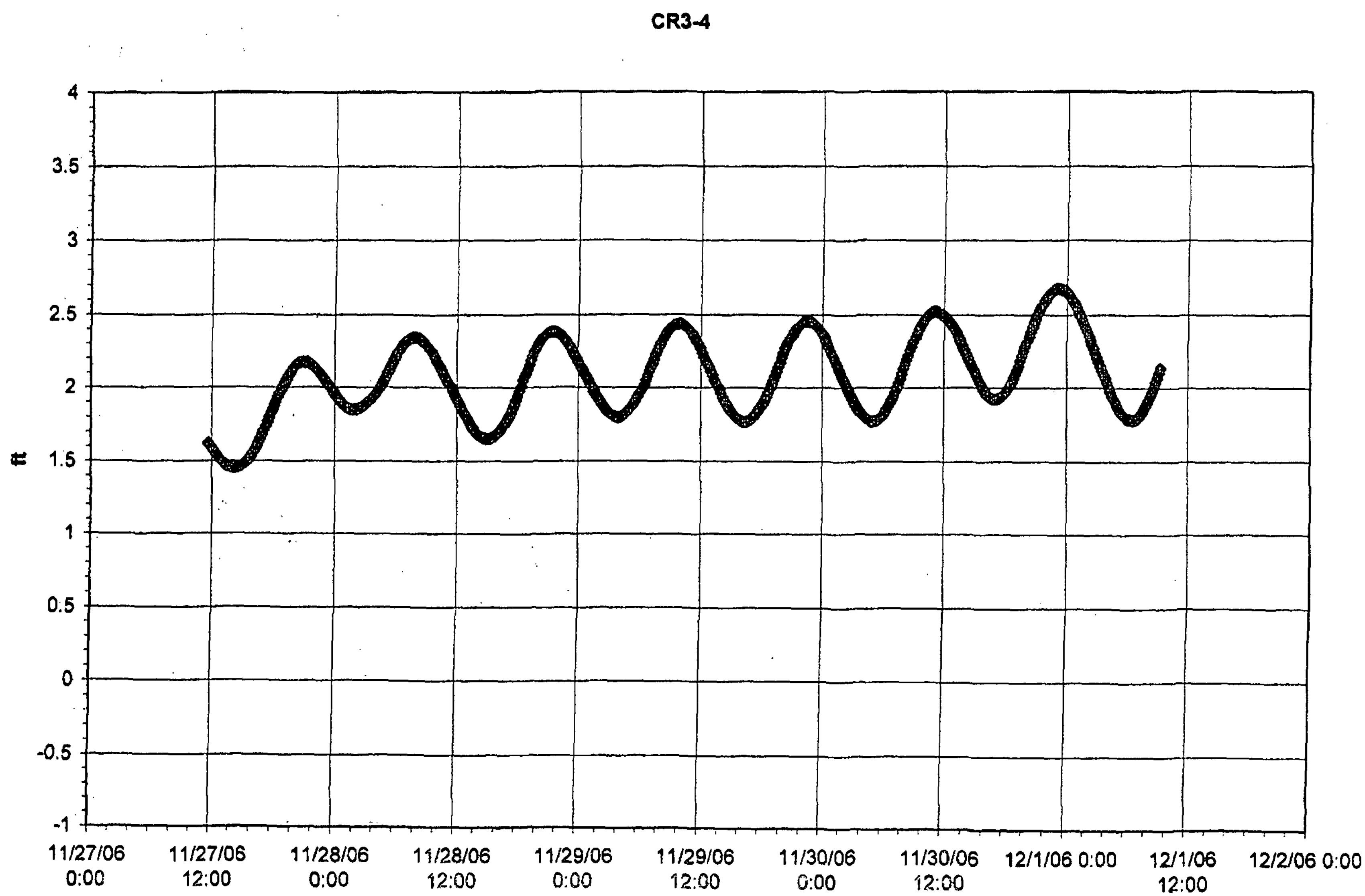
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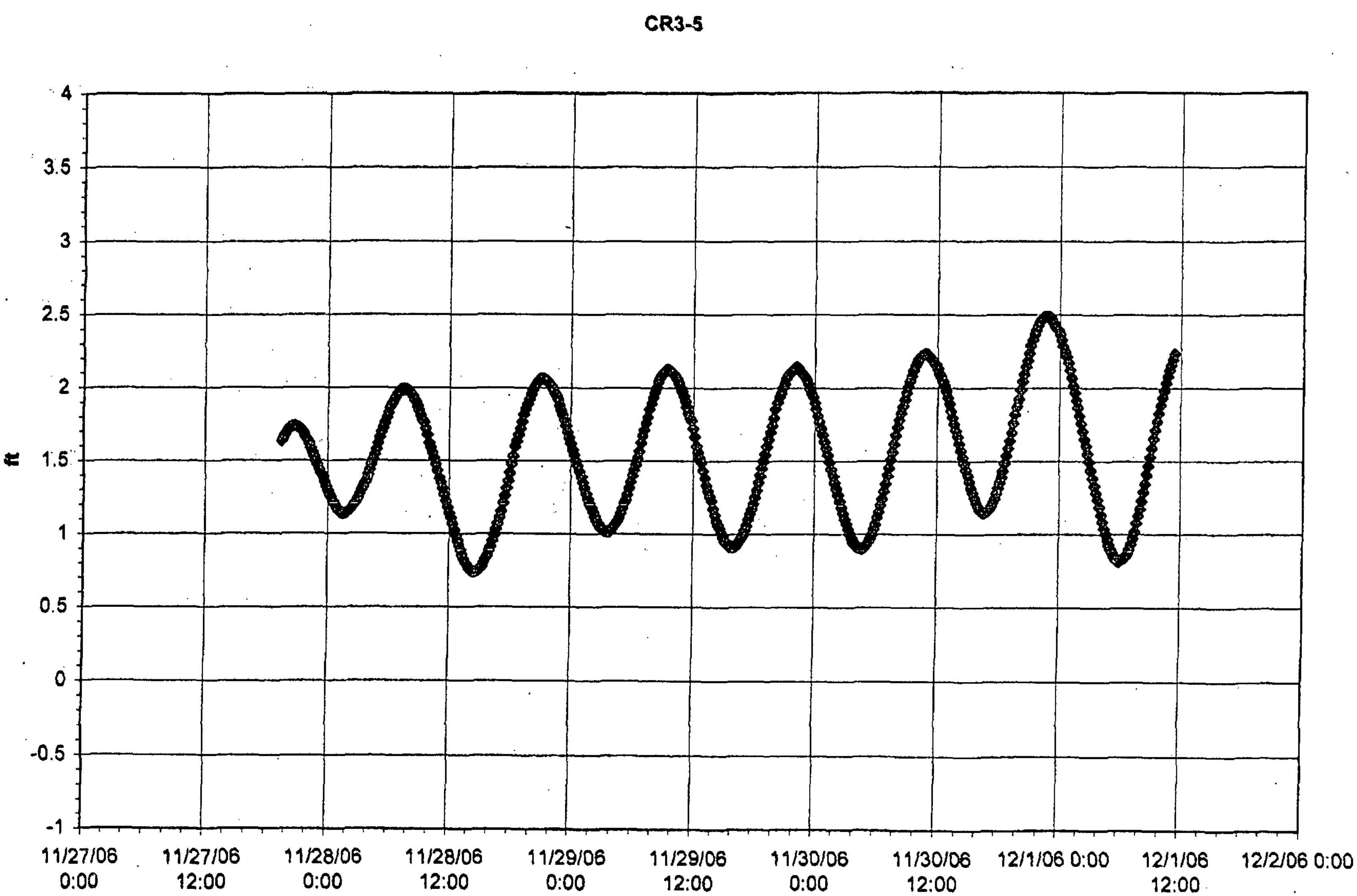
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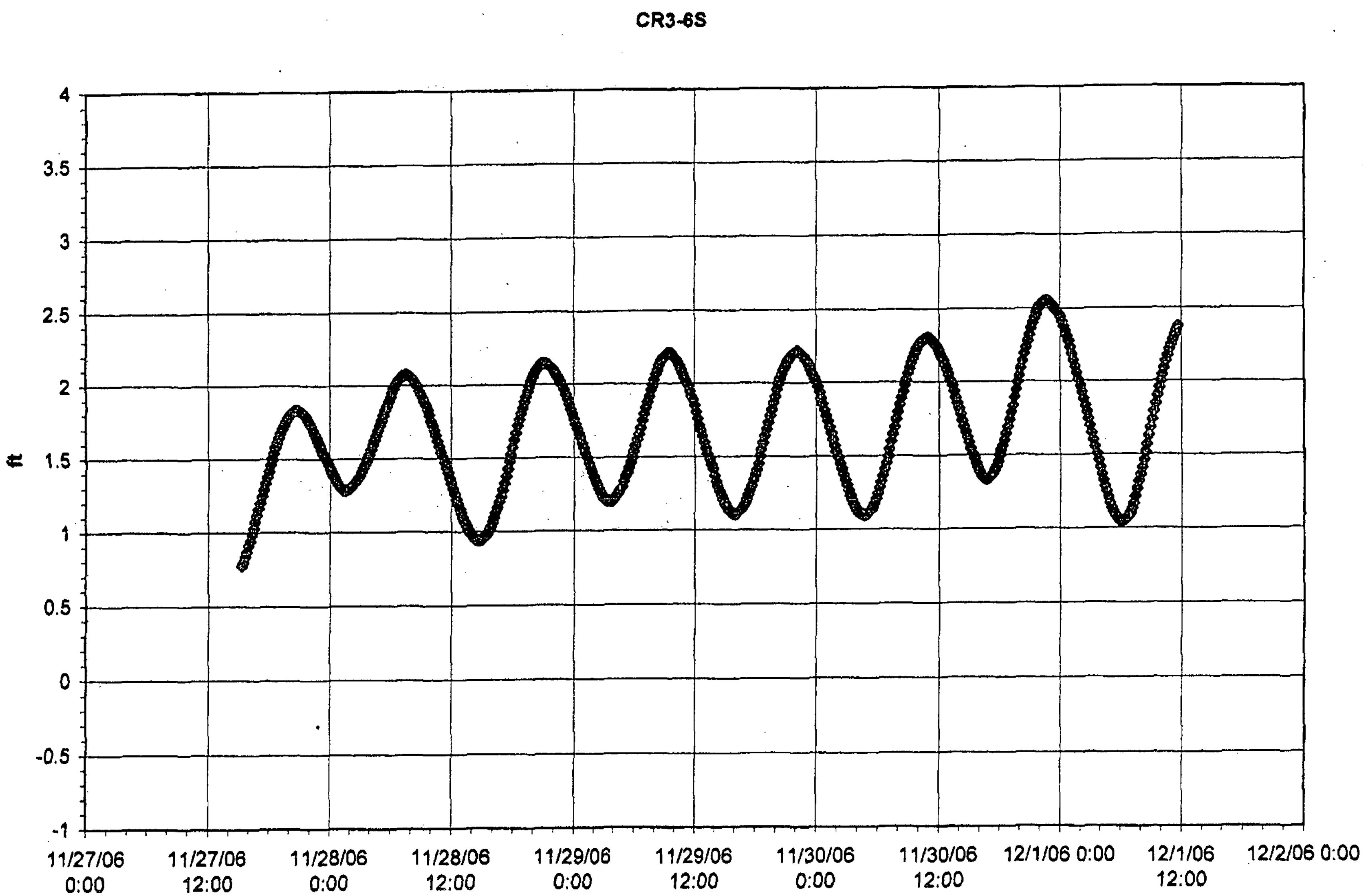
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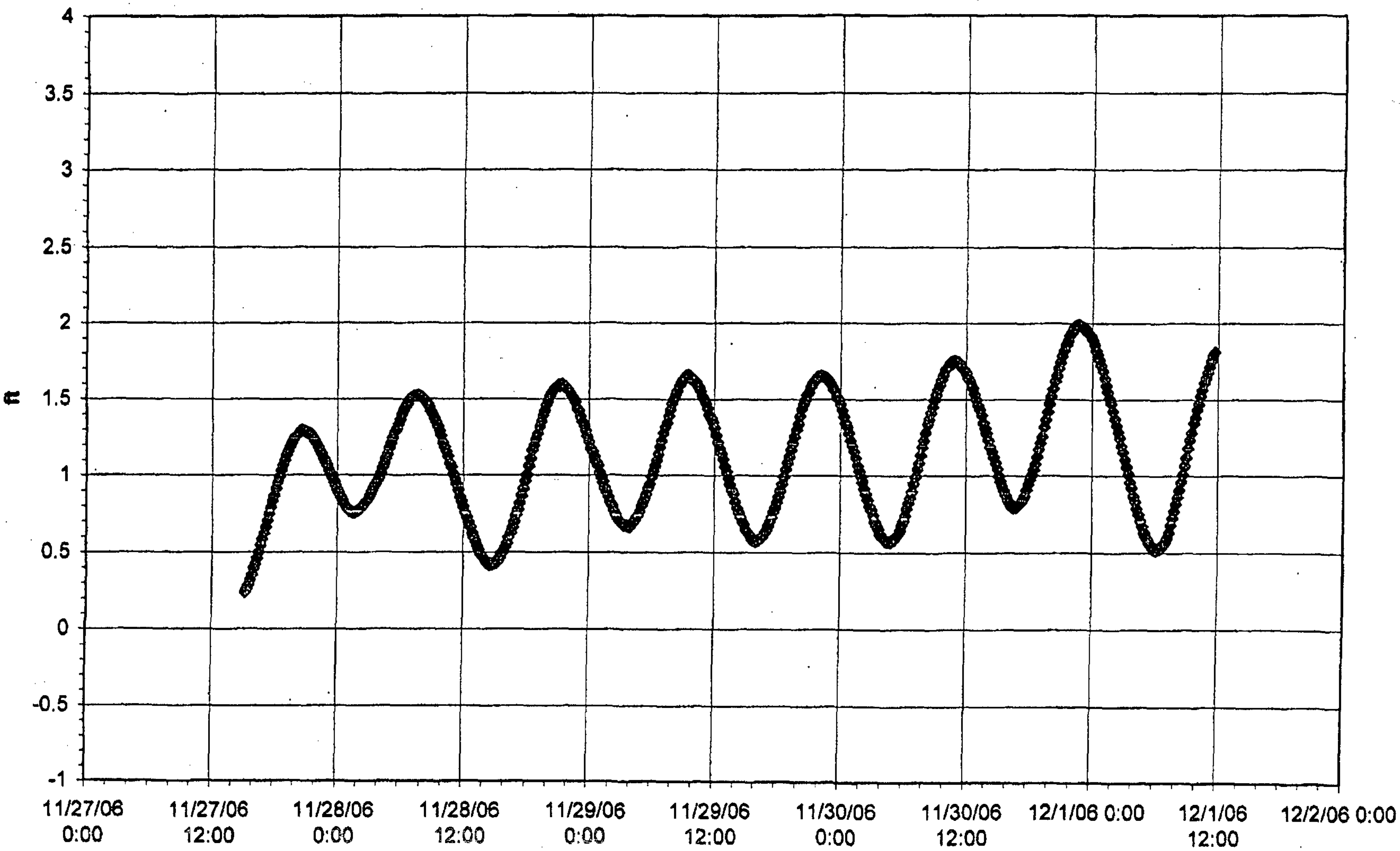
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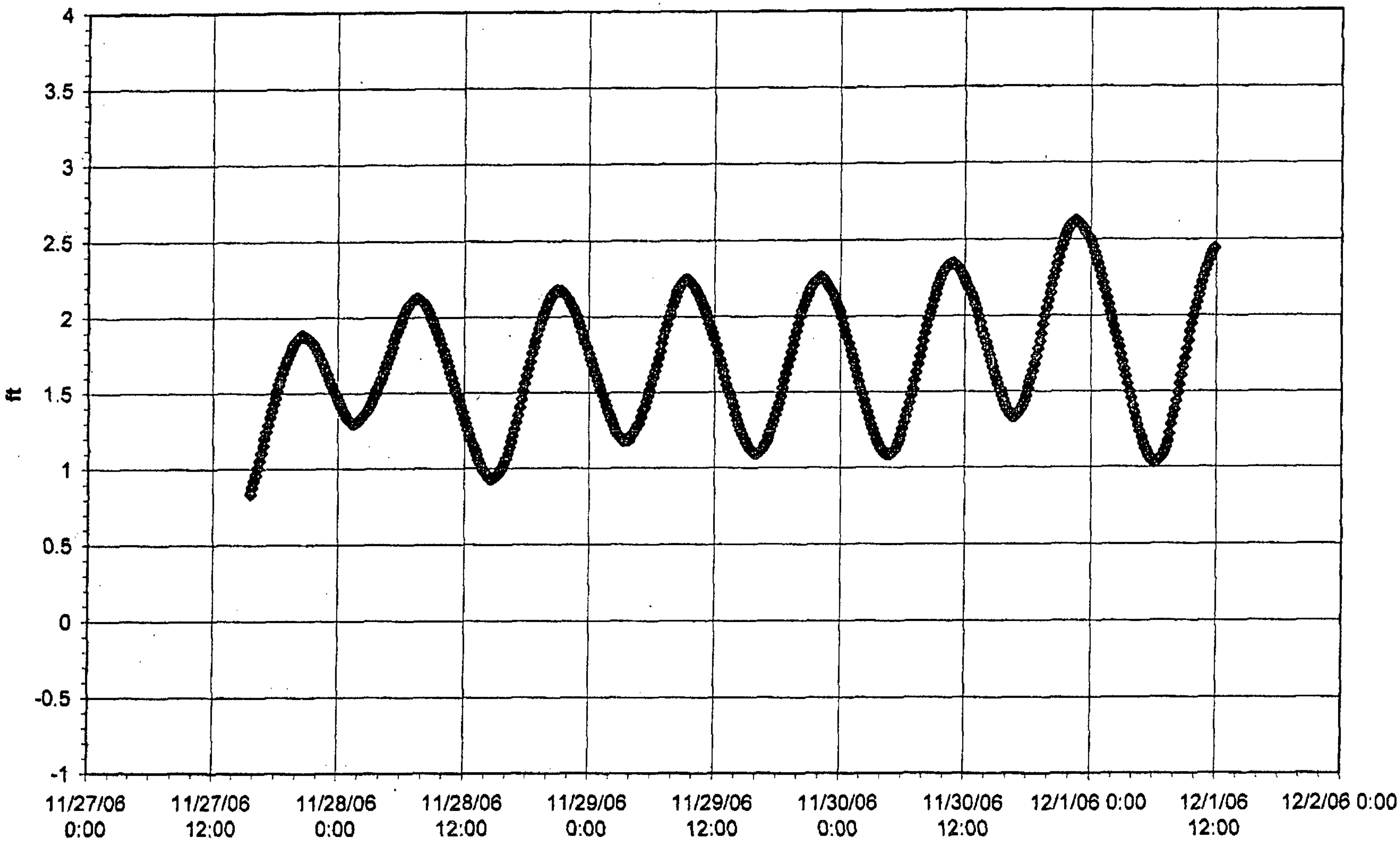
CR3-7



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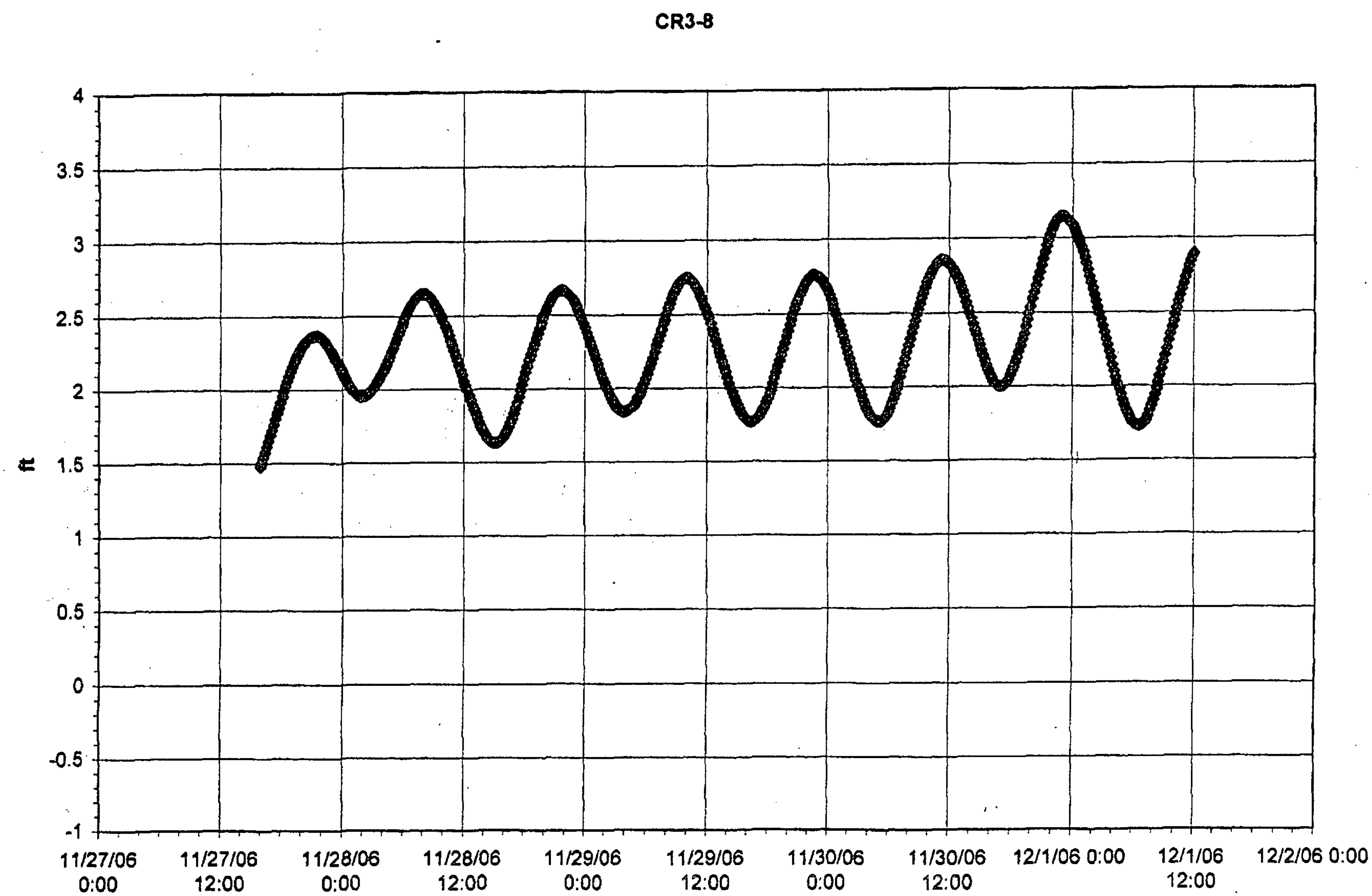

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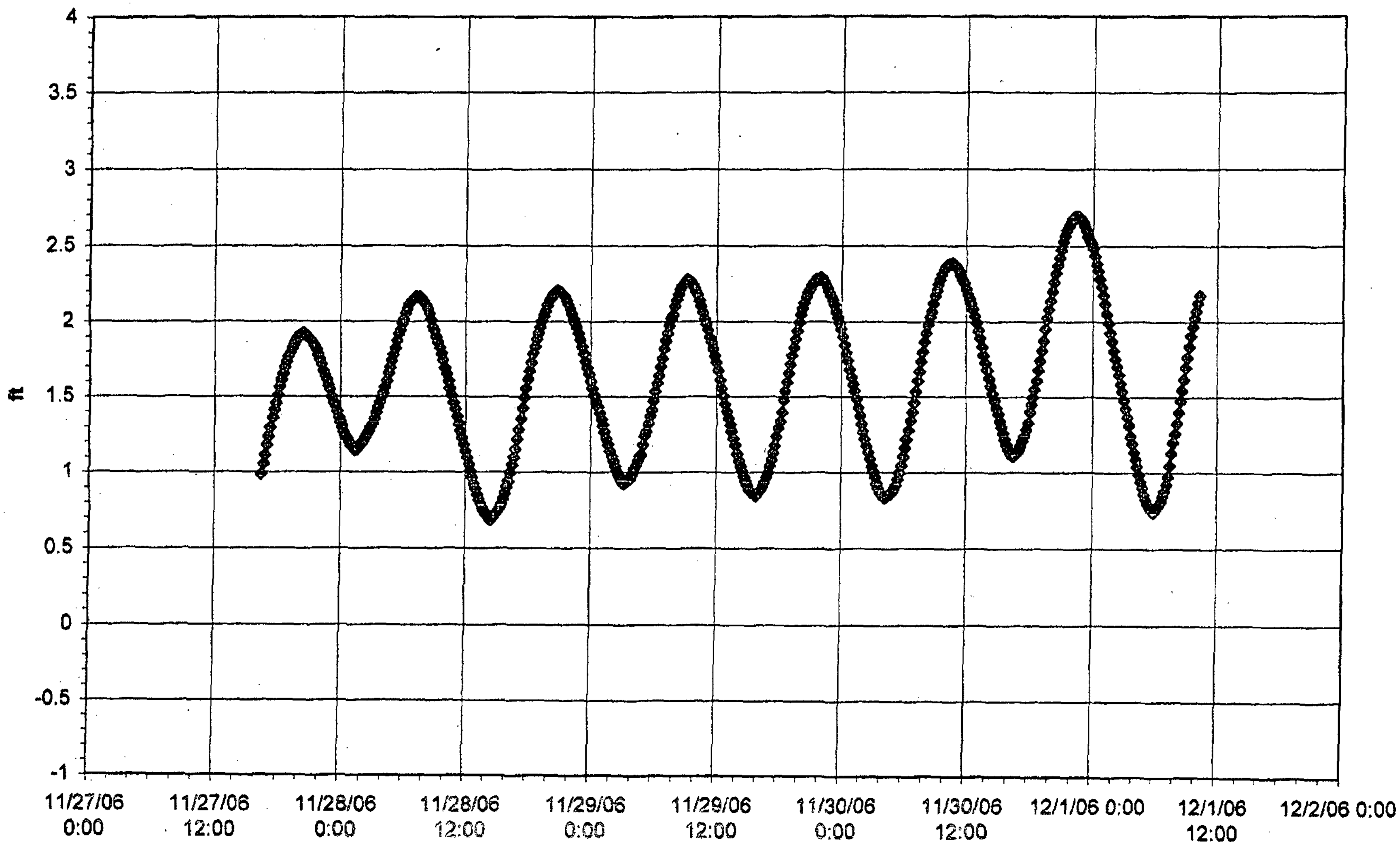
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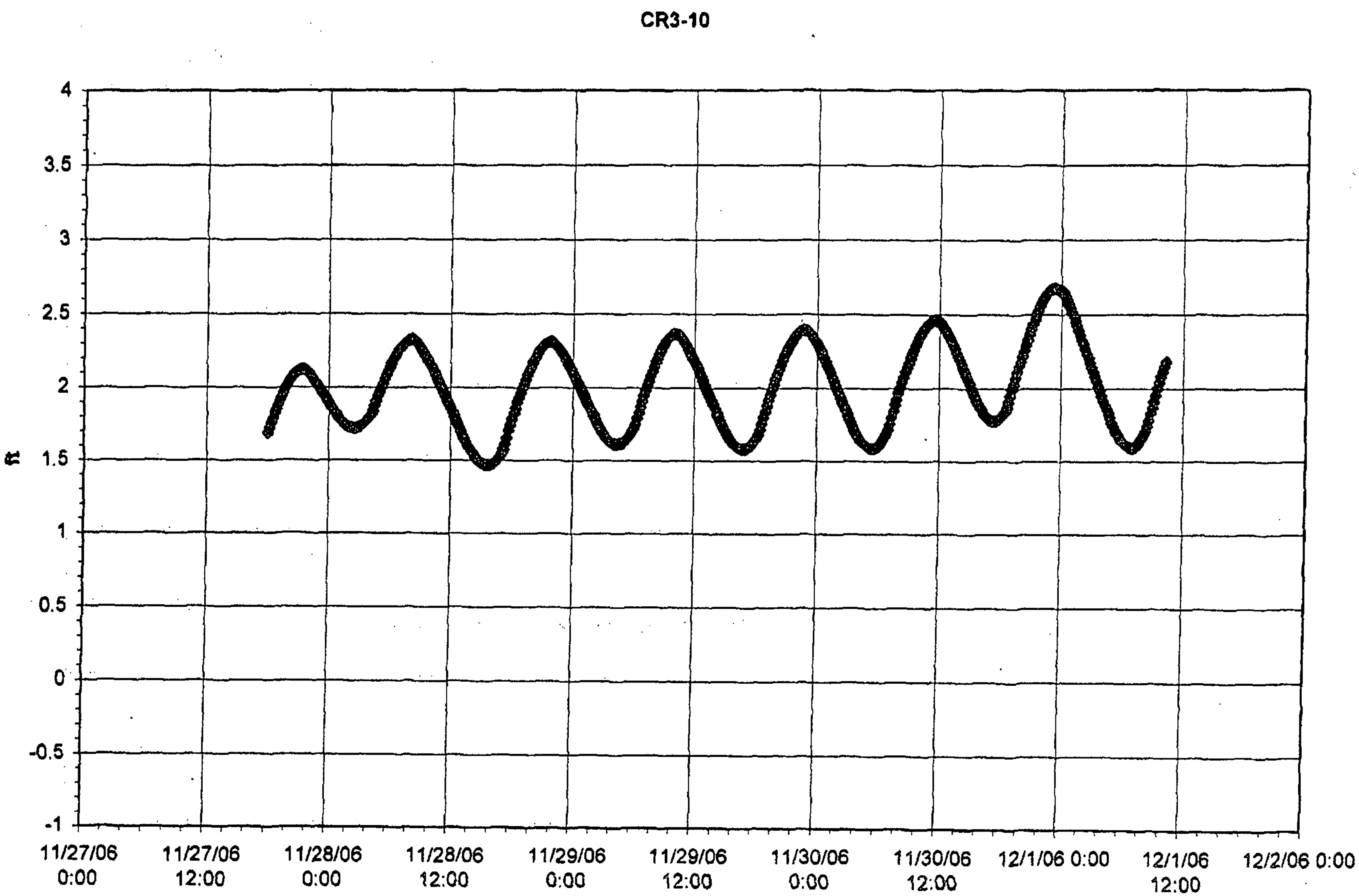
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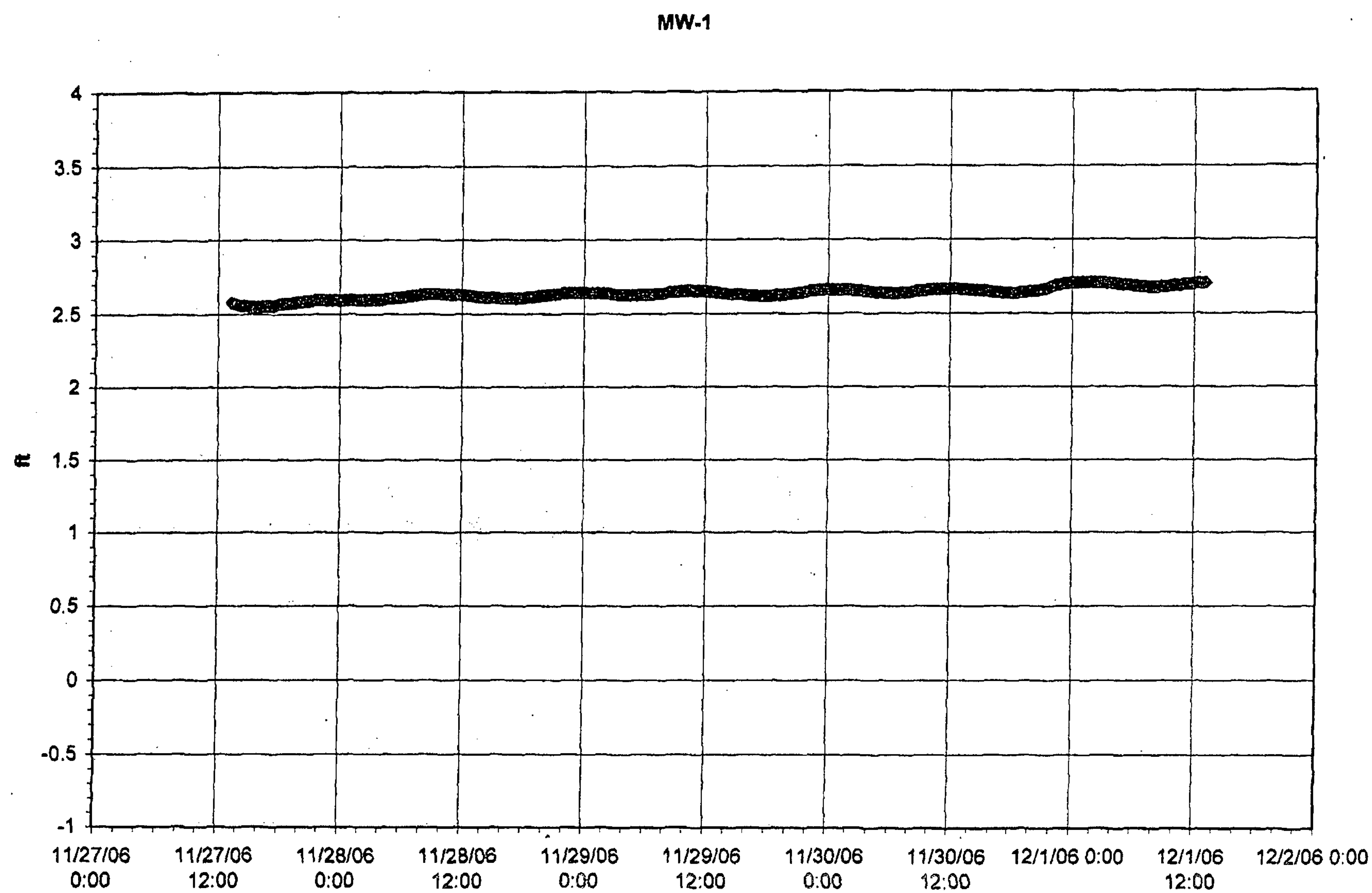

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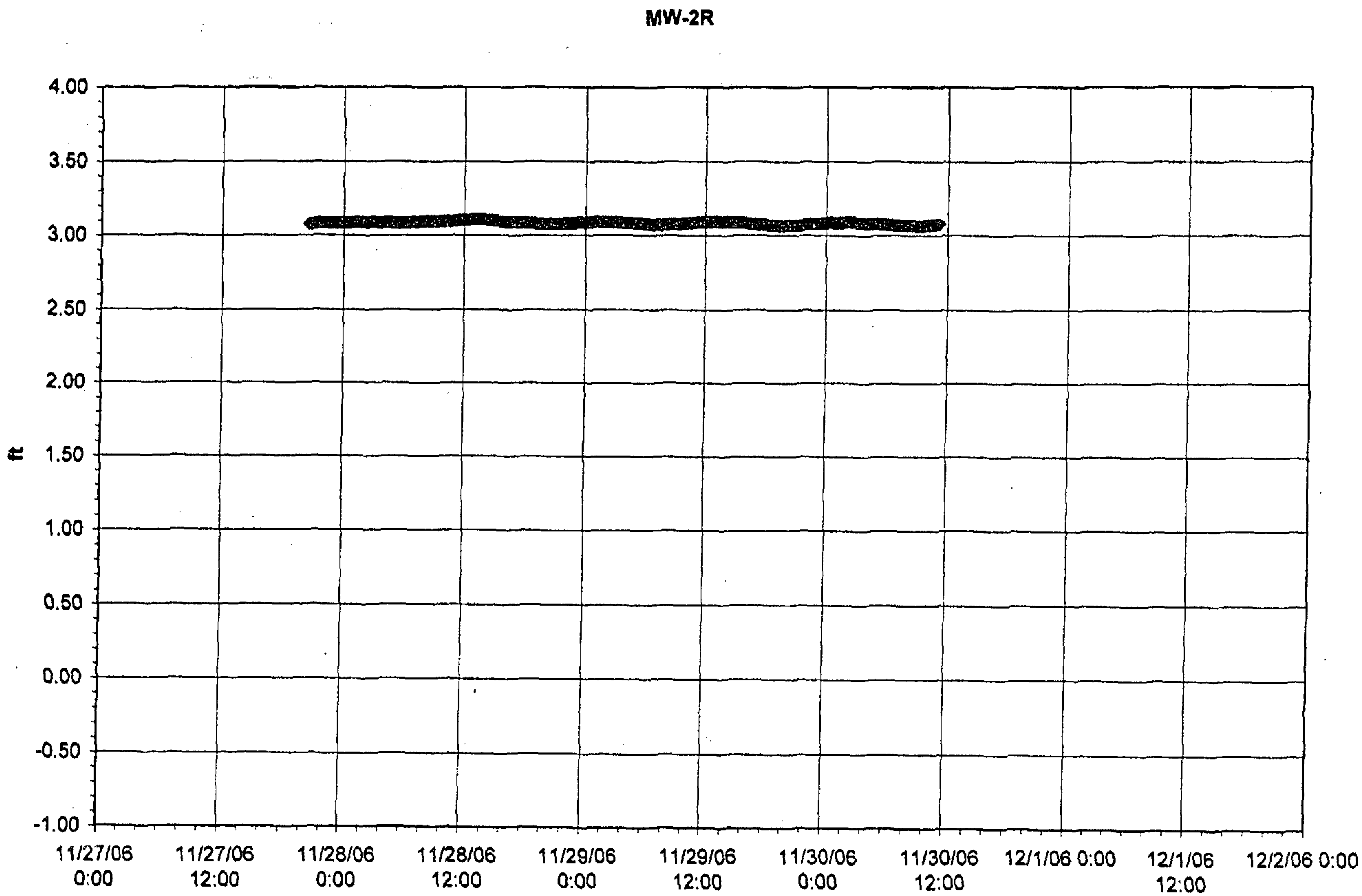
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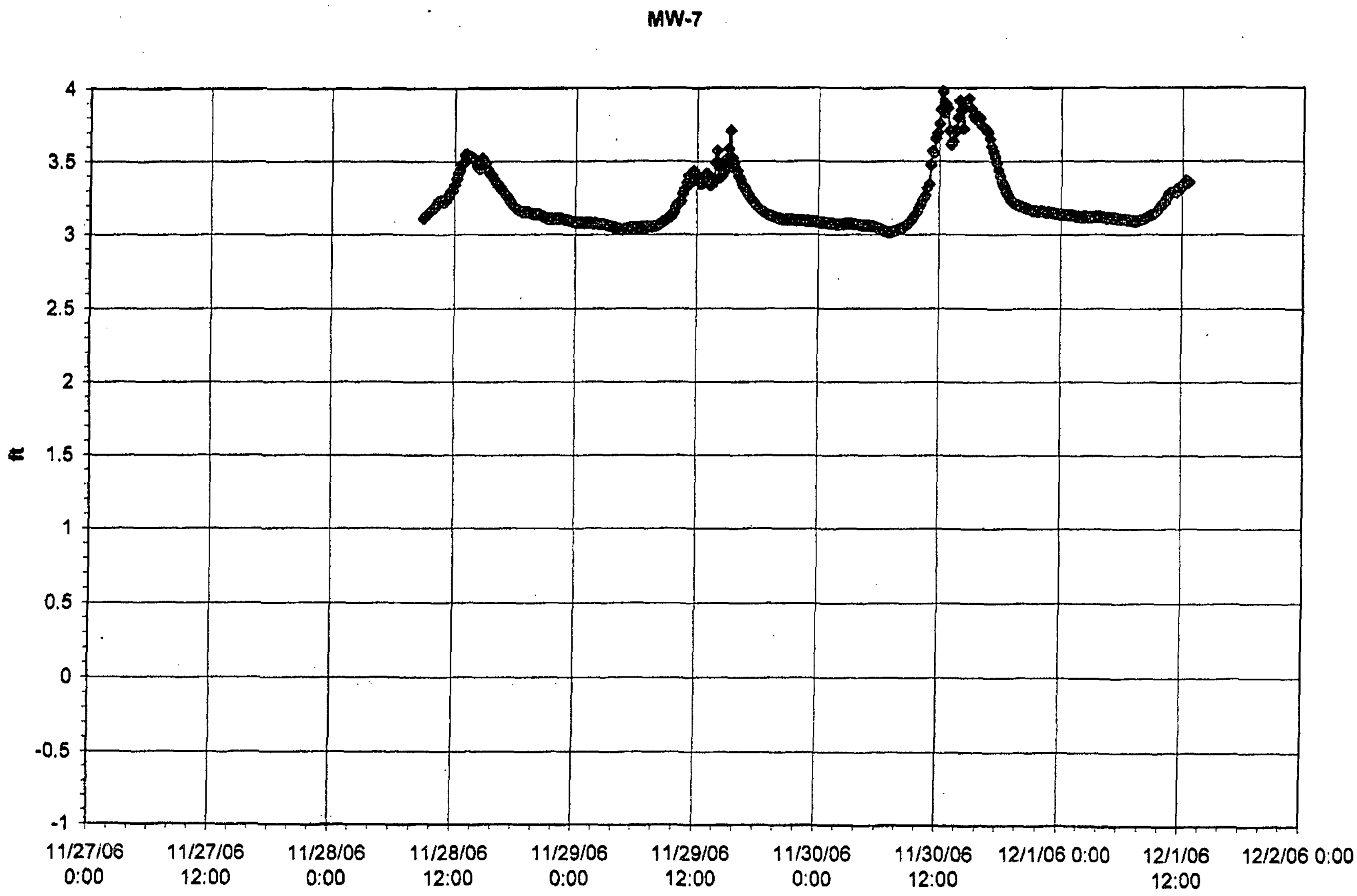
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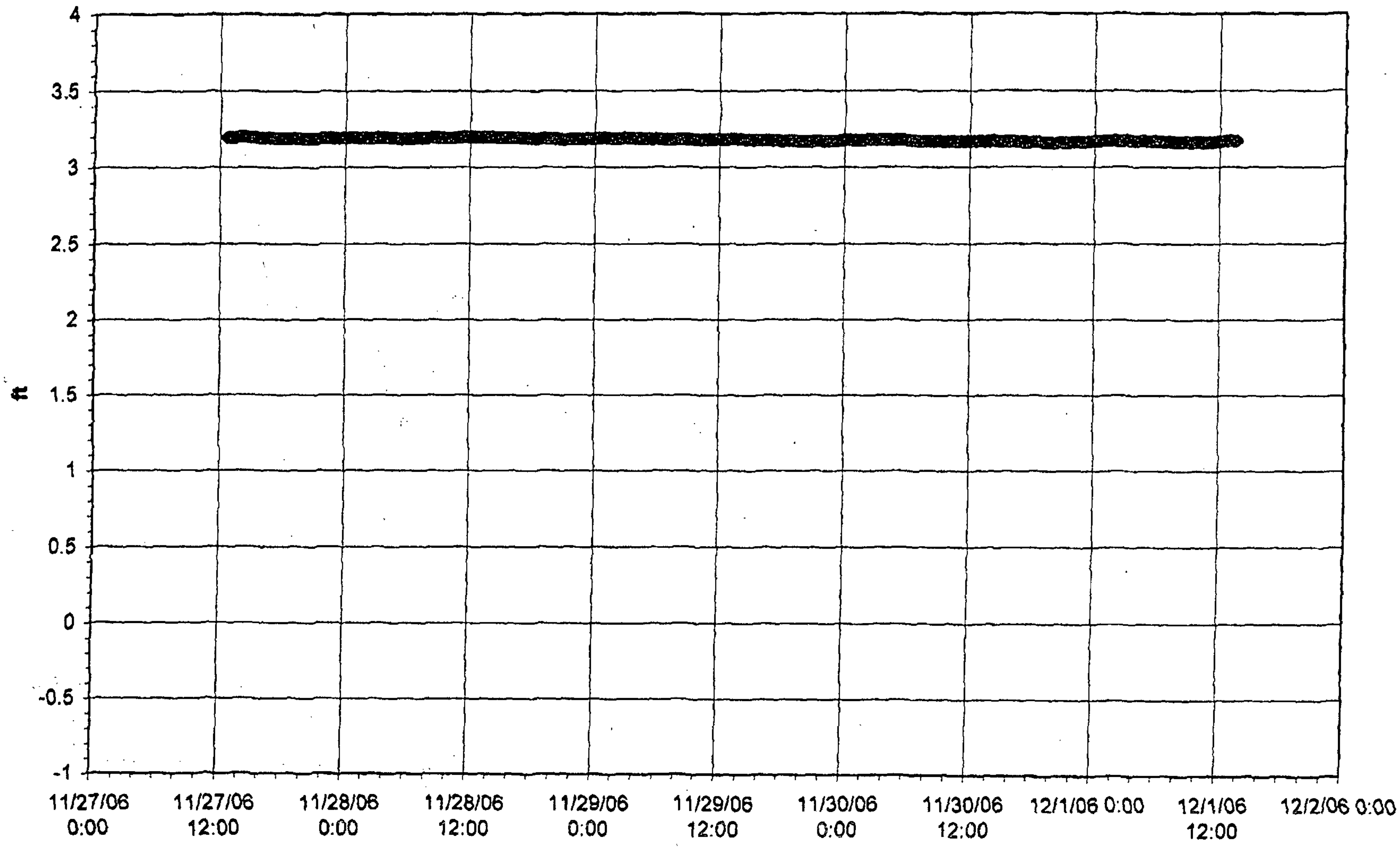

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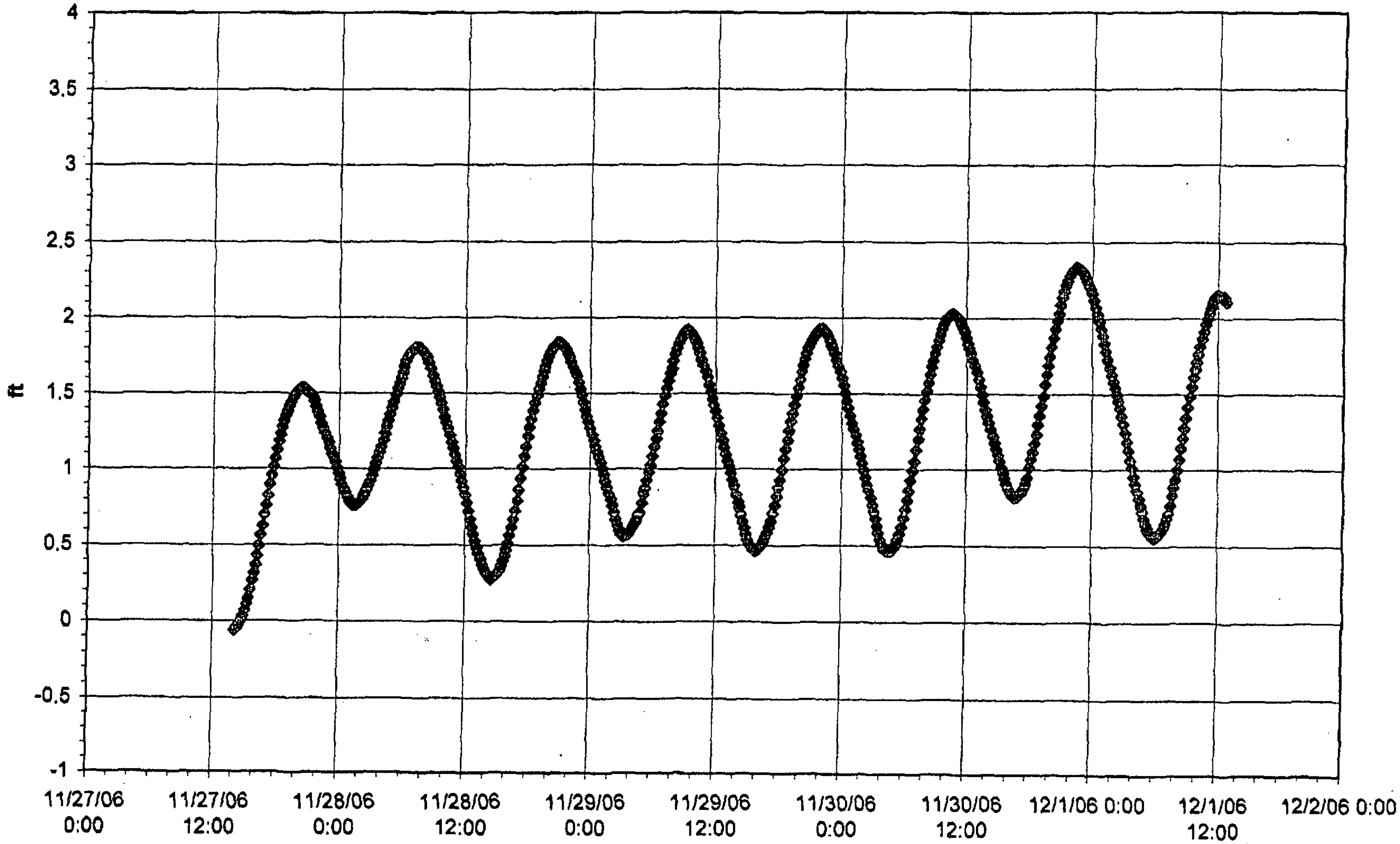

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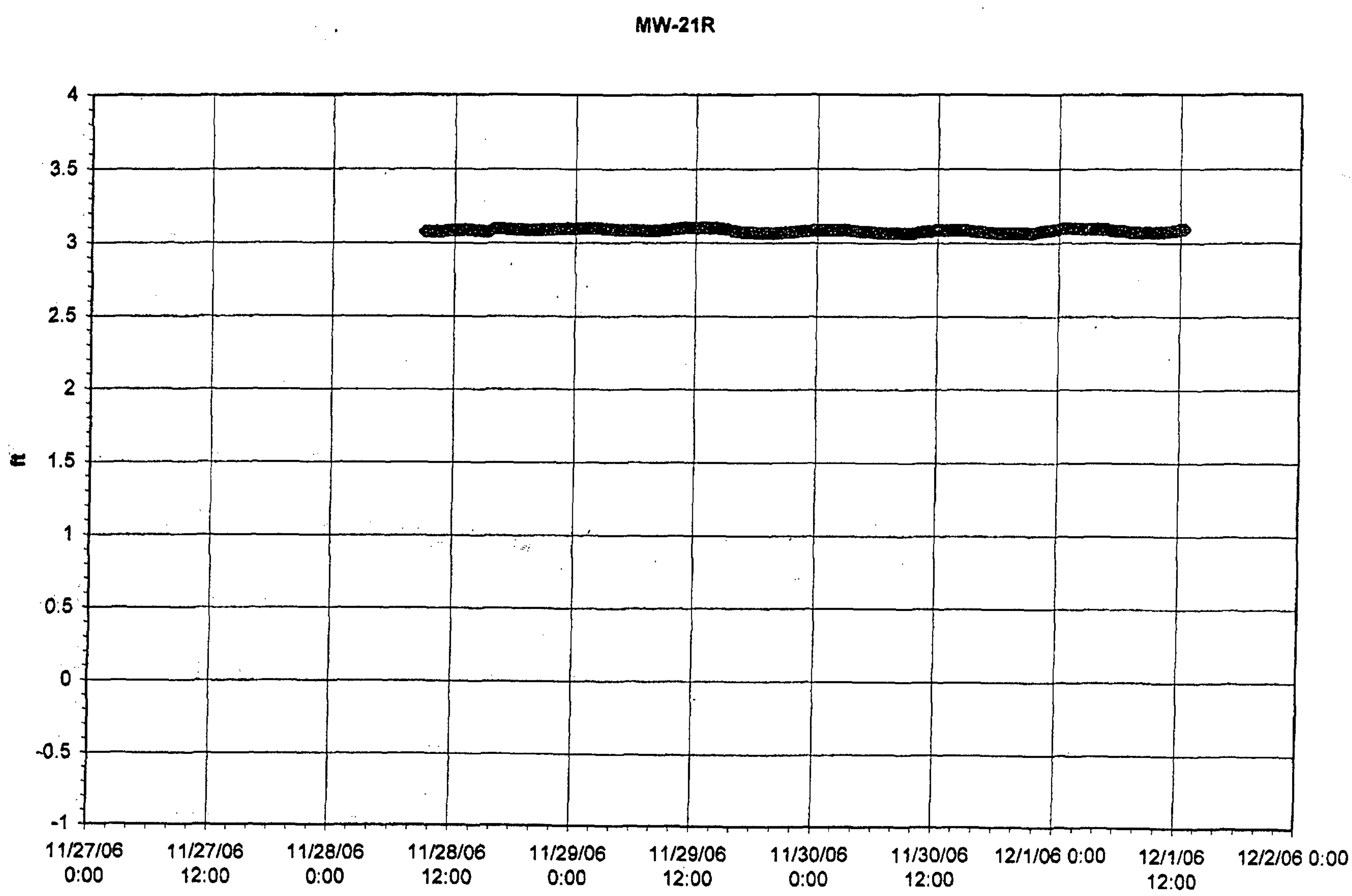
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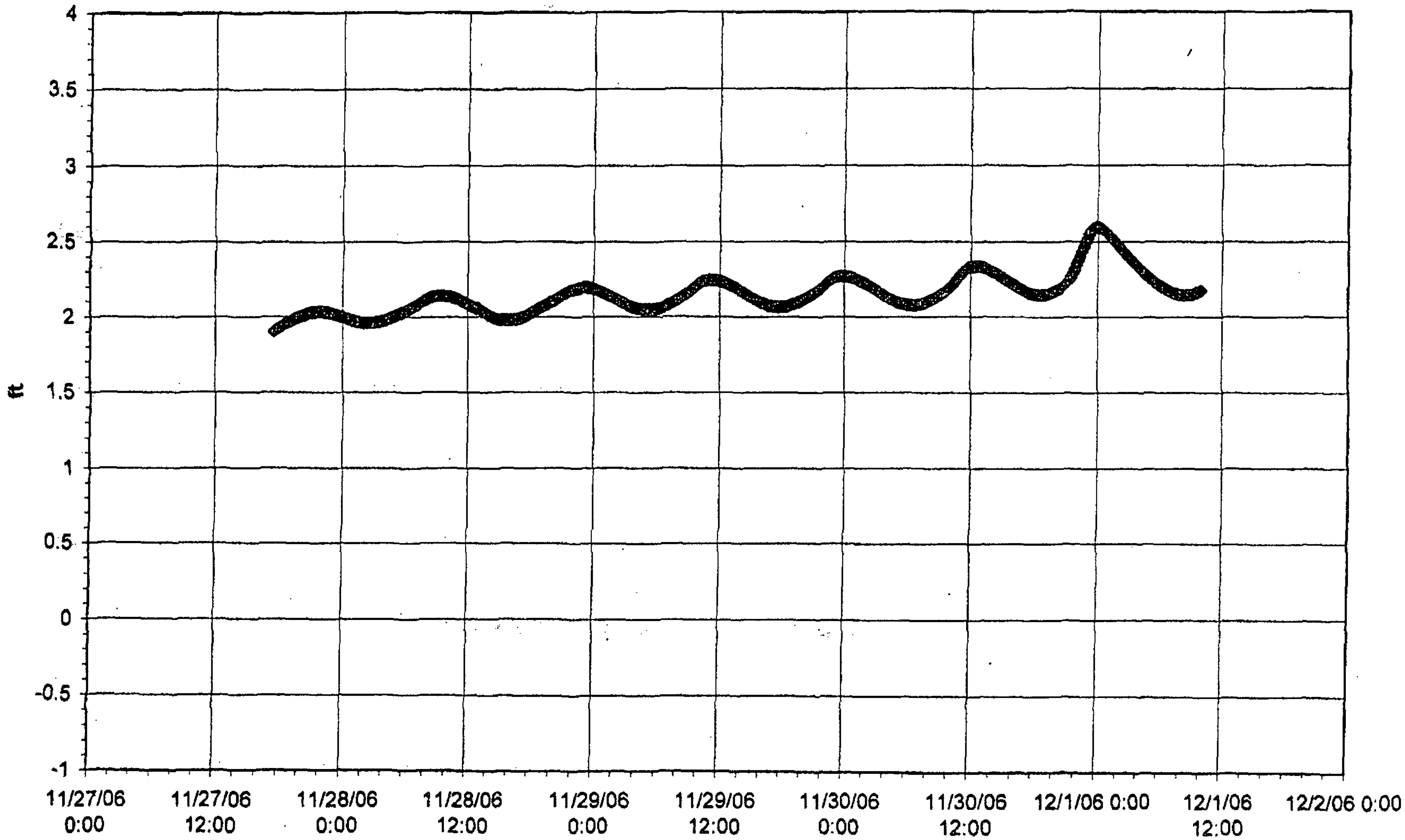
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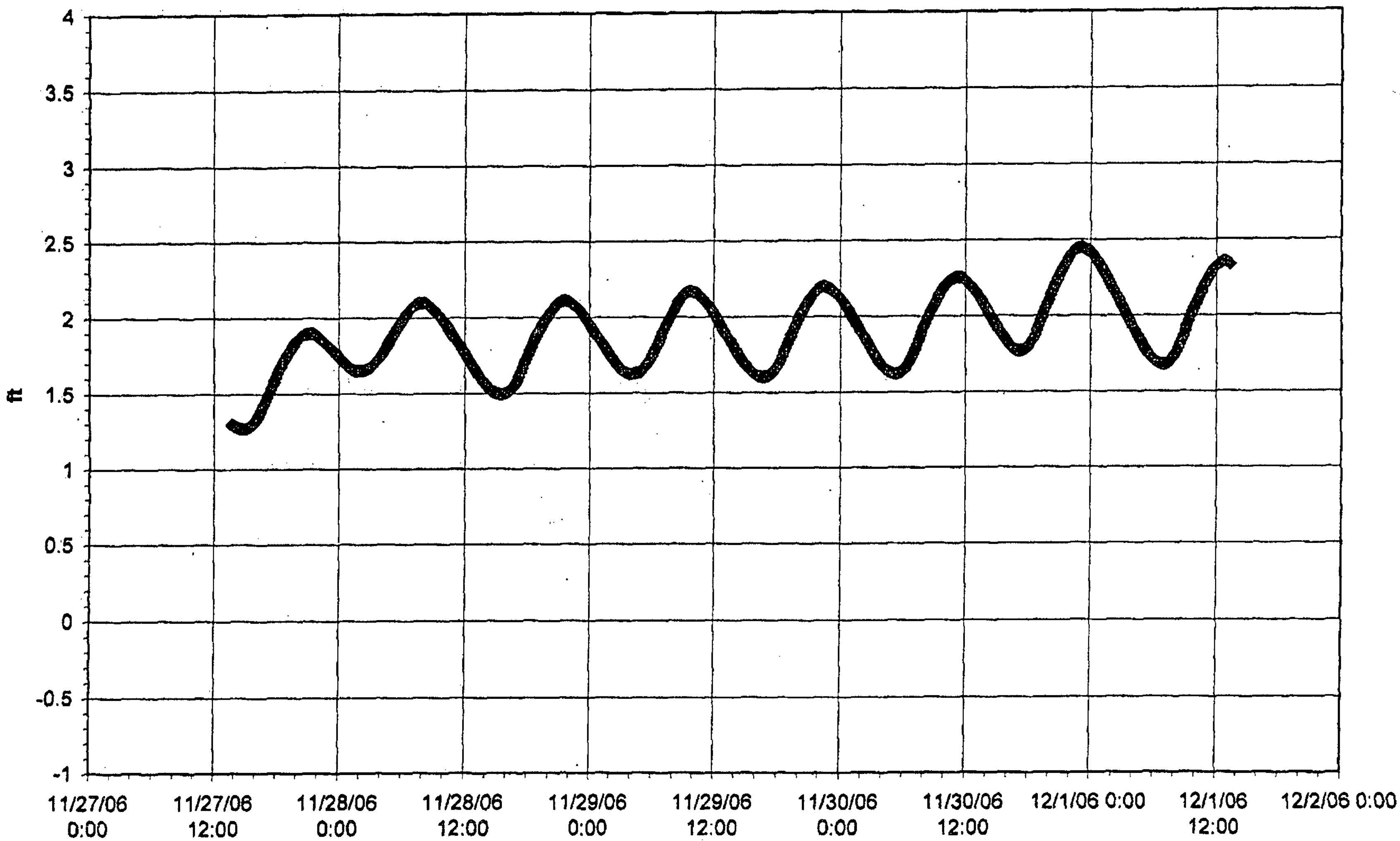

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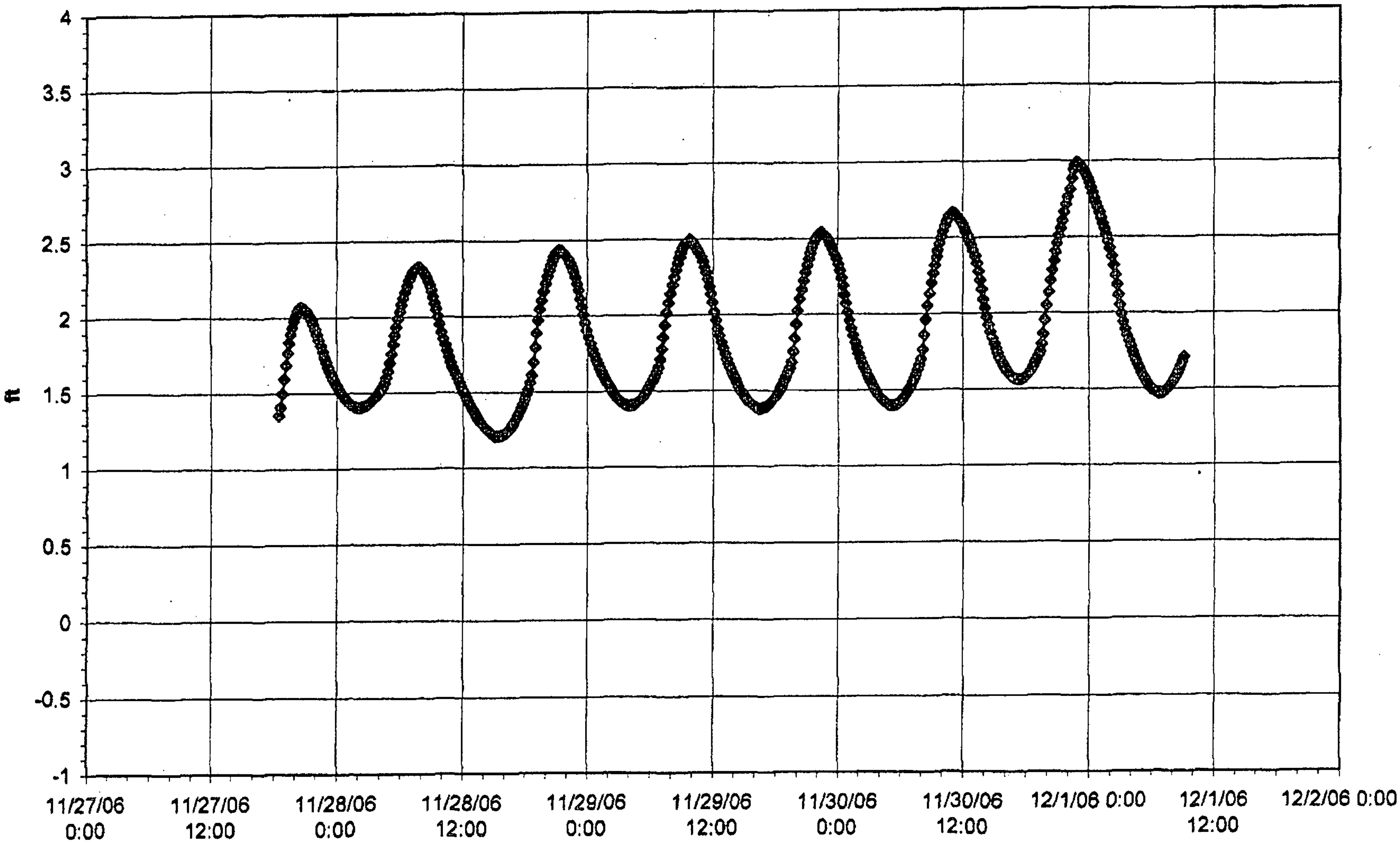

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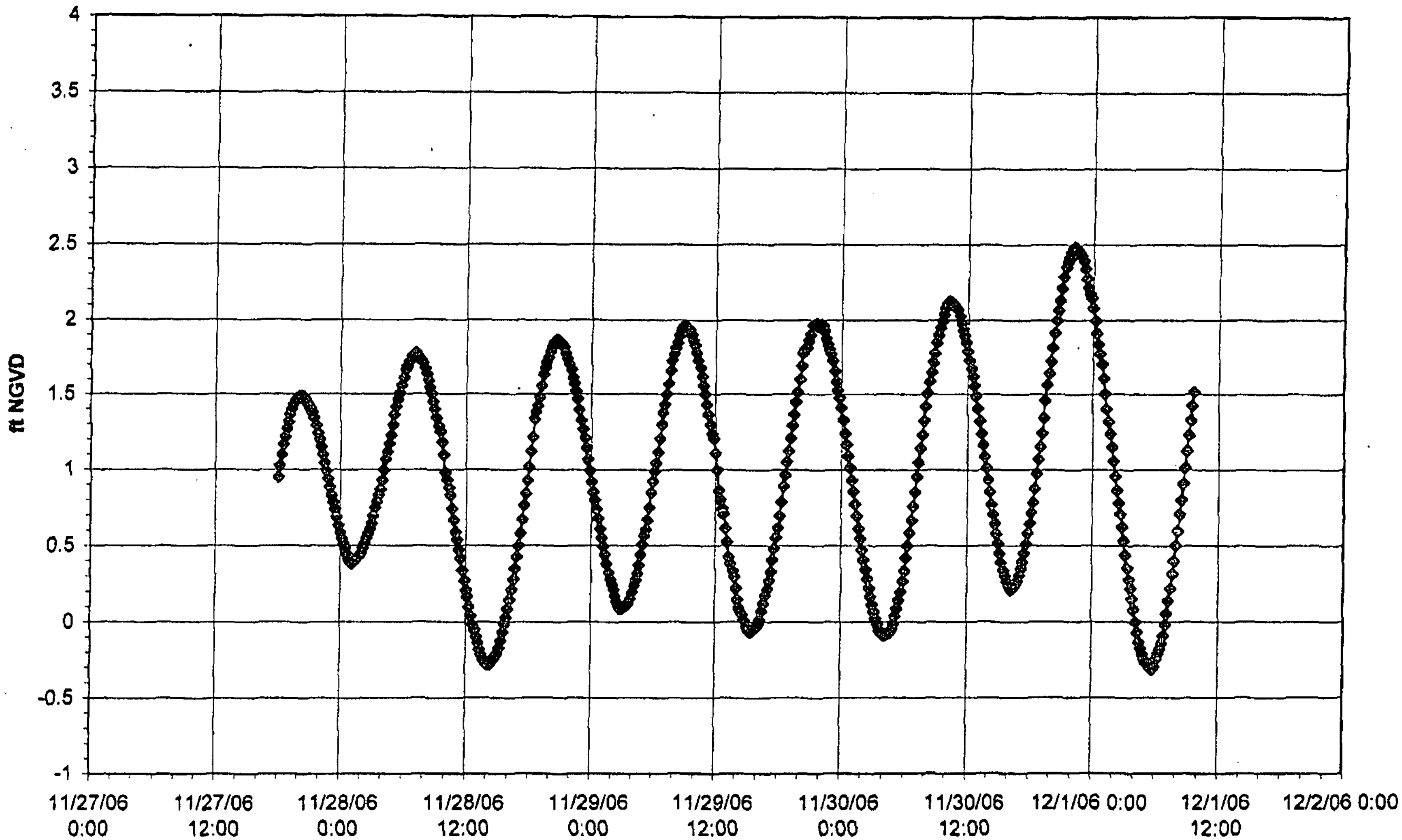

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Hydrology

H-9

1. A copy of reference SWEC, 1985 is provided in the response to AQ-3
2. It is not practical to reconstruct the Revision 29 version of the Final Safety Analysis Report (FSAR). A copy of the FSAR was provided in the CD submitted with the license renewal application. A copy of the Current version of the FSAR should be available from the NRC Crystal River 3 Project Manager.

Hydrology

Additional Documents Requested

Hydrology

Reference Request 1

1. **Thermal Plume Assessment Plan of Study**

Progress Energy

VIA CERTIFIED MAIL

September 17, 2007

Mr. Bala Nori
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Progress Energy Florida, Inc. – Crystal River Units 1, 2, and 3
NPDES Permit No. FL0000159
Thermal Plume Assessment Plan of Study

Dear Mr. Nori:

Enclosed please find three (3) copies of a draft biological evaluation plan of study (POS) for the Department's review. You'll recall that we agreed to defer submittal of the Crystal River Units 1, 2, and 3 POS pending approval of the Bartow POS. The Bartow POS was subsequently approved by FDEP in late June of this year.

If you or others within FDEP have questions concerning this information, please contact me at (727) 820-5410.

Sincerely,

Dave Bruzek

David A. Bruzek
Lead Environmental Specialist
Progress Energy Florida, Inc.

Close Window

Tracking Summary

Tracking Numbers

Tracking Number:	J206 4734 374
Type:	Package
Status:	**Delivered**
Delivered On:	09/18/2007 9:40 A.M.
Delivered To:	TALLAHASSEE, FL, US
Signed By:	HERRING
Service:	NEXT DAY AIR

Tracking results provided by UPS: 09/18/2007 11:32 A.M. ET

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Shipping Document

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TRACKING NUMBER J206 473 437 4

1 SHIPMENT FROM
SHIPPER'S UPS ACCOUNT NO. 363116
REFERENCE NUMBER

NAME TELEPHONE 727-820-5848

June Mooney PEF 903
Environmental, Health & Safety Services – POG
Progress Energy Florida
P. O. Box 14042
St. Petersburg, FL 33733

2 EXTREMELY URGENT DELIVERY TO
NAME TELEPHONE

Mr. Bala Nori
FL Dept. of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Residential Delivery ☐

3 WEIGHT — Enter "LTR" if Letter: LTR — DIMENSIONAL WEIGHT If Applicable — LARGE PACKAGE ☐

4 SHIPPER RELEASE ☐

5 TYPE OF SERVICE
☒ NEXT DAY AIR
☐ EXPRESS (INT'L)
FOR WORLDWIDE EXPRESS SHIPMENTS Mark an "X" in this box if shipment only contains documents of no commercial value. ☐ DOCUMENTS ONLY

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6 OPTIONAL SERVICES
☐ SATURDAY PICKUP See instructions.
☐ SATURDAY DELIVERY See instructions.
☐ DECLARED VALUE FOR CARRIAGE Contents are automatically protected up to $100. For declared value over $100, see instructions. $ AMOUNT
☐ C.O.D. If C.O.D., enter amount to be collected and attach completed UPS C.O.D. tag to package. $ AMOUNT

7 ADDITIONAL HANDLING CHARGE ☐ An Additional Handling Charge applies for certain items. See instructions.

TOTAL CHARGES $

8 METHOD OF PAYMENT
☒ Bill Shipper's Account Number in Section 1
☐ Bill Receiver ☐ Bill Third Party (Domestic Only) — Record account no. in Section 9
☐ Credit Card — American Express, Diner's Club, MasterCard, Visa
☐ CHECK

9 RECEIVER'S/THIRD PARTY'S UPS ACCT. NO. OR MAJOR CREDIT CARD NO. — EXPIRATION DATE /

THIRD PARTY'S COMPANY NAME
STREET ADDRESS
CITY AND STATE — ZIP CODE

10 SHIPPER'S SIGNATURE X June Mooney

All shipments are subject to the terms contained in the UPS Tariff/Terms and Conditions of Service, which are available at ups.com and local UPS offices.

DATE OF SHIPMENT 9/17/07

010191120 1/07 S — SHIPPER'S COPY

PLAN OF STUDY FOR A THERMAL PLUME ASSESSMENT CRYSTAL RIVER UNITS 1, 2, and 3 CITRUS COUNTY, FLORIDA

September 2007

Submitted by:

Progress Energy Florida, Inc.
299 First Avenue North
St. Petersburg, Florida 33701

TABLE OF CONTENTS

LIST OF FIGURES

1.0 INTRODUCTION AND APPROACH

As part of the National Pollutant Discharge Elimination System (NPDES) permit for the Crystal River Units 1, 2, and 3, Progress Energy Florida, Inc. (PEF) is required to develop a Plan of Study (POS) in accordance with Rule 62-302.520(1), F.A.C. This plan shall be designed to determine any effects on biological communities from the thermal plume discharge to Crystal Bay. The POS shall address monitoring of the thermal plume, submerged seagrasses, benthic macroinvertebrates, and shall include a proposed implementation schedule and reporting requirements. The POS shall identify data provided by other existing programs as well as any additional monitoring to be conducted by PEF as necessary.

To understand how to characterize potential impacts to seagrass beds and benthic organisms exposed to the thermal release from the Crystal River Energy Complex, this plan of study is structured as a phased approach that will initially focus on determining and understanding the spatial and temporal distribution of the thermal plume under various environmental and plant operating conditions. Once the location of the plume has been established, (Phase I) it will then be possible to determine how and where to evaluate potential impacts to seagrass beds and benthic organisms exposed to the thermal plume (Phase II).

The Crystal River Energy Complex is located on an approximately 5,000 acre site near the Gulf of Mexico in Citrus County, Florida. The Complex is approximately 7.5 miles northwest of the City of Crystal River, within the coastal salt marsh of west central Florida (Figure1). The complex contains five electric generating units. Units 1 (400 MW) and 2 (500 MW) are coal-fired and Unit 3 (890 MW) is a nuclear-fueled electric generating plant located within the Complex. These three units utilize once-through condenser cooling and are authorized to discharge cooling water by NPDES permit No. FL0000159. Units 4 (640 MW) and 5 (640 MW) are coal-fired units and utilize closed cycle cooling with natural draft cooling towers. Unit 4 and 5 withdraw water for cooling tower makeup from the discharge canal of Units 1, 2, and 3. During certain times of the year (May 1 through October 31), once-through helper cooling towers are operated to reduce the thermal discharge from Units 1, 2, and 3. The helper cooling towers cool a portion of the heated water which has passed through the condensers from Units 1, 2, and 3 and then discharge the cooled water back into the discharge canal. The helper cooling towers are operated as necessary to ensure that the discharge temperature does not exceed the current permit maximum of 96.5 ° F as a three-hour rolling average at the point of discharge into the Gulf of Mexico. Source water for Units 1, 2, and 3 is withdrawn from a common canal located south of the units which extends into the Gulf of Mexico, a Class III marine water.

NPDES Permit No. 0000159 authorizes the following for Crystal River Units 1, 2, and 3:

> *Operation of an industrial wastewater treatment and disposal system to serve the referenced facility. The facility consists of two fossil-fueled units (Unit #1 and Unit #2) and a nuclear fuel-fired unit (Unit #3) The units have a combined daily flow of 1898 MGD and a total nameplate rating of 1854.8 MW. The facility discharge consists of once-through condenser cooling water, treated auxiliary cooing water, treated-sluice ash water, treated coal pile rainfall runoff, canal debris wash water, and treated non-radioactive wastes/radiation waste. Treated effluent is discharged to the site discharge canal thence to the Gulf of Mexico, a Class III marine water, and a wetland area of the Gulf of Mexico.*

The most recent study to evaluate the impact of the thermal plume at Crystal River was conducted in 1983 – 1984. As part of a 316 Demonstration, physical studies were conducted in Crystal Bay to collect data for hydrodynamic and hydrothermal modeling. The models were designed to characterize hydrodynamic conditions within the study area, and using that data, simulate the thermal discharge resulting from the operation of Crystal River Units 1, 2, and 3 under various environmental conditions.

To provide comprehensive, synoptic thermal data, thermographs were deployed at 51 near-surface stations throughout the study area. At 21 of these stations, thermographs were also deployed at subsurface stations for detection of stratification. Meteorological, bathymetric, current, and tide data were also collected in support of the hydro-dynamic modeling effort.

Thermal plume delineation was accomplished during the study period under incoming and outgoing diurnal and semi-diurnal tide conditions. Sampling was conducted during August and January when the in situ study was in progress. Boat crews synoptically sampled four basins near the discharge point measuring conductivity and temperature searching for bottom separation of the thermal plume.

The far-field modeling effort for Crystal River Energy Complex was conducted with CAFÉ-1 and DISPER-1, a pair of two-dimensional finite-element mathematical models developed at the Massachusetts Institute of Technology. The objectives of the far-field modeling were to determine the far-field thermal plume configuration and determine the station effects on far-field meroplankton concentrations (source water body analysis).

The selection of a near-field model for the Crystal River Energy Complex was based upon an examination of the results of the thermal plume delineation surveys. No significant or consistent plume stratification could be detected due either to temperature or salinity. Thus, the near-field modeling was conducted utilizing a model which describes a plume uniformly distributed over the water depth. The results of the near-field model were used to modify the isotherm locations predicted by the far-field model. The far-field model supplied an approximate distribution to the average temperature in the region of the point of discharge and the near-field model provided the detailed distribution.

Upon examination of the thermal plumes obtained from physical data collected, the only phases of the tide which exhibited any substantial near-field behavior were ebb tide and low water slack. Near field behavior was apparent by the existence of locally elongated isotherms which follow and enclose a jet emerging from the point of discharge. Furthermore, data supported the conclusion that heated water is primarily confined to the dredged discharge canal throughout its length, especially at low tide levels. True near-field plume behavior did not begin until the discharge emerged from the channel into the bay (Figure 3).

Thermal plume simulation results agreed well with results from the biological and water quality sampling portions of the 316 study. Basin 1, nearest the point of discharge was consistently exposed to water with temperature elevated 5 – 8 $^{\circ}$C above ambient. On ebb or low slack tides, however, the largest volume of the thermal discharge was confined to the dredged channel adjacent to the discharge spoil. The plume at that point tends toward the southwest, but rapidly becomes well mixed in the relatively shallow water. On flood or high tides, the plume effect is lacking as the discharge spreads quickly over more of the bay. Little variation was seen in the summer or winter cases. Simulations represented worst case, full load operation. Interpretation of the results was complicated by low salinity and sedimentation experienced in Crystal Bay. Particularly with benthic communities, the effects of salinity and sedimentation are very similar to thermal effects, and this was demonstrated by faunal similarities observed between northern area stations and those in area affected by the thermal discharge.

As a result of findings from this study, Florida Power Corporation reached a tentative agreement with the U. S. Environmental Protection Agency (EPA) and Florida Department of Environmental Regulation (FDER) in March 1988 outlining a 3-phased approach towards mitigating impacts from the once-through cooling water system at Units 1, 2, and 3. FPC agreed to install helper cooling towers to reduce thermal impacts, construct and operate a multi-species fish hatchery to address impingement and entrainment impacts, and implement a 15% reduction in overall cooling water flow from November 1 through April to further reduce impingement and entrainment impacts.

Four mechanical draft helper cooling towers designed to cool approximately one-half the condenser cooling water discharged from Crystal River Units 1, 2, and 3 were installed and began operation in 1993. The cooler tower discharge water is reintroduced and mixed in the discharge canal to achieve a three hour average maximum temperature of 96.5 °F at the point of discharge.

2.0 PLAN OF STUDY

The objective of this POS is to assess the potential impacts of the thermal plume from current operation of Crystal River Units 1, 2, and 3 on submerged grasses, benthic macroinvertebrates, and other aquatic species, as appropriate. This POS is divided into the following phases and sections:

2.1 Monitoring to Determine the Spatial and Temporal Distribution of the Crystal River Energy Complex Thermal Plume

The objective of this phase is to understand the spatial persistence and temporal distribution of the thermal plume as it relates to current plant operations and ambient environmental conditions.

2.1.1 Thermal Plum Delineation

Earlier physical studies provided detailed near-field and far-field thermal plume simulations correlated with extensive physical data collected in and around Crystal Bay. A fairly accurate account of thermal plume spatial and temporal performance was determined from those studies. However, those studies were completed prior to the installation and operation of the helper cooling towers and the resulting NPDES permit condition of a maximum thermal discharge temperature of 96.5 ° F as a three-hour rolling average at the point of discharge into the Gulf of Mexico.

This POS is designed to assess the spatial distribution of the thermal plume resulting from the operation of Crystal River Units 1, 2, and 3 and helper cooling towers. To map the spatial distribution of the thermal plume a total of 20 sampling stations will be synoptically monitored twice monthly from April through October. Sampling station locations are shown in Figure 2 and are based in part on expected plume trajectories from model simulations run during the previous 316 study. Exact station locations will be determined during the first field effort using GPS. Station location is grid based to enhance statistical analysis and interpolation. Each synoptic survey will take place prior to slack water for both ebb and flood tidal cycles. Surface and bottom temperature, dissolved oxygen, and salinity measurements will be taken at each station. Secchi disc depth will be determined at each station as a measure of light penetration. If water depth at a sampling site is less than one meter, only surface (0.2m) measurements will be taken.

To supplement the synoptic surveys three continuous recorders (datasonde) will be placed at key locations to measure temperature, dissolved oxygen, and salinity 24 hours prior to and after each synoptic survey. A fourth datasonde will be placed as a control south of Crystal Bay outside of the area influenced by the thermal plume. Datasondes will be suspended near the bottom through bottom anchoring and surface floats. The datasondes will be programmed to record data every 15 minutes. The datasondes will provide a continuous record of temperature, salinity, and dissolved oxygen concentrations during each survey period for areas that are expected to be within the thermal plume, as well as a control.

The objective of this study will be to characterize the fate of the thermal plume under present plant operating conditions. The mapping effort will include the establishment of isotherms associated with the thermal plume. The gradient of thermal contours will provide data to establish areas within and outside of the thermal plume, allow comparison to previous modeling results, and dictate location of biological sampling stations. If conditions are encountered that indicate the proposed stations will not allow an adequate delineation of the thermal plume, select stations will be moved or additional stations will be added for adequate temperature mapping.

2.1.2 Sampling Frequency

Synoptic surveys will be conducted twice monthly from April through October during slack low and high tides in order to collect data during worst case, full power demand conditions. This will provide information on the effect of plant operating conditions including worst case on the fate of the thermal plume. Sampling will begin just prior to a slack flood or ebb tide. It is anticipated that sampling will begin in the spring of 2008 pending approval of this POS by the FDEP.

2.1.3 Environmental Measurements

Concurrent with each survey air temperature, wind speed, direction, rainfall, cloud cover and general weather conditions will be observed and recorded. Meteorological data will be obtained from the meteorological tower operated on the Crystal River Energy Complex site. Also, tide height data will be recorded, and plant operational parameters will be collected for each sampling event.

2.1.4 Water Quality Assessment

In addition to synoptic water quality sampling (temperature, dissolved oxygen, and salinity), mid-depth water samples will be collected once per tidal cycle and once per month at five stations. These samples will be analyzed for dissolved organic carbon, ortho-phosphate, nitrate/nitrite, ammonia, and turbidity. Methods and holding times will follow appropriate 40 CFR Part 136 and FDEP SOP guidelines. Stations to be sampled for water quality parameters are shown in Figure 3.

2.1.5 Data Management

Field and laboratory data sheets will be used to record raw data. All field data will be entered into an ACCESS database with identifiers of station, date, and depth to allow for full analysis of data.

2.1.6 Data Analysis and Results

To determine the fate of the thermal plume under various plant and environmental conditions, data from April through October will be collected and analyzed. Isothermal contours will be generated for 1.0 °C isotherms. Since previous studies indicated little vertical stratification, isotherms will be considered to be consistent throughout the water column.

These isotherms will be compared to near-field isotherms generated during the 1985 316 Demonstration Study. With no significant changes in hydrology or topography it may be possible to compare results from this study to prior conclusions. This will be determined as data becomes available.

The datasonde results will be used to provide information on temperature and dissolved oxygen concentrations at selected areas during periods that bracket the surveys. A comparison will be made between day and night dissolved oxygen concentrations to assess any temperature-dissolved oxygen interactions.

To supplement the thermal plume mapping and assist in determining what additional studies, if any, will be required to evaluate the impact of the existing thermal plume on seagrass beds, available GIS data and maps will be collected and layered with thermal plume data.

In addition, the isotherm mapping will provide data to identify if, and where, benthic sampling should be conducted to be representative of the various temperature contours, as well as identify background temperature areas for comparative purposes. It will also be used to assess the relevancy of the 1985 benthic studies to current isotherm distributions.

2.1.7 QA/QC Plan

It is the policy of the EHSS Department to ensure that all biological activities (field, laboratory, and reporting) are accurate, complete, and repeatable. This policy is accomplished by developing a system of activities outlined in the EHSS Biology Program QA Manual. This manual includes both administrative and technical activities. Vendors performing biological studies for EHSS must comply with the criteria and guidance outlined in the QA manual.

2.1.8 Reporting Requirements

Progress reports will be issued quarterly and will present thermal plume mapping information for temperature, salinity, and dissolved oxygen along with water quality information that is available.

A final report will be prepared within 6 months of the last sampling to discuss the fate of the thermal plume, the assessment of potential biological impacts from available information and recommendations for Phase II sampling.

2.2 Phase II – Conduct a Biological Assessment of Seagrass Beds and Benthic Macroinvertebrates Impacted from the Thermal Plume

2.2.1 Characterization of the Spatial Distribution of Seagrass Beds Likely Affected by the Thermal Plume

The scope of this study will be deferred until the spatial and temporal extent of the thermal plume is defined and an appropriate Plan of Study can be prepared and submitted to FDEP for approval.

2.2.2 Characterization of the Benthic Community Potentially Affected by the Thermal Plume

The scope of this study will be deferred until the spatial and temporal extent of the thermal plume is defined and an appropriate Plan of Study can be prepared and submitted to FDEP for approval.

Figure 1. Site Layout

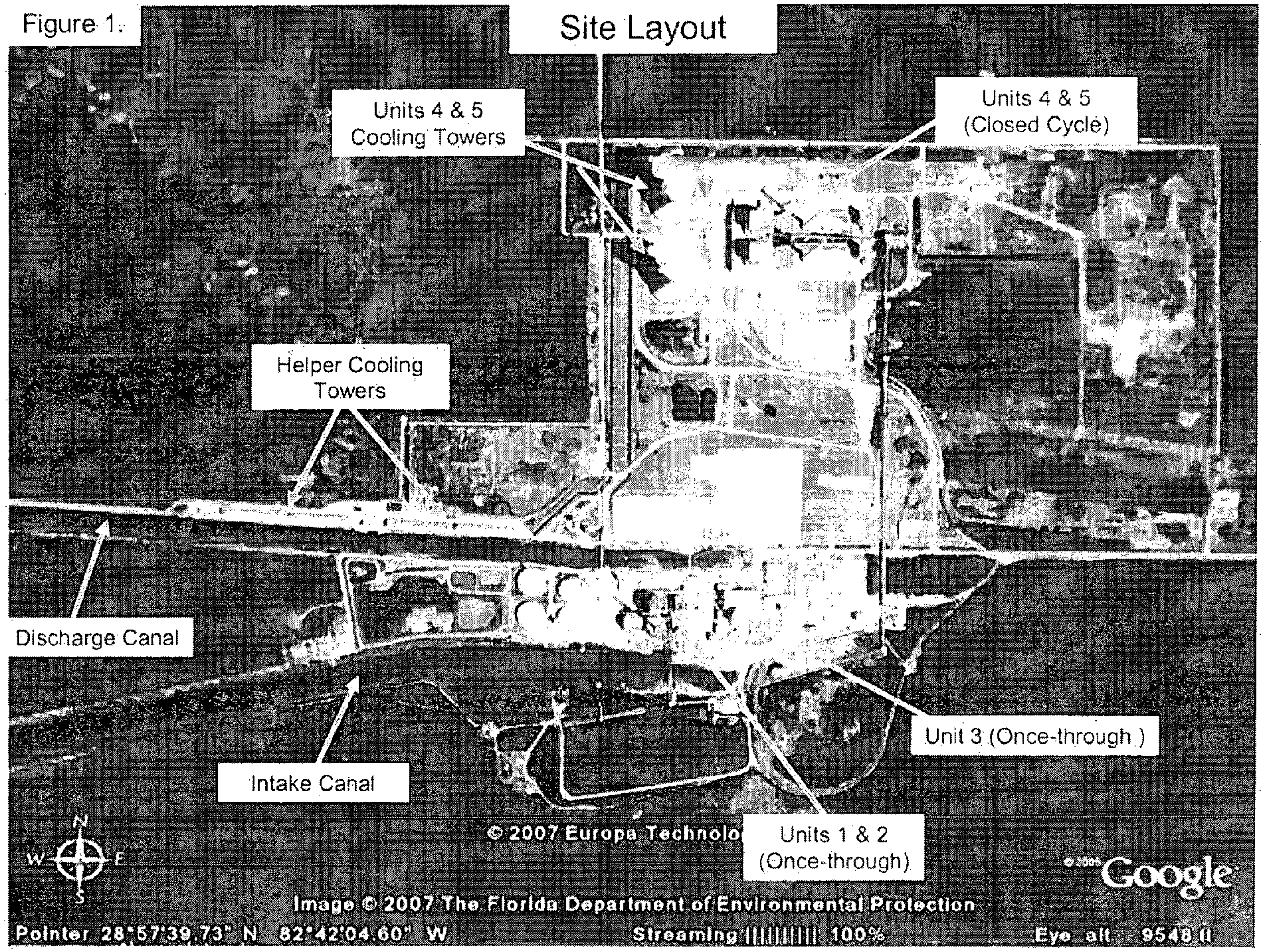


Figure 2.

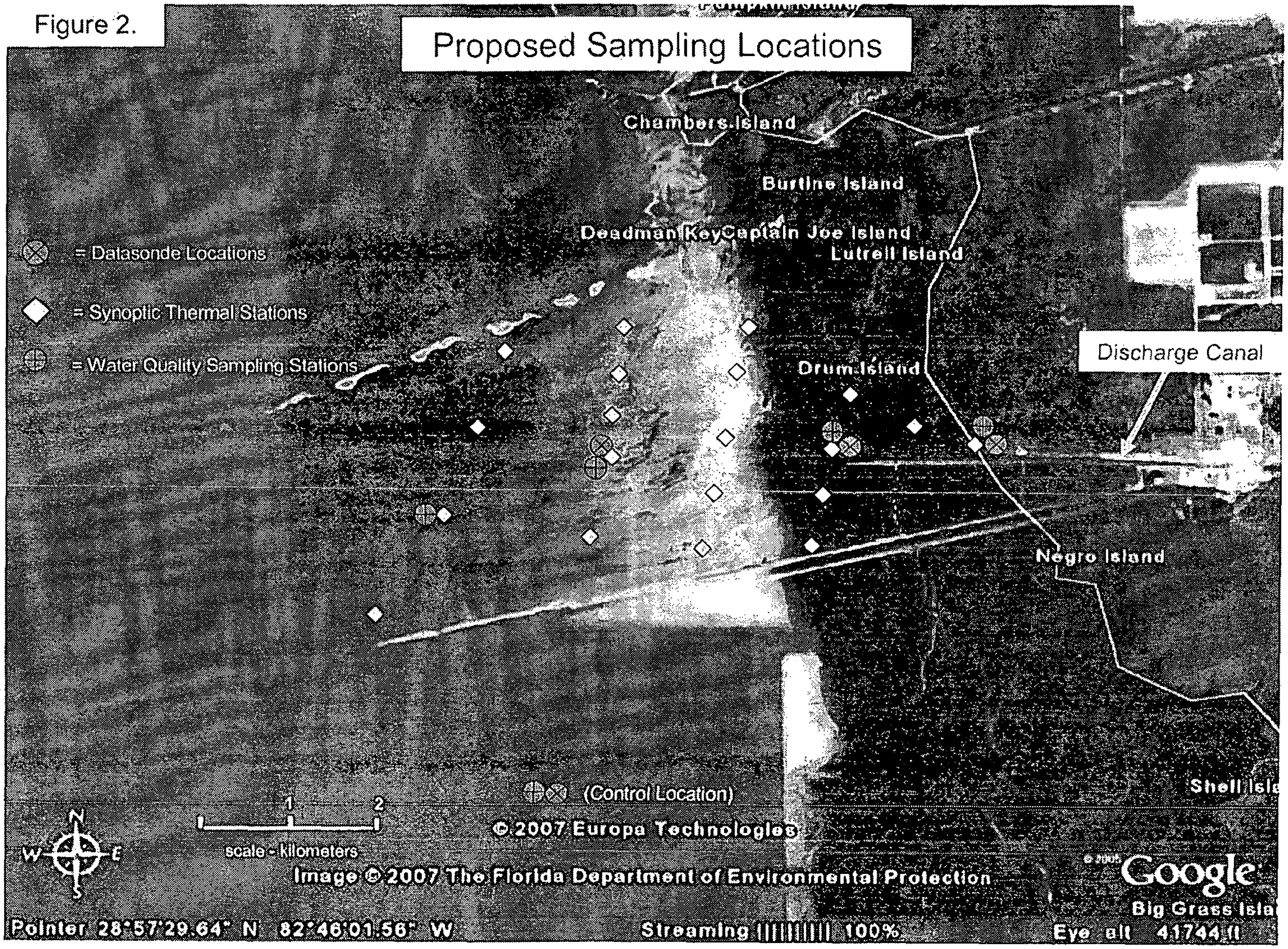
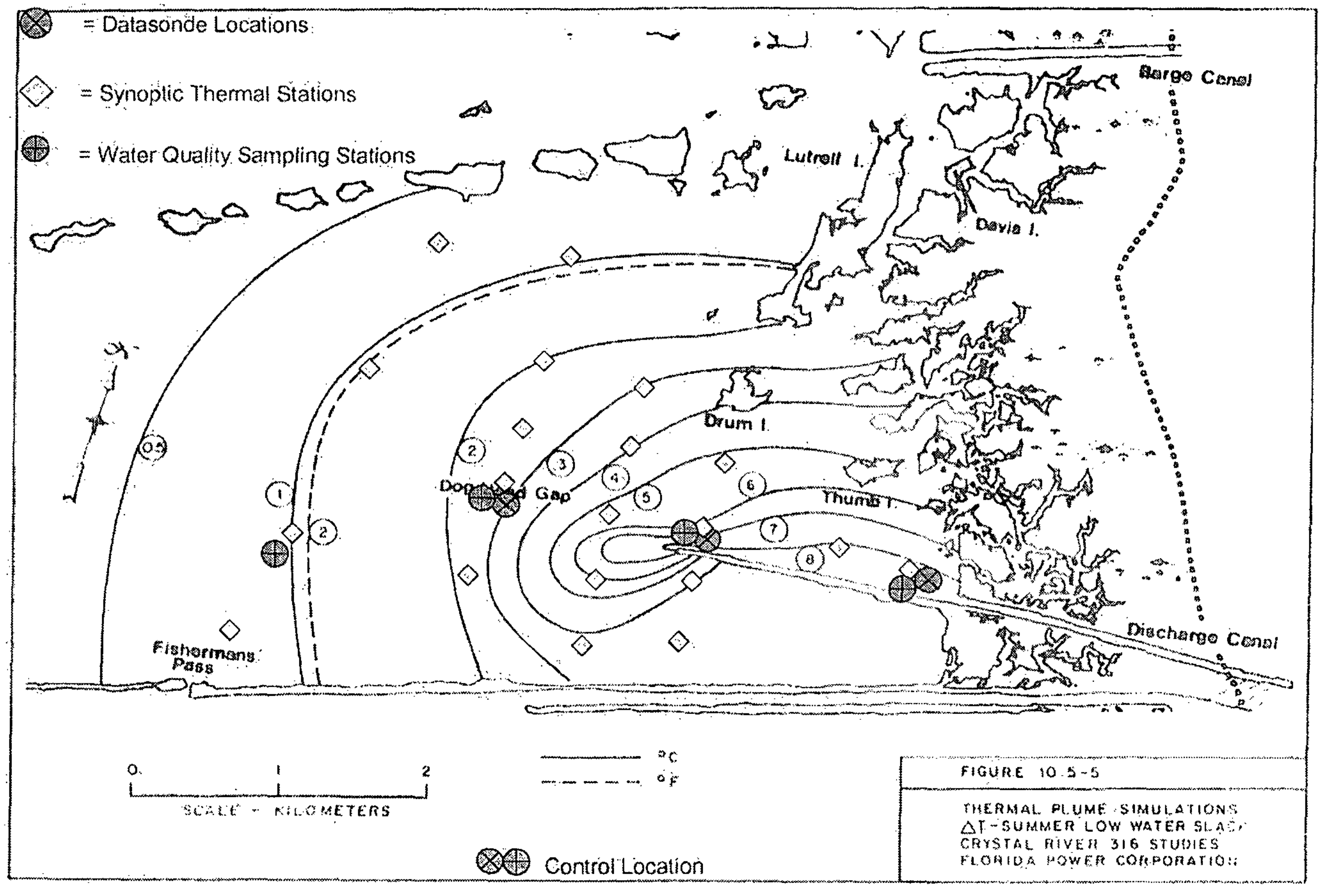

Proposed Sampling Locations
Chambers Island
Burtine Island
Deadman Key
Captain Joe Island
Lutrell Island
= Datasonde Locations
= Synoptic Thermal Stations
= Water Quality Sampling Stations
Drum Island
Discharge Canal
Negro Island
(Control Location)
1
2
scale - kilometers
N
W
E
S
© 2007 Europa Technologies
Image © 2007 The Florida Department of Environmental Protection
Google
Big Grass Isla
Shell Isla
Pointer 28°57'29.64" N 82°46'01.56" W
Streaming |||||||||| 100%
Eye alt 41744 ft

Figure 3:

Historical Thermal Plume Profiles



Hydrology

Reference Request 4

1. **Consumptive Water Use permit and Data (2 documents)**

Southwest Florida
Water Management District

An Equal Opportunity Employer

2379 Broad Street, Brooksville, Florida 34604-6899
(352) 796-7211 or 1-800-423-1476 (FL only)
SUNCOM 628-4150 TDD only 1-800-231-6103 (FL only)
On the Internet at: WaterMatters.org

Bartow Service Office
170 Century Boulevard
Bartow, Florida 33830-7700
(863) 534-1448 or
1-800-492-7862 (FL only)
SUNCOM 572-6200

Lecanto Service Office
Suite 226
3600 West Sovereign Path
Lecanto, Florida 34461-8070
(352) 527-8131

Sarasota Service Office
6750 Fruitville Road
Sarasota, Florida 34240-9711
(941) 377-3722 or
1-800-320-3503 (FL only)
SUNCOM 531-6900

Tampa Service Office
7601 Highway 301 North
Tampa, Florida 33637-6759
(813) 985-7481 or
1-800-836-0797 (FL only)
SUNCOM 578-2070

November 26, 2007

Bernie Cumbie
Florida Power Corporation, Progress Energy FL, Inc., and
Crystal River South Unit 1, 2 and 3
15760 West Power Line Road
Crystal River, FL 34428

Subject: Permit Transmittal Letter
Individual Water Use Permit No. 20004695.004

Dear Mr. Cumbie:

This Water Use Permit was approved by the District Governing Board subject to all terms and conditions set forth in the approved Permit.

Please be advised that the Governing Board has formulated a water shortage plan as referenced in Condition 4 of the Standard Water Use Permit Conditions and will implement such a plan during periods of water shortage. You will be notified during a declared water shortage of any change in the conditions of your Permit or any suspension of your Permit, or of any restriction on your use of water for the duration of any declared water shortage.

The ID tags for your withdrawals shall be installed by a District representative. This representative will attempt to contact you within 30 days to discuss placement of your tags. If you have any questions or concerns regarding your tags, please contact Sandy Semegen at extension 4349, in the Brooksville Regulation Department. If you have any questions or concerns regarding your permit or any other information, please contact this office at extension 4360.

Sincerely,

Paul W. O'Neil

Paul W. O'Neil, Jr., P.E., Department Director
Regulation Performance Management

PWO:jjm
Enclosures: Approved Permit
cc: File of Record
Patricia Garner, R.E.M., Progress Energy Florida, Inc.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
WATER USE
INDIVIDUAL
PERMIT NO. 20004695.004

EXPIRATION DATE: November 26, 2017 | PERMIT ISSUE DATE: November 26, 2007

The Permittee is responsible for submitting an application to renew this permit no sooner than one year prior to the expiration date, and no later than the end of the last business day before the expiration date, whether or not the Permittee receives prior notification by mail. Failure to submit a renewal application prior to the expiration date and continuing to withdraw water after the expiration date is a violation of Chapter 373, Florida Statutes, and Chapter 40D-2, Florida Administrative Code, and may result in a monetary penalty and/or loss of the right to use the water. Issuance of a renewal of this permit is contingent upon District approval.

TYPE OF APPLICATION: Renewal

GRANTED TO: Florida Power Corporation, Progress Energy FL, Inc., and
Crystal River South Unit 1, 2 and 3
15760 West Power Line Road
Crystal River, FL 34428

PROJECT NAME: Crystal River South Power Plant

WATER USE CAUTION AREA: N/A

PROPERTY LOCATION: 5,125.7 owned acres in Citrus County, approximately 3 miles west of Red Level.

ABSTRACT: This is a renewal for an existing water use permit for cooling and other operational uses for power plant Units 1, 2, and 3. The Annual Average quantity is 1,000,000 gallons per day (gpd) and the Peak Month quantity is 1,500,000 gpd. The quantities are based on historical usage and projected demands through the 10-year permit term.

The permit includes Special Conditions that require monthly reporting of metered pumpage, monthly reporting of water quality from District ID 4, monthly reporting of water levels from District ID 7, capping of unused wells, submittal of a water conservation report by October 1, 2012, pumpage distribution flexibility, and potential permit modification as a result of the ongoing site certification process.

CHANGES FROM PRIOR PERMIT: There are no changes from the prior permit.

Permit Information			
	Existing 2007	Requested 2017	Staff Recommendation 2017
Annual Average (gpd)			
Ground Water	1,000,000	1,000,000	1,000,000
Surface Water	0	0	0
Peak Month (gpd)			
Ground Water	1,500,000	1,500,000	1,500,000
Surface Water	0	0	0
Population Served	N/A	N/A	N/A

Permit Information (continued)			
	Existing 2007	Requested 2017	Staff Recommendation 2017
Annual Average Permitted Quantities (gpd)	N / A	N / A	N / A
Imports (gpd)	N / A	N / A	N / A
Exports (gpd)	N / A	N / A	N / A
Treatment Loss (gpd)	N / A	N / A	N / A
Gross Use (gpd)	N / A	N / A	N / A
Gross Per Capita (gpd/person)	N / A	N / A	N / A
Adjustments:			
Significant Uses (gpd)	N / A	N / A	N / A
Environmental Mitigation (gpd)	N / A	N / A	N / A
Reclaimed Water Offsets	N / A	N / A	N / A
Adjusted Gross Per Capita (gpd/person)	N / A	N / A	N / A
Residential Use (gpd)	N / A	N / A	N / A
Residential Per Capita (gpd/person)	N / A	N / A	N / A
Unaccounted Water Use (gpd):	N / A	N / A	N / A

[1] Average daily use during the highest water use month.

FACILITY NAME
Crystal River South Power Plant

SPECIAL CONDITIONS:

All conditions referring to approval by the Regulation Department Director, Resource Regulation, shall refer to the Director, Brooksville Regulation Department, Resource Regulation.

1. All reports and data required by conditions of the permit shall be submitted to the District according to the due dates contained in the specific condition. If the report or data is received on or before the tenth day of the month following data collection, it shall be deemed as a timely submittal. The Permittee may use the District's website to submit data, plans or reports online. To set up an account, the Permittee can address the request to permitdata@watermatters.org. All mailed reports and data are to be sent to:

   Permit Data Section, Regulation Performance Management Department
   Southwest Florida Water Management District
   2379 Broad Street
   Brooksville, Florida 34604-6899

   Submission of plans and reports: Unless submitted online or otherwise indicated in the special condition, the original and two copies of each plan and report, such as conservation plans, environmental analyses, aquifer test results, per capita annual reports, etc. are required.

Submission of data: Unless otherwise indicated in the special condition, an original (no copies) is required for data submittals such as crop report forms, meter readings and/or pumpage, rainfall, water level evapotranspiration, or water quality data.

2. The Permittee shall meter withdrawals from surface waters and/or the ground water resources, and meter readings from each withdrawal facility shall be recorded on a monthly basis within the last week of the month. The meter readings shall be reported to the Data Management Section, Regulation Performance Management Department on or before the tenth day of the following month. District-supplied scanning forms shall be used to submit the meter readings unless another arrangement for submission of this data has been approved by the District. The following withdrawal facilities shall be metered:

Existing permitted withdrawal facilities shall continue to be metered with non-resettable, totalizing flow meters or other flow measuring devices as approved by the Regulation Department Director, District ID Nos. **1, 2, 3, 4 and 5**, Permittee ID Nos. **PW1A, PW1B, SPW3, SPW4 and SPW5**.

The meters shall adhere to the following descriptions and shall be installed or maintained as follows:

A. The meters shall be non-resettable, totalizing flow meters that have a totalizer of sufficient magnitude to retain total gallon data for a minimum of the three highest consecutive months permitted quantities. If other measuring devices are proposed, prior to installation, approval shall be obtained in writing from the Regulation Department Director.

B. The Permittee shall report non-use on all metered standby withdrawal facilities on the scanning form or approved alternative reporting method.

C. If a metered withdrawal facility is not used during any given month, the meter report shall be submitted to the District indicating the same meter reading as was submitted the previous month.

D. The flow meters or other approved devices shall have and maintain an accuracy within five percent of the actual flow as installed.

E. Accuracy testing requirements:

1. For newly metered withdrawal points, the flow meter installation shall be designed for inline field access for meter accuracy testing.
2. The meter shall be tested for accuracy on-site, as installed, every five years beginning from the date of its installation for new meters or from the date of initial issuance of this permit containing the metering condition with an accuracy test requirement for existing meters.
3. The testing frequency will be decreased if the Permittee demonstrates to the satisfaction of the District that a longer period of time for testing is warranted.
4. The test will be accepted by the District only if performed by a person knowledgeable in the testing equipment used.
5. If the actual flow is found to be greater than 5% different from the measured flow, within 30 days, the Permittee shall have the meter re-calibrated, repaired, or replaced, whichever is necessary. Documentation of the test and a certificate of re-calibration, if applicable, shall be submitted within 30 days of each test or re-calibration.

F. The meter shall be installed according to the manufacturer's instructions for achieving accurate flow to the specifications above, or it shall be installed in a straight length of pipe where there is at least an upstream length equal to ten (10) times the outside pipe diameter and a downstream length equal to two (2) times the outside pipe diameter. Where there is not at least a length of ten diameters upstream available, flow straightening vanes shall be used in the upstream line.

G. Broken or malfunctioning meter:

1. If the meter or other flow measuring device malfunctions or breaks, the Permittee shall notify the District within 15 days of discovering the malfunction or breakage.
2. The meter must be replaced with a repaired or new meter, subject to the same specifications given above, within 30 days of the discovery.
3. If the meter is removed from the withdrawal point for any other reason, it shall be replaced with another meter having the same specifications given above, or the meter shall be reinstalled within 30 days of its removal from the withdrawal. In either event, a fully functioning meter shall not be off the withdrawal point for more than 60 consecutive days.

H. While the meter is not functioning correctly, the Permittee shall keep track of the total amount of time the withdrawal point was used for each month and multiply those minutes times the pump capacity (in gallons per minute) for total gallons. The estimate of the number of gallons used each month during that period shall be submitted on District scanning forms and noted as estimated per instructions on the form. If the data is submitted by another approved method, the fact that it is estimated must be indicated. The reason for the necessity to estimate pumpage shall be reported with the estimate.

I. In the event a new meter is installed to replace a broken meter, it and its installation shall meet the specifications of this condition. The permittee shall notify the District of the replacement with the first submittal of meter readings from the new meter.

3. Any wells not in use, and in which pumping equipment is not installed shall be capped or valved in a water tight manner in accordance with Subsection 62-532.500(3)(a)(4), F.A.C.

4. The quantities authorized by this permit, include sufficient water for Crystal River Units 1, 2, and 3. Unit 3 is currently undergoing site certification through the Florida Department of Environmental Protection. If water quantities are authorized for Unit 3 through the site certification process, the permittee shall, within 30 days of the site certification, apply to modify and reduce the quantities authorized under this water use permit, to the quantities required for only Units 1 and 2.

5. Water quality samples shall be collected and analyzed for parameters, and frequency(ies) specified below. Water quality samples from production wells shall be collected whether or not the well is being used, unless infeasible. If sampling is infeasible, the Permittee shall indicate the reason for not sampling on the water quality data form. Water quality samples shall be analyzed by a Department of Health and Rehabilitative Services (DHRS) certified laboratory under Environmental Laboratory Certification General Category "1". At a minimum, water quality samples shall be collected after pumping the well at its normal rate for a pumping time specified in the table below, or to a constant temperature, pH, and conductivity. In addition, the Permittee's sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake analysis. Any variance in sampling and/or analytical methods shall have prior approval of the Regulation Department Director, Resource Regulation. Reports of the analyses shall be submitted to the Permit Data Section, Records and Data Department, (using District forms) on or before the tenth day of the following month, and shall include the signature of the authorized representative and certification number of the certified laboratory which undertook the analyses. The parameters and frequency of sampling and analysis may be modified by the Regulation Department Director, Resource Regulation, as necessary to ensure the protection of the resource.

District ID No.	Permittee ID No.	Minimum Pumping Time (minutes)	Parameter	Sampling Frequency
4	SPW4	15	Chlorides, Sulfates, & TDS	Monthly

Water quality samples shall be collected based on the following timetable:

Monthly Same week of each month

Analyses shall be performed according to the procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association-American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or Methods for Chemical Analyses of Water and Wastes by the US Environmental Protection Agency (EPA).

6. The average day, peak monthly, and maximum daily, if applicable, quantities for District ID Nos. 3, 4, and 5, Permittee ID Nos. SPW3, SPW4, and SPW5, shown below in the production withdrawal table are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes. The quantities listed in the table for these individual sources are not intended to dictate the distribution of pumpage from the permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to 440,000 gallons per day (gpd) on and average basis and up to 570,000 gpd on a peak monthly basis for the individual wells, so long as adverse environmental impacts do not result and other conditions of this Permit are complied with. In all cases, the total average annual daily withdrawal and the total peak monthly withdrawal are limited to the quantities set forth above.

7. The Permittee shall monitor water levels in the monitor well as specified in the table below. Reports of the data shall be submitted to the Permit Data Section, Records and Data Department, in a form acceptable to the District. All data shall be referenced to National Geodetic Vertical Datum (NGVD). The frequency of water-level recording may be modified by the Regulation Department Director, Resource Regulation, as necessary to ensure the protection of the resource.

District ID No.	Permittee ID No.	Latitude/ Longitude	Aquifer	Recording Frequency
7	MONW	285744/823824	Floridan	Daily

Recording Frequency	Recording Time
Continuous Recording	Continuous hourly basis

The maximum and minimum of the 24-hour values (continuous recording) for each day shall be calculated, and only the maximum and minimum values for each day shall be reported to the Permit Data Section, Records and Data Department. The time and date that the water level is measured shall be reported with the data.

8. The Permittee shall continue to carry out the provisions of its water conservation plan submitted with the application for the duration of this permit. The Permittee shall submit a progress report by October 1, 2012.

WITHDRAWAL POINT QUANTITY TABLE

Water use from these withdrawal points are restricted to the quantities given below:

I.D. NO. PERMITTEE/ DISTRICT	DIAM. (IN.)	DEPTH TTL./CSD.FT. (feet bls)	USE	GALLONS PER DAY AVERAGE	PEAK MONTH
PW1A / 1	5	42 / 42	I	25,000	37,500
PW1B / 2	8	42 / 42	I	25,000	37,500
SPW3 / 3	10	90 / 36	I	380,000	570,000
SPW4 / 4	10	125 / 37	I	285,000	427,500
SPW5 / 5	10	72 / UNK	I	285,000	427,500

I = Industrial

WITHDRAWAL POINT LOCATION TABLE

DISTRICT I.D. NO.	LATITUDE/LONGITUDE	SECTION/TOWNSHIP/RANGE
1	285744.59/824156.39	33/17/16
2	285743.30/824156.18	33/17/16
3	285735.96/823804.53	31/17/17
4	285736.05/823808.88	36/17/16
5	285735.75/823819.13	36/17/16

STANDARD CONDITIONS:

The Permittee shall comply with the Standard Conditions attached hereto, incorporated herein by reference as Exhibit "A" and made a part hereof.

Authorized Signature
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

This permit, issued under the provision of Chapter 373, Florida Statutes and Florida Administrative Code 40D-2, authorizes the Permittee to withdraw the quantities outlined above, and may require various activities to be performed by the Permittee as described in the permit, including the Special Conditions. This permit does not convey to the Permittee any property rights or privileges other than those specified herein, nor relieve the Permittee from complying with any applicable local government, state, or federal law, rule, or ordinance.

40D-2
Exhibit "A"

WATER USE PERMIT STANDARD CONDITIONS

1. If any of the statements in the application and in the supporting data are found to be untrue and inaccurate, or if the Permittee fails to comply with all of the provisions of Chapter 373, F.S., Chapter 40D, or the conditions set forth herein, the Governing Board shall revoke this permit in accordance with Rule 40D-2.341, following notice and hearing.

2. This permit is issued based on information provided by the Permittee demonstrating that the use of water is reasonable and beneficial, consistent with the public interest, and will not interfere with any existing legal use of water. If, during the term of the permit, it is determined by the District that the use is not reasonable and beneficial, in the public interest, or does impact an existing legal use of water, the Governing Board shall modify this permit or shall revoke this permit following notice and hearing.

3. The Permittee shall not deviate from any of the terms or conditions of this permit without written approval by the District.

4. In the event the District declares that a Water Shortage exists pursuant to Chapter 40D-21, the District shall alter, modify, or declare inactive all or parts of this permit as necessary to address the water shortage.

5. The District shall collect water samples from any withdrawal point listed in the permit or shall require the Permittee to submit water samples when the District determines there is a potential for adverse impacts to water quality.

6. The Permittee shall provide access to an authorized District representative to enter the property at any reasonable time to inspect the facility and make environmental or hydrologic assessments. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.

7. Issuance of this permit does not exempt the Permittee from any other District permitting requirements.

8. The Permittee shall cease or reduce surface water withdrawal as directed by the District if water levels in lakes fall below applicable minimum water level established in Chapter 40D-8 or rates of flow in streams fall below the minimum levels established in Chapter 40D-8.

9. The Permittee shall cease or reduce withdrawal as directed by the District if water levels in aquifers fall below the minimum levels established by the Governing Board.

10. The Permittee shall practice water conservation to increase the efficiency of transport, application, and use, as well as to decrease waste and to minimize runoff from the property. At such time as the Governing Board adopts specific conservation requirements for the Permittee's water use classification, this permit shall be subject to those requirements upon notice and after a reasonable period for compliance.

11. The District may establish special regulations for Water Use Caution Areas. At such time as the Governing Board adopts such provisions, this permit shall be subject to them upon notice and after a reasonable period for compliance.

12. The Permittee shall mitigate any adverse impact to existing legal uses caused by withdrawals. When adverse impacts occur or are imminent, the District shall require the Permittee to mitigate the impacts. Adverse impacts include:

    A. A reduction in water levels which impairs the ability of the well to produce water;
    B. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or
    C. Significant inducement of natural or manmade contaminants into a water supply or into a usable portion of any aquifer water body.

13. The Permittee shall mitigate any adverse impact to environmental features or offsite land uses as a result of withdrawals. When adverse impacts occur or are imminent, the District shall require the Permittee to mitigate the impacts. Adverse impacts include:

    A. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses;
    B. Sinkholes or subsidence caused by reduction in water levels;
    C. Damage to crops and other vegetation causing financial harm to the owner; and
    D. Damage to the habitat of endangered or threatened species.

14. When necessary to analyze impacts to the water resource or existing users, the District shall require the Permittee to install flow metering or other measuring devices to record withdrawal quantities and submit the data to the District.

15. A District identification tag shall be prominently displayed at each withdrawal point by permanently affixing the tag to the withdrawal facility.

16. Notwithstanding the provisions of Rule 40D-1.6105, F.A.C., persons who wish to continue the water use permitted herein and who have acquired ownership or legal control of permitted water withdrawal facilities or the land on which the facilities are located must apply to transfer the permit to themselves within 45 days of acquiring ownership or legal control of the water withdrawal facilities or the land.

17. All permits issued pursuant to these Rules are contingent upon continued ownership or legal control of all property on which pumps, wells, diversions or other water withdrawal facilities are located.

Florida Department of
Environmental Protection
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

August 7, 2008

- CERTIFIED MAIL - RETURN RECEIPT REQUESTED -

Mr. Michael Shrader
Lead Environmental Specialist
Progress Energy Florida, Inc.
St. Petersburg, FL 33733

RE: Crystal River Energy Complex
Modification to Conditions of Certification
DEP Case Number PA 77-09L
OGC Case Number 08-0597

FINAL ORDER MODIFYING CONDITIONS OF CERTIFICATION

Dear Mr. Shrader:

The Florida Pollution Control Board issued the Site Certification for the Progress Energy Florida's (PEF) Crystal River Units 4 and 5 on November 21, 1978. This certification authorized the construction and operation of two 640 MW coal-fire power plant units (Units 4 and 5) and ancillary facilities. The Department of Environmental Protection (Department) has modified the Conditions of Certification by Final Order on eleven other occasions by final orders.

The Department has reviewed PEF's petition dated April 3, 2008 for modification to the Conditions of Certification. The Department has also initiated additional modifications. Pursuant to 403.516 (1) (c), Florida Statutes ("F.S."), the Department may modify the terms and conditions of a site Certification upon its own initiative.

On or before June 9, 2008, all parties to the certification proceeding were provided with notice by certified mail of the Department's intent to modify the Conditions of Certification for this facility, along with a copy of the proposed Order Modifying Conditions of Certification.

On June 27, 2008, notice of the Department's intent to modify the Conditions of Certification for this facility was published on the Florida Administrative Weekly (FAW). Pursuant to Section 403.516, Florida Statutes ("F.S."), and Rule 62-17.211, Florida Administrative Code ("F.A.C."), all parties to the certification proceeding have 45 days from the issuance of notice by mail to such party's last address of record in which to file a written objection to the modification; that any person who is not already a party to the certification proceeding and whose substantial interests will be affected by the requested modification has 30 days from the date of publication of the public notice in the Florida Administrative Weekly to object in writing; that failure to act within the time frame constitutes a waiver of the right to become a party; and that the Department will issue an Order Modifying the Conditions of Certification for this facility if no written objections are received by the Department.

No objections to the modification have been received by the Department. The Conditions of Certification for the Crystal River Units 4 and 5 are hereby modified as follows:

General No Change

Special

I. No change.

II. Water Discharges

A. No change.

B. Water Monitoring Programs

1. No change
2. Groundwater Monitoring

a. No change

b. The groundwater monitoring program shall be implemented at least one year prior to operation of Crystal River No. 4. The chemical analyses shall be in accord with the latest edition of *Standard Methods for the Analysis of Water and Wastewater*. The data shall be submitted within 30 days of collection/analysis to the Southwest Florida Water Management District (SWFWMD) and to the ~~DER~~ DEP Southwest District Office.

c. No change

C. through D. No Change

III. Southwest Florida Water Management District (SWFWMD)- Groundwater

~~**A. General**~~

~~The use of groundwater from a linear well field for plant service water for Units 4 and 5 shall be minimized to the greatest extent practicable, but in no case shall exceed 3 mgd on a maximum daily basis from any new wells or 1.0 mgd on an average annual basis.~~

~~**B. Well Criteria**~~

~~The submission of well logs and test results and location, design and construction of wells to provide plant service water shall be in accordance with applicable rules of the Department of Environmental Regulation and the Southwest Florida Water Management District (SWFWMD). Total water use per month shall be reported monthly to SWFWMD commencing with the start of construction.~~

~~**C. Well Withdrawal Limits**~~

~~PEF is authorized to make a combined average annual withdrawal of 1,000,000 gallons of water per day with a maximum combined withdrawal rate not exceed 3,000,000 gallons during a single day. Withdrawals may be made from a linear well field consisting of up to seven (7) wells whose locations are prescribed in the table below.~~

~~**WITHDRAWAL POINT**~~			~~**GALLONS PER DAY**~~	
~~**PEF Well No.**~~	~~**LATITUDE**~~	~~**LONGITUDE**~~	~~**MAXIMUM**~~	~~**AVERAGE**~~
~~PW-1~~	~~28 57 36~~	~~82 37 48~~	~~756,000~~	~~459,375~~
~~PW-2~~	~~28 37 36~~	~~82 37 42~~	~~756,000~~	~~459,375~~
~~PW-3~~	~~28 57 36~~	~~82 37 36~~	~~756,000~~	~~459,375~~
~~PW-4~~	~~28 57 36~~	~~82 37 30~~	~~756,000~~	~~459,375~~
~~PW-5~~	~~28 57 36~~	~~82 37 24~~	~~756,000~~	~~*~~
~~PW-6~~	~~28 57 36~~	~~82 37 18~~	~~756,000~~	~~*~~
~~PW-7~~	~~28 57 36~~	~~82 37 13~~	~~756,000~~	~~*~~
~~Combined Maximum:~~			~~3,000,000~~	~~1,000,000~~

~~* Wells PW-5, PW-6, and PW-7 are not in current use and shall only be used in emergency situations. If more than the existing four wells are placed into operation, then the average withdrawal rate limit for each well will default to 262,500 GPD.~~

~~**D. Water Use Restriction**~~

~~Said water is restricted to uses other than main steam condensing. Any change in the use of said water will require a modification of this condition.~~

~~**E. Emergency Shortages**~~

~~In the event an emergency water shortage should be declared pursuant to Section 373.175 or 373.246, F.S., by Southwest Florida Water Management District, for an area including the location of these withdrawal points, the Department, pursuant to Section 403.516, F.S., may alter, modify, or declare to be inactive, all or parts of Special Condition III. A-G. An authorized Water Management District representative, at any reasonable time, may enter the property to inspect the facilities.~~

~~**F. Monitoring and Reporting**~~

~~PEF shall, within the time limits hereinafter set forth, complete the following items, and if it fails to complete them by the specified time, then Special Condition III. A-G shall automatically become null and void.~~

~~1. PEF shall install and continuously maintain totalizing flow measurement devices on withdrawal point(s) as listed. Said devices shall have and maintain an accuracy within five percent of the actual flow under the installed operating conditions.~~

~~Licensee shall notify the District upon completion of new installation prior to commencement of withdrawal.~~

~~Alternative flow measuring systems may be substituted upon written approval by the Director of the Regulatory Division of SWFWMD in advance of installation.~~

~~2. PEF shall submit to SWFWMD, of forms available from the District, a record of pumpage for each meter installed in F. 1. above. Said pumpage shall be provided on a monthly basis. Reports will be sent to:~~

~~Chief, Processing and Records~~
~~Southwest Florida Water Management District~~
~~5060 U.S. Highway 41, South~~
~~Brooksville, Florida 33512~~

~~3. PEF shall maintain and operate continuous water level recorders on wells MZ-2I, MZ-2D, and PW-7 located at Progress Energy Florida pump test site in Citrus County, Florida. PEF shall manually measure water levels monthly in wells MZ-2S, MZ-1S, MZ-1I and MZ-1D. Detailed hydrographs of water level fluctuations shall be constructed with the data collected from the water level recorders and shall be submitted to SWFWMD monthly.~~

~~4. Water quality analysis shall be performed of water withdrawn from each production well and from wells MZ-2I and MZ-2D. The water samples collected from each of the referenced wells shall be collected immediately after removal by pumping of a quantity of water equal to two casing volumes. The water quality analyses shall be performed monthly during the first year of operation, four times (January, May, September and December) during the second year and twice each year (May and September) thereafter. Results shall be submitted to SWFWMD by the fifteenth (15th) day of the month following the month during which such analyses were performed. Testing for the following constituents is required:~~

~~Calcium~~ ~~Magnesium~~ ~~Sodium~~

~~Potassium~~ ~~Bicarbonate~~ ~~Sulfate~~
~~Chloride~~ ~~Nitrate~~ ~~Total Dissolved Solids~~
~~Specific Conductance~~ ~~Gross Alpha Radiation~~ ~~Total Phosphate~~
~~Radium 226 (only if gross Alpha is greater than 15 pci/l)~~

~~5. In the event that SWFWMD determines there is a significant change in the water quality, the Department pursuant to Section 403.516, F.S., may require the Licensee to reduce or cease withdrawal from these groundwater sources.~~

~~G. Minimum Water Level Restrictions~~

~~The Department and SWFWMD may, at a future date pursuant to Section 403.516, F.S., establish a minimum water level in the aquifer or aquifers hydrologically associated with these withdrawals, which may require PEF to reduce or cease withdrawal from these groundwater sources at times when water levels fall below these minimums.~~

~~H. Leachate~~

~~1. Compliance~~

~~Leachate from the ash landfill, coal storage piles, plant drains collection pond, canal retention system and ditches shall not contaminate waters of the State (including both surface and groundwaters) in excess of the limitations of Chapter 17-3, FAC.~~

~~2. Monitoring~~

~~A monitoring well system shall be used, commencing with operation, to determine whether or not leachate from the plant drains collection pond, canals, ditches, the ash landfill and coal pile is reaching the groundwater in violation of Chapter 17-3. The Licensee shall keep a monthly record of the monitoring results and shall notify the Southwest district Office of the Department and the Southwest Florida Water Management District when said measurements exceed water quality standards. A quarterly summary of the results of monitoring shall be provided to the Southwest District Manager. The proposed monitoring well system shall be submitted to the Department for approval prior to installation.~~

~~3. Corrective Action~~

~~When the leachate monitoring system indicates to the Department violation of the groundwater quality standards of Chapter 17-3, FAC, the appropriate ditches, pond, ash landfill, or coal pile shall be sealed, relocated or closed, or the operation of the affected facility shall be altered in such a manner as to assure the Department that no significant contamination of the groundwater will occur.~~

A. Withdrawal Quantities and Facilities

District ID/Owner ID	Water Allocation Average Gallons per Day	Well Casing/Depth Feet	STATUS
1/PW-1	250,000	35/200	EXISTING
2/PW-2	250,000	47/200	EXISTING
3/PW-3	250,000	60/200	EXISTING
4/PW-4	250,000	41/200	EXISTING
5/PW-5	521,520	35/200	EXISTING
6/PW-6	521,520	50/200	EXISTING
7/PW-7	521,520	50/200	EXISTING
14/PW-8	521,520	50/200	PROPOSED
15/PW-9a	521,520	50/200	PROPOSED

16/PW-10a	521,520	50/200	PROPOSED
Total All Wells	4,309,000		

B. Submit Reports/Data

All reports and data required by these conditions of certification shall be submitted to the SWFWMD according to the due dates contained in the specific condition. If the report or data is received on or before the tenth day of the month following data collection, it shall be deemed as a timely submittal. The Licensee may use the SWFWMD's website to submit data, plans or reports online. To set up an account, the Licensee can address the request to permitdata@watermatters.org. All mailed reports and data are to be sent to:

Permit Data Section, Regulation Performance Management Department
Southwest Florida Water Management SWFWMD
2379 Broad Street
Brooksville, Florida 34604-6899

Submission on plans and reports: Unless submitted online or otherwise indicated in the special condition, the original and two copies of each plan and report required herein.

Submission of Data: Unless submitted online or otherwise indicated in the special condition, an original (no copies) is required for data submittals such as meter readings and/or pumpage, rainfall, water level, evapotranspiration, or water quality data.

C. Environmental Impacts, Monitoring, and Mitigation: Environmental Assessment

1. Environmental Monitoring Plan

Licensee shall submit an Environmental Monitoring Plan for SWFWMD review and approval within 90 days of conditions of certification issuance. The monitoring plan, at a minimum shall utilize the SWFWMD's Wetland Assessment Procedure to evaluate the relative condition of surface waters and wetlands in areas affected by water withdrawals of Licensee. Upon SWFWMD approval, the plan shall be implemented and monitoring reports shall be provided in the annual monitoring report required by Condition No. C.6. After two years of monitoring following groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, the Licensee may request the SWFWMD release the Licensee from monitoring. If the SWFWMD concurs with the request, the SWFWMD will request DEP modify the conditions of certification to remove the monitoring condition.

2. Data Collection:

Licensee shall maintain and monitor the environmental monitoring sites included in the approved monitoring plan. Water levels for monitor wells and staff gauges for the sites included in the monitoring plan shall be referenced to National Geodetic Vertical Datum (NGVD) and reported in a form acceptable to the SWFWMD by the 10th day of each month for the preceding month. The time and date that the elevation is taken shall be included. Any changes to the methods or frequency of monitoring for any of these data collection programs must be approved by the SWFWMD.

3. Licensee shall install and thereafter maintain SWFWMD-approved staff gauges and shall report measurements of water levels, as indicated in the monitoring plan. Water levels shall be recorded and reported to the SWFWMD on or before the tenth day of the following month. To the maximum extent possible, water levels shall be recorded as indicated in the monitoring plan. The frequency of recording may be modified by the SWFWMD as necessary to ensure protection of the resource.

4. Licensee shall maintain a continuous recording rain gauge within the area. Total daily rainfall shall be recorded at this station and submitted to the SWFWMD (on SWFWMD forms or on line) on or before the tenth day of the following month. The reporting period for these data shall begin on the first day of each month and end on the last day of each month.

5. Licensee shall monitor water levels in the monitor wells and piezometers as specified in the monitoring plan. Reports of the data shall be submitted to the SWFWMD in a form acceptable to the SWFWMD. All data shall be referenced to NGVD. The frequency of water-level recording may be modified by the SWFWMD as necessary to ensure the protection of the resource.

6. Annual Environmental Monitoring Reports

Licensee shall submit an annual environmental monitoring data summary by January 1st of each year for the preceding water year (October 1 - September 30). The Annual Monitoring Report shall include all raw data, essential graphs, tables, and text. Monitoring progress at each site shall be summarized in the Annual Monitoring Report, as specified below. Licensee shall submit three copies of the Annual Monitoring Report each year. Interpretive reports of wellfield environmental conditions shall incorporate all environmental monitoring sites used. The Annual Monitoring Report shall assess relationships between water level fluctuations, well pumpage, atmospheric conditions, and drainage factors related to the environmental condition of the wetlands and surface waters in the vicinity of the conditions of certification area. Pumpage data, wetland, water level data collected from the aquifer and for the region, and environmental parameters collected at the wellfield and in the region shall be used for the report results. Statistical trend analysis, such as double-mass curve analysis, multiple linear regression, time series analysis and/or factor analysis shall be performed to analyze the interactions of rainfall and pumpage on surficial water levels, potentiometric levels in the semi-confined aquifers, surface waters, and wetland water levels, rate of soil subsidence, and evidence of vegetational succession. Data shall be obtained through field measurements and aerial photo interpretation. A brief summary of any recommended changes to the monitoring requirements shall be provided.

D. Alternative Water Supply Implementation

The Licensee shall investigate the development of one or more alternative water supply projects to supply the water supply demands to offset all or a portion of the groundwater allocated by these conditions of certification. Alternative water supplies include seawater desalination, brackish surface or ground water, water that has been reclaimed after one or more uses, stormwater, and any other water supply source designated as non-traditional for a water supply planning region in the applicable regional water supply plan. Unless the Environmental Monitoring specified in Condition 2. above and the aquifer performance testing indicate that adverse environmental impacts are not occurring and are not predicted to occur, the Licensee shall either mitigate impacts in accordance with a plan accepted by the SWFWMD, or, select and implement an alternative water supply project, in accordance with the following schedule:

1. Within 6 months of groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, the Licensee shall submit for SWFWMD approval, an Alternative Water Supply Plan. The Alternative Water Supply Plan shall evaluate, identify, and propose alternative water supply development of at least three million two hundred thousand (3,200,000) gallons per day (gpd).

2. Within 2 years of groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, Licensee shall submit to SWFWMD, a preliminary design of the approved alternative water supply project that the Licensee will implement.

3. Within 2 years of groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, the

Licensee shall provide an analysis of environmental conditions as specified in Condition C. above. If SWFWMD determines that adverse environmental impacts are not occurring and not predicted to occur, the Licensee may seek an extension of time or waiver for implementing the alternative water supply project. If SWFWMD determines that adverse environmental impacts are occurring or are predicted to occur, the alternative water supply project schedule must be maintained. If adverse environmental impacts are occurring or predicted to occur, the alternative water supply quantity required to be developed will be determined based upon a revised hydrogeologic evaluation performed by the Licensee and accepted by SWFWMD.

4. Within 2 years of groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, submit to the Florida Department of Environmental Protection and SWFWMD, applications for authorization to develop and use at least 3,200,000 gpd of water from the project as appropriate, unless an extension of time or waiver has been granted by SWFWMD.

5. Within 2 years of groundwater use rising to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, submit to SWFWMD an alternative water supply implementation schedule detailing the dates when construction will begin and end, and the date when water will be delivered from the project for use by the Licensee. In no event shall the time when water is supplied by the project be more than more than 4 years after groundwater use has risen to more than 3 million gallons per day (average annual daily withdrawal quantity) from all the wells included in this site certification, unless an extension of time for just cause or otherwise modified in writing by SWFWMD has been granted by SWFWMD.

6. Compliance with the Alternative Water Supply Implementation Schedule is required by the Licensee, unless extended or otherwise modified in writing by SWFWMD. Each year, by March 1, after the water use triggers described above, the Licensee shall submit to SWFWMD a status report describing the progress made on the Alternative Water Supply Implementation Schedule, including the specific actions taken to meet the requirements set forth above. If the project has fallen behind schedule, Licensee shall provide just cause for the delay and/or explain how the Licensee will comply with the schedule described herein.

E. Compliance Reporting

The Licensee shall submit a compliance report beginning January 28, 2013 and at 5 year intervals after the issuance date of these conditions of certification. The report must contain sufficient information to demonstrate reasonable assurance that the withdrawals and use of water authorized by these conditions of certification continue to meet the substantive requirements set forth in Chapter 40D-2, F.A.C., and SWFWMD's Water Use Permit Information Manual Part B, Basis of Review. The compliance report must include:

1. Information documenting water demands and updated demand projections demonstrating that allocations from all sources in the conditions of certification will continue to be needed for the remainder of the conditions of certification duration;

2. Documentation verifying that the sources are capable of supplying the needs authorized by these conditions of certification without causing harm to water and water-related resources;

3. Documentation verifying that the use of water is efficient and that the Licensee is implementing all feasible water conservation measures;

4. An updated ground water modeling analysis and data analysis demonstrating that the use of groundwater does not interfere with legal uses existing at the time of issuance of this modification of the conditions of certification;

5. An updated ground water modeling analysis, along with statistical analyses of water-level and wetland monitoring data, demonstrating that the use does not cause adverse impacts to wetlands, and surface waters, or violations of MFLs;

6. Documentation that ground water withdrawals by the Licensee are not causing or contributing to significant saltwater intrusion, including but not limited to review and statistical analyses of groundwater level and water quality data collected by the Licensee under these conditions of certification;

7. Information demonstrating that the lowest quality source of water is being used to meet the water demands.

Following review of this report, SWFWMD may seek modification of the conditions of certification to ensure that the use continues to meet the substantive conditions for the consumptive use of water as set forth in Section 373.223, F.S., and Chapter 40D-2, F.A.C.

F. Pumpage Reporting

Licensee shall meter withdrawals and record meter readings from each withdrawal point and water supply line on a monthly basis within the last week of the month. The meter readings shall be reported to the SWFWMD on or before the tenth day of the following month. If a metered withdrawal is not utilized during a given month, the meter report shall be submitted to the SWFWMD indicating the same meter reading as was submitted the previous month. The following withdrawals shall be metered:

Withdrawal facilities that are not yet constructed shall install meters on SWFWMD ID Nos. **5, 6, 7, 14, 15, 16,** Licensee ID Nos. **PW-5, PW-6, PW-7, PW-8, PW-9a, PW-10a,** within 90 days of completion of construction of the withdrawal facilities.

Licensee shall continue to maintain and operate existing, non-resettable, totalizing flow meters or other flow measuring devices as approved by the Brooksville Regulation Department Director on SWFWMD ID Nos. **1, 2, 3, 4,** Licensee ID Nos. **PW-1, PW-2, PW-3, PW-4.**

All meters shall adhere to the following descriptions and shall be installed and maintained as follows:

1. The meters shall be non-resettable, totalizing flow meters with totalizers of sufficient capacity to retain total gallon data for a minimum of the three highest consecutive months. If other measuring devices or other accounting methods are proposed, Licensee shall submit documentation that the other measuring devices or accounting method meet the stipulations listed in this condition, prior to installation. Approval for other measuring devices or accounting methods shall be obtained in writing from the Brooksville Regulation Department Director.

2. Flow meters or other approved devices shall have and maintain accuracy within five percent of the actual flow as installed.

3. The flow meter-water piping system shall be designed for inline field access for meter accuracy testing. The meter shall be tested for accuracy on-site, as installed, every five years beginning from the date of its installation for new meters or from the date of initial issuance of these conditions of certification containing the metering condition with an accuracy-test requirement for existing meters, unless Licensee submits documentation to the satisfaction of the SWFWMD that a longer period of time for testing is warranted. The test shall be performed by a person certified to use the test equipment. If the actual flow is found to be greater than five percent different from the measured flow, within 30 days, Licensee shall have the meter re- calibrated, repaired, or replaced. Documentation of the test and a certificate of re-calibration, if applicable, shall be submitted within 30 days of each test or recalibration. If the accounting method involves a meter belonging to another entity or to the water supplier, Licensee shall submit documentation from the owner/ supplier that the meter readings continue to be accurate to five percent of the actual flow as installed. Such documentation is subject to approval by the SFWMD.

4. The meter shall be installed according to the manufacturer's instructions for achieving accurate flow to the specifications above, or it shall be installed in a straight length of pipe with at least an upstream length equal to ten times the outside pipe diameter and a downstream length equal to two times the outside pipe diameter. If sufficient pipe length is not available, flow straightening vanes shall be used in the upstream line.

5. If the meter or other flow measuring device malfunctions or has to be removed from the water supply line for maintenance or repair, Licensee shall notify the SWFWMD within 30 days of discovery and replace it with a repaired or new meter, subject to the same specifications given above. The repaired or replacement meter shall be installed within 30 days of discovery. If the meter is removed for any other reason, it shall be replaced with another meter having the same specifications given above, or the meter shall be reinstalled within 30 days of its removal. In either event, a fully functioning meter shall not be off the water supplies line for more than 60 consecutive days.

6. While the meter is being repaired or replaced, Licensee shall provide an estimate of the water supply quantities used by multiplying the number of hours the water supply was used by the capacity of the pump or mainline diameter. The estimate of the number of gallons used each month during that period shall be noted as an estimate when it is submitted to theSWFWMD.

7. In the event a new meter is installed to replace a broken meter, the replacement meter and its installation shall meet the specifications of this condition. Licensee shall notify the SWFWMD of the replacement with the first submittal of meter readings from the new meter.

G. Distribution Flexibility

The average day, peak monthly, and maximum daily, if applicable, quantities for District ID No(s) **1, 2, 3, 4, 5, 6,7, 14, 15, 16** Licensee ID No(s): **PW-1, PW-2, PW-3, PW-4, PW-5, PW-6, PW-7, PW-8, PW-9a, PW-10a** shown above in the production withdrawal table are estimates based on historic and projected distribution of pumpage, and are for water use inventory and impact analysis purposes. The quantities listed in the table for these individual sources are not intended to dictate the distribution of pumpage from the withdrawal sources. The Licensee may make adjustments in pumpage distribution as necessary up to **125 percent** on an average basis, up to **125 percent** on a peak monthly basis, so long as adverse environmental impacts do not result and other conditions of this certification are complied with. In all cases, the total average annual daily withdrawal and the total peak monthly daily withdrawal are limited to the quantities set forth above.

H. Water quality sampling

1. Water quality samples shall be collected and analyzed for parameters and at the frequencies specified below. Water quality samples from production wells shall be collected from all wells, unless infeasible. If sampling is infeasible, Licensee shall indicate the reason for not sampling on the water quality data form. Water quality samples shall be analyzed by a laboratory certified by the Florida Department of Health utilizing the standards and methods applicable to the parameters analyzed and to the water use pursuant to Chapter 64E-1, Florida Administrative Code, "Certification of Environmental Testing Laboratories". At a minimum, water quality samples shall be collected after pumping the well at its normal rate for a pumping time specified in the table below, or to a constant temperature, pH, and conductivity. In addition, Licensee's sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis. Any variance in sampling and/or analytical methods shall have prior approval of the Brooksville Regulation Department Director. Reports of the analyses shall be submitted to the Permit Data Section, Regulation Performance Management Department, (using SWFWMD forms) on or before the tenth day of the following month, and shall include the signature of an authorized representative and certification number of the certified laboratory which undertook the analysis. The parameters and frequencies of

sampling and analyses may be modified by the Brooksville Regulation Department Director, as necessary to ensure the protection of the resource.

Ditrict ID No.	Licensee ID No.	Minimum Pumping Time (minutes	Parameter	Sampling Frequency
1	PW-1	20 minutes	Chlorides, Sulfates, and T.D.S.	February, May, August, and November
2	PW-2	20 minutes		
3	PW-3	20 minutes		
4	PW-4	20 minutes		
5	PW-5	20 minutes		
6	PW-6	20 minutes		
7	PW-7	20 minutes		
14	PW-8	20 minutes		
15	PW-9a	20 minutes		
16	PW-10a	20 minutes		

Water quality samples shall be collected quarterly and on the same week of the months specified. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association-American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency (EPA).

2. Water quality samples from monitor wells shall be collected and analyzed for the District ID No., parameter(s), and frequency(ies) specified in the table below. Water quality samples shall be collected after pumping the monitor wells(s) to a constant temperature, pH, and conductivity. Sampling method(s) shall be designed to collect water quality samples that are chemically representative of the zone to be sampled. Water quality samples shall be analyzed by a laboratory certified by the Florida Department of Health utilizing the standards and methods applicable to the parameters analyzed and to the water use pursuant to Chapter 64E-1, Florida Administrative Code, "Certification of Environmental Testing Laboratories". The Permittee's sampling procedure(s) shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis. A report describing the sampling and chain of custody procedures shall be included with the first data submitted after the date this permit is granted, and upon any change in sampling and/or analytical method(s). Any variance in sampling and/or analytical methods shall have prior approval of the SWFWMD. Reports of the analyses shall be submitted on SWFWMD forms on or before the tenth day of the following month, and shall include the signature of an authorized representative and certification number of the certified laboratory that undertook the analysis. The parameters and frequency of sampling and analysis may be modified by the SWFWMD as necessary to ensure the protection of the resource.

District ID No.	Licensee ID No.	Parameter	Sample Frequency
8	MZ-2I	Chlorides,	May, September
9	MZ-2D	Sulfates, and TDS	
10	MZ-2S		
11	MZ-1S		
12	MZ-1I		
13	MZ-1D		

Water quality samples shall be collected based on the following timetable:

Semi-annually Same week of months specified

Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association-American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency (EPA).

3. The SWFWMD reserves the right to set chloride, sulfate or TDS concentration limits on any production well in the future, based on data collected and after a sufficient data base has been established to determine limits. These limits shall be required after discussions with the Licensee. At such time as the concentration in any water sample reaches or exceeds the designated concentration limits, the Licensee shall take appropriate action to reduce concentrations to below those set for the particular well. If the SWFWMD determines that long-term upward trends or other significant water quality changes are occurring, the SWFWMD may reconsider the quantities included in these conditions of certification.

4. During drilling of District ID Nos. **14, 15, 16**, Licensee ID Nos. **PW-8, PW-9a, PW-10a**, water quality samples shall be collected at intervals of the change of drill rod or 30 feet, which ever is less, from 150 feet to a maximum depth of five feet above the bottom of the well. Regardless of the specified sample collection interval, a sample shall be collected from the depth which corresponds to five feet above the bottom of the well. Samples shall be collected during reverse air drilling, or other appropriate method with prior approval by the SWFWMD.

Samples shall be analyzed by a certified laboratory for Chloride, Sulfate, and Specific Conductivity. Licensee's sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis. Reports of the analyses shall be submitted to the Permit Data Section, Regulation Performance Management Department (using SWFWMD forms) within thirty days of sampling, and shall include the signature of an authorized representative and the certification number of the Florida Department of Health certified laboratory utilizing the standards and methods applicable to the parameters analyzed and to the water use pursuant to Chapter 64E-1, Florida Administrative Code, "Certification of Environmental Testing Laboratories".

Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association-American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or by Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency (EPA).

5. Monthly water levels for monitor wells for the sites included in the table below shall be referenced to NGVD, and reported in a form acceptable to the SWFWMD by the **tenth** day of each month for the preceding month. The time and date that the elevation is taken shall be included. Changes to the methodology, extent, or frequency of monitoring at any of these sites may be modified by the SWFWMD, as necessary to ensure the protection of the resources.

District ID. No	Licensee Site No.
8	MZ-2I
9	MZ-2D
10	MZ-2S
11	MZ-1S
12	MZ-1I
13	MZ-1D

I. Wells

1. Wells not in use with no installed pumping equipment shall be capped or valved in a water tight manner in accordance with Rule 62-532.500(3)(a)(4), F.A.C.

2. Within 90 days of the completion of each proposed well, Licensee shall submit to the SWFWMD specific capacity (well testing) information from any test performed by the Water Well Contractor or pump installer on the well. This information shall include:

a. Static water level before pumping

b. Duration of test pumping

c. Gallons per minute pumped

d. Final water level measured during pumping

If step-drawdown tests were performed, the information listed above shall be submitted for each step.

3. Within 90 days of construction, Licensee shall submit to the Permit Data Section, Regulation Performance Management Department, the specific locations of District ID Nos. **14, 15, 16** Licensee ID Nos. **PW-8, PW-9a, PW-10a,** on an original blue line aerial with a minimum scale of one inch equals 800 feet, or by latitude/longitude. Intake and mainline diameters for each of the above pumps shall be reported at the time of location reporting.

4. For the purpose of determining site-specific transmissivity, a step drawdown and a multi well constant rate test shall be performed on one or more of the following: District ID Nos. **14, 15, 16** Licensee ID Nos. **PW-8, PW-9a, PW-10a,** after the wells have been fully developed. The test shall be performed in accordance with the specifications set forth in Design Aid 3, Water Use Permit Information Manual and an Aquifer Performance Testing (APT) Plan submitted to and approved by the SWFWMD. The APT Plan shall be submitted to the SWFWMD, within 90 days of the approval of the modification of the conditions of certification. The APT shall be conducted by the Licensee within 6 months of construction of the wells included in the APT Plan and prior to the use of any of the wells constructed for the APT'S. All recorded raw data shall be submitted to the SWFWMD within thirty (30) days of completion of the APT.

5. Within sixty (60) days, the Licensee shall designate one individual responsible for receiving and responding to the SWFWMD notices and correspondence related to these conditions of

certification. Notification to the SWFWMD of the designee, including address and telephone number shall be in written form.

6. Within 90 days of conditions of certification issuance, Licensee shall develop and implement a Water Conservation Plan (Plan) that includes practices currently employed or planned. For planned components, include an estimated time-frame for implementation for each. The Plan must indicate that technically and economically feasible water conservation opportunities have been or will be employed.

7. The lowest quality water source, including reclaimed water, surface water and stormwater, must be used for each consumptive use authorized by these conditions of certification when available, except when Licensee demonstrates that the use of the lower quality water source is determined to be not economically, environmentally, or technologically feasible, in accordance with the SWFWMD's Water Use Permit Information Manual Part B, Basis of Review, Sections 4.4 and 4.1 1.

8. Wetlands and other surface waters may not be adversely impacted as a result of the water use authorized by these conditions of certification. If unacceptable adverse impacts occur, the SWFWMD will request that DEP revoke these conditions of certification in whole or in part to curtail or abate the unacceptable adverse impacts, unless the impacts can be mitigated by Licensee.

J. Standard Conditions

Licensee shall comply with the following Standard Conditions:

1. If any of the statements in the application and in the supporting data are found to be untrue and inaccurate, or if Licensee fails to comply with all of the provisions of Chapter 373, F.S., Chapter 40D, or the conditions set forth herein, the SWFWMD shall seek revocation of any conditions of certification.

2. These conditions of certification are imposed based on information provided by Licensee demonstrating that the use of water is reasonable and beneficial, consistent with the public interest, and will not interfere with any existing legal use of water. If, during the term of this certification, it is determined by the SWFWMD that the use is not reasonable and beneficial, in the public interest, or does impact an existing legal use of water, the SWFWMD shall seek modification these conditions of certification or revocation of the certification authorized by DEP.

3. Licensee shall not deviate from any of the SWFWMD- imposed conditions of this certification without written approval by the Department and the SWFWMD.

4. In the event the SWFWMD declares that a Water Shortage exists pursuant to Chapter 40D-21, Licensee agrees that portions of these conditions of certification shall be modified, or declared inactive as necessary to address the water shortage.

5. The SWFWMD shall collect water samples from any withdrawal point listed in these conditions of certification or shall require Licensee to submit water samples when the SWFWMD determines there is a potential for adverse impacts to water quality.

6. Licensee shall provide access to an authorized SWFWMD representative to enter the property at any reasonable time to inspect the facility and make environmental or hydrologic assessments. Licensee shall either accompany the SWFWMD staff onto the property or make provision for access onto the property.

7. Licensee shall cease or reduce any surface water withdrawals as directed by the SWFWMD if water levels in surface water fall below applicable minimum water level established in Chapter 40D-8 or rates of flow in streams fall below the minimum levels established in Chapter 40D-8.

8. Licensee shall cease or reduce withdrawals if water levels in aquifers fall below the minimum levels established by the SWFWMD.

9. Licensee shall practice water conservation to increase the efficiency of transport, application, and use, as well as to decrease waste and to minimize runoff from the property. At such time as the SWFWMD adopts specific conservation requirements for Licensee's water use classification, these conditions of certification shall be modified accordingly.

10. The SWFWMD may establish special regulations for Water Use Caution Areas. At such time as the Governing Board adopts such provisions, these conditions of certification shall be subject to them upon notice and after a reasonable period for compliance.

11. Licensee shall mitigate any adverse impact to existing legal uses caused by withdrawals. When adverse impacts occur or are imminent, Licensee shall be required to mitigate the impacts. Adverse impacts include:

a. A reduction in water levels which impairs the ability of the well to produce water;

b. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or

c. Significant inducement of natural or manmade contaminants into a water supply or into a usable portion of any aquifer water body.

12. Licensee shall mitigate any adverse impact to environmental features or offsite land uses as a result of withdrawals. When adverse impacts occur or are imminent, the Licensee shall be required to mitigate the impacts. Adverse impacts include:

a. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses;

b. Sinkholes or subsidence caused by reduction in water levels;

c. Damage to crops and other vegetation causing financial harm to the owner; and

d. Damage to the habitat of endangered or threatened species.

13. When necessary to analyze impacts to the water resource or existing users, Licensee shall be required to install flow metering or other measuring devices to record withdrawal quantities and submit the data to the SWFWMD.

14. A SWFWMD identification tag shall be prominently displayed at each withdrawal point by permanently affixing the tag to the withdrawal facility.

15. Licensee shall notify the SWFWMD within 30 days of the sale or conveyance of permitted water withdrawal facilities or the land on which the facilities are located.

16. The annual average daily withdrawal quantity is determined by calculating the total quantity of water to be withdrawn over a one year period, divided by 365 days, which results in a gallons per day (gpd) quantity pursuant to Basis of Review, Section 3.2, Permitted Withdrawal Quantities. This is a running 12-month average, whereby each month the annual average daily quantity is recalculated based on the previous 12-month pumpage.

IV-XIII. No Change

A complete set of the Conditions of Certification (including attachments) can be viewed and downloaded from the following website: http://www.dep.state.fl.us/siting/Highlights/conditions.htm. Copies of the Conditions of Certification and/or attachments may also be obtained by contacting Michael P. Halpin, P.E., Administrator, Siting Coordination Office, Department of Environmental Protection, 2600 Blair Stone Road, M.S. 48, Tallahassee, Florida 32399-2400, (850) 245-8002.

Any party to the this Order has a right to seek judicial review of it pursuant to Section 120.68, Florida Statutes by filing a Notice of Appeal, pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 35, Tallahassee, Florida 32399-3000, and by filing a copy of the Notice of Appeal, accompanied by the applicable filing fees, with the appropriate SWFWMD Court of Appeal. The Notice of Appeal must be filed within thirty days from the date this Order is filed with the Clerk of the Department of Environmental Protection.

Executed in Tallahassee, Florida.

Michael P. Halpin, P.E.

Michael P. Halpin, P.E.
Administrator,
Siting Coordination Office

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Essie Turner 8/7/08
Clerk Date

Service List: CC by email (return receipt requested):

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Hydrology

Reference Request 5

1. **Production Well Data. A map of well locations is provided in the response to H-1.**

Progress Energy - Crystal River Energy Complex

Crystal River Units 1,2,3 Production Wells

Well No.	Diameter (In.)	Total Depth (ft. bls)	Cased Depth (ft. bls)	Permitted Yield (gpd) avg.	Permitted Yield (gpd) peak mo.
1a	5	42	42	25,000	37,500
1b	5	42	42	25,000	37,500
3	10	90	36	380,000	570,000
4	10	125	37	285,000	427,500
5	10	72	unk	285,000	427,500
			Total =	**1,000,000**	**1,500,000**

Crystal River Units 4&5 Production Wells

Well No.	Diameter (In.)	Total Depth (ft. bls)	Cased Depth (ft. bls)	Permitted Yield (gpd) avg.	Permitted Yield (gpd) peak mo.
1	10	200	35	250,000	281,250
2	10	200	47	250,000	281,250
3	10	200	60	250,000	281,250
4	10	200	41	250,000	281,250
5	10	200	35	521,520	586,710
6	10	200	50	521,520	586,710
7	10	200	50	521,520	586,710
8	10	200	50	521,520	586,710
9	10	200	50	521,520	586,710
10	10	200	50	521,520	586,710
			Total =	**4,129,120**	

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Progress Energy Inc.
15760 West Power Line Street
CN77-Cyndy Wilkinson
Crystal River, FL 34428-

August 7, 2009
Project No: 94054

Laboratory Report

Project Name	**Quarterly Production Wells Analyses - Crystal River North**
Sample Description	**PW-2**
Matrix	**Groundwater**
SAL Sample Number	**94054.02**
Date/Time Collected	**08/05/09 07:05**
Date/Time Received	**08/05/09 08:46**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Field Parameter							
Specific Conductance	umhos/cm	503	DEP FT1200		08/05/09 07:05		LRW
Water Temperature	C	23.0	DEP FT1400		08/05/09 07:05		LRW
pH	Units	7.0	DEP FT1100		08/05/09 07:05		LRW
Dissolved Oxygen	mg/l	1.1	DEP FT1500		08/05/09 07:05		LRW
Turbidity	NTU	1.4	DEP FT1600		08/05/09 07:05		LRW
Inorganics							
Chloride	mg/l	10	EPA 300.0	0.05	08/06/09 03:34		VWC
Sulfate	mg/l	4.9	EPA 300.0	0.2	08/06/09 03:34		VWC
Total Dissolved Solids	mg/l	220	SM 2540C	10	08/07/09 10:50	08/05/09 11:40	EPL

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Progress Energy Inc.
15760 West Power Line Street
CN77-Cyndy Wilkinson
Crystal River, FL 34428-

August 7, 2009
Project No: 94054

Laboratory Report

Project Name	**Quarterly Production Wells Analyses - Crystal River North**
Sample Description	**PW-3**
Matrix	**Groundwater**
SAL Sample Number	**94054.03**
Date/Time Collected	**08/05/09 07:15**
Date/Time Received	**08/05/09 08:46**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Field Parameter							
Specific Conductance	umhos/cm	445	DEP FT1200		08/05/09 07:15		LRW
Water Temperature	C	22.9	DEP FT1400		08/05/09 07:15		LRW
pH	Units	7.0	DEP FT1100		08/05/09 07:15		LRW
Dissolved Oxygen	mg/l	1.2	DEP FT1500		08/05/09 07:15		LRW
Turbidity	NTU	0.80	DEP FT1600		08/05/09 07:15		LRW
Inorganics							
Chloride	mg/l	8.8	EPA 300.0	0.05	08/06/09 03:51		VWC
Sulfate	mg/l	4.7	EPA 300.0	0.2	08/06/09 03:51		VWC
Total Dissolved Solids	mg/l	210	SM 2540C	10	08/07/09 10:50	08/05/09 11:40	EPL

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

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Progress Energy Inc.
15760 West Power Line Street
CN77-Cyndy Wilkinson
Crystal River, FL 34428-

August 7, 2009
Project No: 94054

Laboratory Report

Footnotes

*	Test results presented in this report meet all the requirements of the NELAC standards.
**	A statement of estimated uncertainty of test results is available upon request.
***	For methods marked with ***, all QC criteria have been met for this method which is equivalent to a SAL certified method.

FDOH Laboratory No. E84129
NELAP Accredited

Approved By: Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 94054

Client Name: Progress Energy Inc.	Contact / Phone: Cyndy Wilkinson 352/464-7739
Project Name / Location: Quarterly Production Wells Analyses - Crystal River North	
Samplers: (Signature) Lary Ward	PARAMETER / CONTAINER DESCRIPTION

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	1LP, Cool Chloride, SO_4, TDS								No. of Containers (Total per each location)
01	PW-1 (well is inoperable)	~~8/5/09~~		GW		X	1								1
02	PW-2	8/5/09	0705	GW		X	1								1
03	PW-3	↓	0715	GW		X	1								1
04	PW-4 (well is inoperable)	~~↓~~		GW		X	1								1

Relinquished	Date/Time	Received	Date/Time
Containers Prepared/ Relinquished: [signature]	0945 08-04-09	Received: Lary Ward	8/4/09 1040
Relinquished: Lary Ward	8/5/09 0844	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Check	Y	N	N/A
Seal intact?	Y	N	N/A (circled)
Samples intact upon arrival?	Y (circled)	N	N/A
Received on ice? Temp____	Y (circled)	N	N/A
Proper preservatives indicated?	Y	N	N/A (circled)
Rec'd within holding time?	Y (circled)	N	N/A
Volatiles rec'd w/out headspace	Y	N	N/A (circled)
Proper containers used?	Y (circled)	N	N/A

Instructions / Remarks

~~*Analyze for Radium 226 only is Gross alpha is >15 pCi/L.~~

~~Total Phosphorus Removed & Ortho-Phosphate Added 07/06/06.~~

Chain of Custody.xls
Rev.Date 11/18/01

Chain of Custody

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Progress Energy, Inc.	Location:	Crystal River Plant	Contact:	Cyndy Wilkinson
				Phone:	352/464-7739
Date Sampled	8/5/09	SAL Project #	94054	Project Name	Quarterly Production Wells
Well Number	PW-1	Sample ID	.01	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)		WELL CAPACITY (gal/ft)		Screen Interval (Feet)	UNK	To	UNK	Static Depth to Water (Feet)		PURGE PUMP CODE	PP GP IBP
TOTAL WELL DEPTH (Feet)		REFERENCE ELEVATION (NGVD)		GROUND WATER ELEVATION (REFERENCE-STATIC)				TUBING DIAMETER (Inches)		TUBING CAPACITY (gal/ft)	

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (0.00 -) *

ONE WELL VOLUME		1/4 WELL VOLUME		3 WELL VOLUMES		5 WELL VOLUMES	

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME		TUBING LEGNTH		FLOW CELL VOLUME		EQUIPMENT VOLUME	
INITIAL TUBING LEGNTH IN WELL (FEET)		FINAL TUBING LEGNTH IN WELL (FEET)		PURGE TIME START		PURGE TIME END	
TOTAL PURGED							

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)				SAMPLER(S) SIGNATURES:			
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP TL TT	SAMPLE TUBING LEGNTH IN WELL (FEET)		SAMPLE PUMP FLOW RATE (mL/min)			
SAMPLING INITIATED		SAMPLING ENDED		FIELD CLEANED	Y N	CLEANING STEPS	
FIELD FILTERED?	Y N	FILTER SIZE (μm)		DUPLICATE	Y N	VOC COLLECTED BY REVERSE FLOW?	Y N N/A
SEMI-VOLS COLLECTED THROUGH TRAP?	Y N N/A						
PRESERVATION CHECKED IN FIELD?	Y N N/A	LIST PRESERVATIVES ADDED					
WEATHER CONDITIONS	Well is inoperative						
COMMENTS							

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: Date:

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Progress Energy, Inc.	Location:	Crystal River Plant	Contact:	Cyndy Wilkinson
				Phone:	352/464-7739
Date Sampled	8/5/09	SAL Project #	94054	Project Name	Quarterly Production Wells
Well Number	PW-2	Sample ID	.02	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)		WELL CAPACITY (gal/ft)		Screen Interval (Feet)	UNK	To	UNK	Static Depth to Water (Feet)		PURGE PUMP CODE	PP GP IBP
TOTAL WELL DEPTH (Feet)		REFERENCE ELEVATION (NGVD)		GROUND WATER ELEVATION (REFERENCE-STATIC)				TUBING DIAMETER (Inches)		TUBING CAPACITY (gal/ft)	

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (0.00 -) *

ONE WELL VOLUME		1/4 WELL VOLUME		3 WELL VOLUMES		5 WELL VOLUMES	

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME		TUBING LEGNTH		FLOW CELL VOLUME		EQUIPMENT VOLUME	
INITIAL TUBING LEGNTH IN WELL (FEET)		FINAL TUBING LEGNTH IN WELL (FEET)		PURGE TIME START		PURGE TIME END		TOTAL PURGED	

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0705					7.0	23.0	503	1.12	1.43	Clear	None

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)				SAMPLER(S) SIGNATURES:	Larry Ward		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP TL TT	SAMPLE TUBING LEGNTH IN WELL (FEET)			SAMPLE PUMP FLOW RATE (mL/min)		
SAMPLING INITIATED		SAMPLING ENDED		FIELD CLEANED	Y N	CLEANING STEPS	
FIELD FILTERED?	Y N	FILTER SIZE (µm)		DUPLICATE	Y N	VOC COLLECTED BY REVERSE FLOW?	Y N N/A	SEMI-VOLS COLLECTED THROUGH TRAP?	Y N N/A
PRESERVATION CHECKED IN FIELD?	Y N N/A	LIST PRESERVATIVES ADDED					
WEATHER CONDITIONS							
COMMENTS							

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By:		Date:	

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Progress Energy, Inc.	Location:	Crystal River Plant	Contact:	Cyndy Wilkinson
				Phone:	352/464-7739
Date Sampled	8/5/09	SAL Project #	94054	Project Name	Quarterly Production Wells
Well Number	PW-3	Sample ID	.03	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)		WELL CAPACITY (gal/ft)		Screen Interval (Feet)	UNK	To	UNK	Static Depth to Water (Feet)		PURGE PUMP CODE	PP GP IBP
TOTAL WELL DEPTH (Feet)		REFERENCE ELEVATION (NGVD)		GROUND WATER ELEVATION (REFERENCE-STATIC)				TUBING DIAMETER (Inches)		TUBING CAPACITY (gal/ft)	

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (0.00 -) *

ONE WELL VOLUME		1/4 WELL VOLUME		3 WELL VOLUMES		5 WELL VOLUMES	

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME		TUBING LEGNTH		FLOW CELL VOLUME		EQUIPMENT VOLUME	

INITIAL TUBING LEGNTH IN WELL (FEET)		FINAL TUBING LEGNTH IN WELL (FEET)		PURGE TIME START		PURGE TIME END		TOTAL PURGED	

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)
0715					7.0	22.9	445.2	1.23	0.77	Clear	None

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)				SAMPLER(S) SIGNATURES:	Jay Ward		
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP TL TT	SAMPLE TUBING LEGNTH IN WELL (FEET)		SAMPLE PUMP FLOW RATE (mL/min)			
SAMPLING INITIATED		SAMPLING ENDED		FIELD CLEANED	Y N	CLEANING STEPS	
FIELD FILTERED?	Y N	FILTER SIZE (μm)		DUPLICATE	Y N	VOC COLLECTED BY REVERSE FLOW?	Y N N/A
				SEMI-VOLS COLLECTED THROUGH TRAP?	Y N N/A		
PRESERVATION CHECKED IN FIELD?	Y N N/A	LIST PRESERVATIVES ADDED					
WEATHER CONDITIONS							
COMMENTS							

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By:		Date:	

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

GROUNDWATER SAMPLING LOG

Client Name:	Progress Energy, Inc.	Location:	Crystal River Plant	Contact:	Cyndy Wilkinson
				Phone:	352/464-7739
Date Sampled	8/5/09	SAL Project #	94054	Project Name	Quarterly Production Wells
Well Number	PW-4	Sample ID	.04	GPS LAT	
				GPS LONG	

PURGING DATA

WELL DIAMETER (Inches)		WELL CAPACITY (gal/ft)		Screen Interval (Feet)	UNK To UNK		Static Depth to Water (Feet)		PURGE PUMP CODE	PP GP IBP
TOTAL WELL DEPTH (Feet)		REFERENCE ELEVATION (NGVD)		GROUND WATER ELEVATION (REFERENCE-STATIC)			TUBING DIAMETER (Inches)		TUBING CAPACITY (gal/ft)	

Purge Technique: q Submerged Screen (1,1/4,1/4 Well) q Submerged Screen (1EQ Volume, 3, 3 Minutes) q Partially Submerged Screen (1 Well, 3,3 minutes)

WELL VOLUME = (TOTAL DEPTH - STATIC DEPTH) x WELL CAPICITY = (0.00 -) *

ONE WELL VOLUME		1/4 WELL VOLUME		3 WELL VOLUMES		5 WELL VOLUMES	

EQUIPMENT VOLUME = PUMP VOLUME + (TUBING CAPACITY X TUBING LEGNTH) + FLOW CELL VOLUME

PUMP VOLUME		TUBING LEGNTH		FLOW CELL VOLUME		EQUIPMENT VOLUME	

INITIAL TUBING LEGNTH IN WELL (FEET)		FINAL TUBING LEGNTH IN WELL (FEET)		PURGE TIME START		PURGE TIME END		TOTAL PURGED	

TIME	VOLUME PURGED (Gallons)	TOTAL VOLUME PURGED (Gallons)	PURGE RATE (gpm)	Depth to Water (Feet)	pH (SU) (Δ <0.2)	TEMP (oC) (Δ <0.2)	SP COND (uS/cm) (Δ <5%)	DO (mg/L) (% SAT <20)	TURBIDITY (NTUs) (<20 NTU)	COLOR (Describe)	ODOR (Describe)

Well Capacity (gallons/foot): 0.75"=0.02, 1.25"=0.06, 2"=0.16, 3"=0.37, 4"=0.65, 5"=1.02, 6"=1.47, 12"5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY / COMPANY (PRINT)				SAMPLER(S) SIGNATURES:			
TUBING MATERIAL CODE (CIRCLE ONE)	PP PE NP TL TT	SAMPLE TUBING LEGNTH IN WELL (FEET)			SAMPLE PUMP FLOW RATE (mL/min)		
SAMPLING INITIATED		SAMPLING ENDED		FIELD CLEANED	Y N	CLEANING STEPS	
FIELD FILTERED?	Y N	FILTER SIZE (μm)		DUPLICATE	Y N	VOC COLLECTED BY REVERSE FLOW?	Y N N/A
						SEMI-VOLS COLLECTED THROUGH TRAP?	Y N N/A
PRESERVATION CHECKED IN FIELD?	Y N N/A	LIST PRESERVATIVES ADDED					
WEATHER CONDITIONS	Well was inoperative						
COMMENTS							

PUMP CODES: PP=Peristaltic Pump, GP= Submersible Grundfos Pump, IBP= In-place Bladder Pump

TUBING MATERIAL CODES: PP= Polypropylene, PE= Polyethylene, NP= Non-inert Plastic, TL= Teflon Lined, TT= Teflon

Reviewed By: Date:

Southern Analytical Laboratories, Inc.
110 Bayview Blvd.
Oldsmar, FL 34677

Invoice

Date	Invoice #
08/07/2009	102269

Bill To
Patti Yates Progress Energy 15760 W. Power Line St. Crystal River, Florida 34428

P.O. No.	Terms	Date Received	Project No.
203739-00000	Net 30 Days	08/05/2009	94054

Qty	Description	Rate	Amount
	Groundwater Analyses, Quarterly Production Wells		
2	Chloride	12.00	24.00
2	Sulfate	12.00	24.00
2	Total Dissolved Solids	15.00	30.00
3.5	Sampling, including travel	60.00	210.00

Please remit this amount to the address above.
Thank you.

Total $288.00

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Progress Energy Inc.
15760 West Power Line Street
CN77
Crystal River, FL 34428-

September 22, 2009
Project No: 95608

Laboratory Report

Project Name	**CRS Units 1 and 2**
Sample Description	**PW-4**
Matrix	**Groundwater**
SAL Sample Number	**95608.01**
Date/Time Collected	**09/14/09 14:00**
Date/Time Received	**09/16/09 10:05**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Inorganics							
Chloride	mg/l	12	EPA 300.0	0.05	09/16/09 21:50		VWC
Sulfate	mg/l	9.9	EPA 300.0	0.2	09/16/09 21:50		VWC
Total Dissolved Solids	mg/l	230	SM 2540C	10	09/19/09 13:25	09/16/09 15:10	EPL

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

Progress Energy Inc.
15760 West Power Line Street
CN77
Crystal River, FL 34428-

September 22, 2009
Project No: 95608

Laboratory Report

Footnotes

*	Test results presented in this report meet all the requirements of the NELAC standards.
**	A statement of estimated uncertainty of test results is available upon request.
***	For methods marked with ***, all QC criteria have been met for this method which is equivalent to a SAL certified method.

S[redacted]RN ANALYTICAL LABORATORIES, INC.
110[redacted]OULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 9[redacted]38

Client Name Progress Energy FLA	Contact / Phone:
Project Name / Location CRS Units 1 & 2	Turn Around Time Requested (*Surcharges may apply) 24 Hour* ☐ 48 Hour* ☐ 5 Bus. Days* ☐ 10 Bus. Days ☐
Samplers: (Signature) Richard Jones	PARAMETER / CONTAINER DESCRIPTION

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	Cl, TDS, SO4 1L P, Cool								No. of Containers (Total per each location)
01	PW-4	9-14-09	1400	GW			1								

Page 3 of 3

Relinquished	Date/Time	Received	Date/Time
Containers Prepared/ Relinquished: Richard Jones	Date/Time: 9-15-09 0930	Received: UPS	Date/Time:
Relinquished: UPS	Date/Time:	Received: [signature]	Date/Time: 9/16/09 1005
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact?	Y	N	N/A
Samples intact upon arrival?	Y	N	N/A
Received on ice? Temp 0.4	Y	N	N/A
Proper preservatives indicated?	Y	N	N/A
Rec'd within holding time?	Y	N	N/A
Volatiles rec'd w/out headspace	Y	N	N/A
Proper containers used?	Y	N	N/A

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11/10/01

Southern Analytical Laboratories, Inc.
110 Bayview Blvd.
Oldsmar, FL 34677

Invoice

Date	Invoice #
09/21/2009	103562

Bill To
Patty Yates Progress Energy 15760 West Power Line St. Crystal River, Florida 34428

P.O. No.	Terms	Date Received	Project No.
203739-00000	Net 30 Days	09/16/2009	95608

Qty	Description	Rate	Amount
	Groundwater Analyses, CR Units 1 and 2		
1	Chloride	12.00	12.00
1	Sulfate	12.00	12.00
1	Total Dissolved Solids	15.00	15.00

Please remit this amount to the address above.
Thank you.

Total $39.00

Hydrology

Reference Request 6

1. **Environmental Management Plan**

PROGRESS ENERGY - CRYSTAL RIVER ENERGY COMPLEX

ENVIRONMENTAL MANAGEMENT PLAN

Conditions of Certification PA-77-09K

Citrus County, Florida

Prepared by:

EnHydro, LLC
334 East Lake Rd., #173
Palm Harbor, FL 34685-2427

&

Quest Ecology Inc.
735 Lakeview Dr.
Wimauma, FL 33598

Prepared for:

Progress Energy
15760 West Power Line St.
Crystal River, Florida 34428-6708

PROGRESS ENERGY – CRYSTAL RIVER ENERGY COMPLEX
ENVIRONMENTAL MANAGEMENT PLAN
Conditions of Certification PA-77-09K

1.0 INTRODUCTION

Progress Energy's Crystal River Energy Complex is located in Citrus County, Florida. Water use needs require the withdrawal of groundwater for plant operation and air pollution control. Groundwater wells for the plant are located along a power line corridor in Sections 31 and 32, Range 17 East, Township 17 South, in Citrus County, Florida (Figure 1). Currently there are four (4) active groundwater wells, three (3) installed wells which are not yet active, and three (3) additional wells that have been permitted and are currently being constructed. Condition #2 of the Conditions of Certification #PA-77-09K requires an Environmental Management Plan (EMP) be created to address the concerns of draw-down effects on surface waters and wetlands in the vicinity of the wellfield. The Southwest Florida Water Management District's (SWFWMD's) approval is being sought for the EMP proposed in this document.

2.0 METHODOLOGY

Monitoring methodology proposed for this project incorporates the use of the Wetland Assessment Procedure (WAP), and is further supported by hydrologic data collection from monitoring of shallow groundwater levels using piezometers and staff gages and by collecting rainfall data using a recording rain gauge. These methods are proposed in order to detect potential changes in shallow groundwater levels and changes in vegetation zonation within the cone of influence of the wellfield.

WAP Monitoring

The WAP was originally developed by the District in 2000 as part of the Environmental Management Plan (EMP – March 4, 2000), a plan for the collection of data to be used in the management of the Central System Wellfields included in Tampa Bay Water's Consolidated Water Use Permit. The objective of the WAP is to collect information on vegetation, hydrology, soils, and other pertinent variables in monitored wetlands to accurately characterize the ongoing biological condition and health of each wetland. It is important to understand that although the WAP seeks to document and monitor many aspects of wetland health, many of these aspects are not the procedure's focus. Many wetlands are also subject to negative health impacts caused by surrounding land management and drainage practices, encroaching development, cattle operations, exotic plant species introduction, disease, and other variables. The WAP attempts to focus on the collection of data that will be used to assess biologic changes caused by the hydrologic effects of groundwater withdrawals.

The results of the WAP include health assessment scores, observations, and other general information. One critical aspect of the procedure is the written documentation that explains various decisions made by the evaluator, as well as a written, ongoing history of the Progress Energy monitoring sites. The written explanations and comments are intended to document the evaluator's logic in deriving scores, provide a basis for ongoing quality control (as well as future correction of errors), and provide the evaluator the ability to document potentially important wetland health-related observations that may not be fully included in the current procedure. Therefore, it is important to realize that the written explanations, comments, and history are essential products of the WAP, and should not be considered optional. In-depth methods of the WAP transect set-up and evaluating the WAP procedure can be found at the following website:

http://www.swfwmd.state.fl.us/waterres/mtb/wap/files/wapmanual_octobertest.pdf

The WAP will take place bi-annually, typically in May/June and December. Standard WAP procedure only requires monitoring annually and is typically conducted in May/June. A report documenting all results will be submitted to the District annually.

Hydrologic Monitoring

A shallow piezometer will be installed within the upland directly adjacent to each of the WAP transect locations. Piezometer installation will be conducted by a licensed well driller under the supervision of an EnHydro professional geologist. The piezometers will be installed such that they intersect the first water-bearing zone beneath land surface. The piezometers will be constructed of two-inch diameter Schedule 40 PVC well casing, internally-threaded to a 10-ft section of 0.010-inch slotted well screen. A staff gage will be installed in the deepest portion of each of the wetlands proposed for WAP Transects and located at the "end" of each transect. Staff gage elevations and piezometer elevations will be surveyed by a licensed surveyor and referenced to National Geodetic Vertical Datum (NGVD). Monitoring of staff gages and peizometers will be conducted on a bi-weekly basis (twice per month, same weeks each month) by Progress Energy or their designee. Water levels will be collected and date and time recorded at each staff gage and piezometer location.

An additional staff gage (hydrologic monitoring station) will also be established within each of two (2) pond sites which appear to hold water on a permanent or semi-permanent basis. Locations of these two (2) hydrologic monitoring stations along with the WAP wetlands are provided on Figure 2. Approximate locations of WAP transect piezometers and staff gages are provide in Figure 3. Photographs of the two (2) ponds proposed for hydrologic monitoring stations are provided in Appendix A. Water level data will be submitted to the District on a District-approved form by the 10^{th} day of each month for the preceding month.

Total daily rainfall will be recorded utilizing a continuous recording gauge in the vicinity. Daily rainfall data will be submitted monthly to the District prior to the tenth day of the following month.

Proposed WAP Transect Locations

Four (4) WAP transects are proposed within three (3) herbaceous and/or shrubby wetland systems (Figure 2). Wetlands were systematically chosen based on positioning within the predicted 0.3-ft drawdown contours, discussions held with District staff, a field review of wetlands to determine optimal situation, and property access. Concentric rings of drawdown potential were considered when choosing the wetlands. Drawdown affect should be most evident near the center of the drawdown, so the initial focus was made on wetlands near the center of the wellfield alignment. During meetings held with District staff, several wetlands were identified as preferable and review of these wetlands was given priority. Field review of wetlands (September 10, 2008 and again on October 28th w/ District staff) took into consideration which wetlands were most likely to include at least two of the three target hydrologic zones (Transitional, Outer Deep, and Deep) as described in the WAP procedure. Additionally, preference was placed on wetlands that had indicators of historic normal pool and an intact or a relatively natural historic wetland / upland edge. Property access was also a concern and is still being coordinated for Wetland #1. Proposed monitoring wetlands and the number of transects is described in detail below and graphically represented in Figure 3.

<u>Wetland #1</u>

Wetland #1 is a large, shallow herbaceous marsh with a central shrubby wetland. This system transitions from a relatively wide transitional zone through an outer deep zone and finally into a deep shrubby pocket which is dominated by a button bush (*Cephalanthus occidentalis*) community. Demarcation of the WAP zones will be conducted during the establishment of transects.

Two (2) transects are proposed for this wetland system with estimated locations provided on Figure 3. A photograph provided in Appendix A was taken along the proposed transect gradient. Final positioning of transects will be determined during the field installation and based on best conditions and field judgment. A natural wetland edge (saw palmetto fringe) still exists on the northeastern side of this wetland and will assist in defining historic normal pool levels. Species observed within this wetland including dominant, subdominant, and observed vegetation are provided in Table 1 along with WAP classification.

Table 1: Wetland #1 - Documented Vegetation

SPECIES	COMMON NAME	WAP STATUS*	CLASS
Andropogon virginicus	Broomsedge bluestem	AD	Observed
Axonopus sp.	Carpet grass	AD	Dominant
Cephalanthus occidentalis	Buttonbush	D	Observed
Cladium jamaicense	Sawgrass		Observed
Coreopsis floridana	Florida tickseed		Observed
Diodia virginiana	Rough button-weed	OD	Dominant
Eupatorium capillifolium	Dogfennel	AD	Subdominant
Eupatorium leptophyllum	Falsefennel	OD	Subdominant
Hydrocotyle umbellata	Pennywort	OD	Observed
Hyptis alata	Musky mint		Observed
Muhlenbergia capillaris	Hairgrass		Dominant
Phyla nodiflora	Frog-fruit	AD	Dominant
Pluchea odorata	Sweetscent		Observed
Pluchea rosea	Rosy camphorweed	OD	Observed
Rhynchospora colorata	Starrush white top		Observed
Sagittaria lancifolia	Bulltongue arrowhead		Observed
Setaria parviflora	Knotroot foxtail	AD	Observed

* AD - Adaptive, T - Transitional, OD - Outer Deep, D - Deep

Wetland #2

Wetland #2 is a moderate-sized herbaceous marsh with a deep-water center. This system may be impacted by future activity to be permitted for the Suncoast Parkway extension. We are currently coordinating with environmental staff working on that project to confirm impact potential. It is proposed that this wetland be maintained as part of this monitoring plan until these possible impacts occur in the future. Impacts from this roadway project may not occur for many years, and valuable data may be collected in the interim. This system transitions from a relatively narrow transitional zone to a deep-water pond dominated by white water-lily (*Nymphaea odorata*). Demarcation of the WAP zones will be conducted during the establishment of transects. Vehicular activity documented along the wetland edge does occur and may create some problems in maintaining transect poles and evaluation of the wetland.

One (1) transect is proposed for this wetland system with an estimated location provided on Figure 3. Photographs provided in Appendix A were taken along the proposed transect gradient facing the upland and wetland. Final positioning of transect will be determined during the field installation and based on best conditions and field judgment. A natural wetland edge (saw palmetto fringe) still exists around the majority of this wetland and will assist in defining the historic normal pool. Species observed within this wetland including dominant, subdominant, and observed vegetation are provided in Table 2 along with the WAP classification.

Table 2: Wetland #2 - Documented Vegetation

SPECIES	COMMON NAME	WAP STATUS *	CLASS
Andropogon virginicus	Broomsedge bluestem	AD	Dominant
Axonopus sp.	Carpet grass	AD	Subdominant
Cephalanthus occidentalis	Buttonbush	D	Observed
Eupatorium capillifolium	Dogfennel	AD	Observed
Fuirena scirpoidea	Umbrella-sedge		Subdominant
Ludwigia repens	Red-leaf ludwigia		Observed
Nymphaea odorata	White water-lily		Dominant
Panicum hemitomon	Maidencane		Subdominant
Phyla nodiflora	Frog-fruit	AD	Observed

* AD - Adaptive, T - Transitional, OD - Outer Deep, D - Deep

Wetland #3

Wetland #3 is a moderate-sized herbaceous marsh with a central shrubby area. This system transitions from a transitional zone through an outer deep zone and finally into a deep pocket which is vegetated by a southern willow (*Salix caroliniana*) area. Demarcation of the WAP zones will be conducted during the establishment of transects.

One (1) transect is proposed for this wetland system with an estimated location provided on Figure 3. Photographs provided in Appendix A were taken along the proposed transect gradient facing the upland and wetland. Final positioning of transect will be determined during field installation and based on best conditions and field judgment. A natural wetland edge (saw palmetto fringe) still exists along the majority of the wetland perimeter and will assist in defining the historic normal pool. Species observed within this wetland including dominant, subdominant, and observed vegetation are provided in Table 3 along with WAP classification.

Table 3: Wetland #3 - Documented Vegetation

SPECIES	COMMON NAME	WAP STATUS *	CLASS
Axonopus sp.	Carpet grass	AD	Observed
Centella asiatica	Spadeleaf	T	Observed
Cladium jamaicense	Sawgrass		Observed
Diodia virginiana	Rough button-weed	OD	Dominant
Eupatorium capillifolium	Dogfennel	AD	Observed
Eupatorium leptophyllum	Falsefennel	OD	Observed
Fuirena scirpoidea	Umbrella-sedge		Subdominant
Hyptis alata	Musky mint		Observed
Muhlenbergia capillaries	Hairgrass		Observed
Phyla nodiflora	Frog-fruit	AD	Subdominant
Pluchea rosea	Rosy camphorweed	OD	Observed
Rhynchospora colorata	Starrush white top		Observed
Saccharum giganteum	Sugarcane plumegrass	OD	Subdominant
Sagittaria sp.	Arrow-head		Observed
Salix caroliniana	Southern willow	OD	Subdominant
Spartina bakeri	Sand cordgrass		Observed

* AD - Adaptive, T - Transitional, OD - Outer Deep, D - Deep

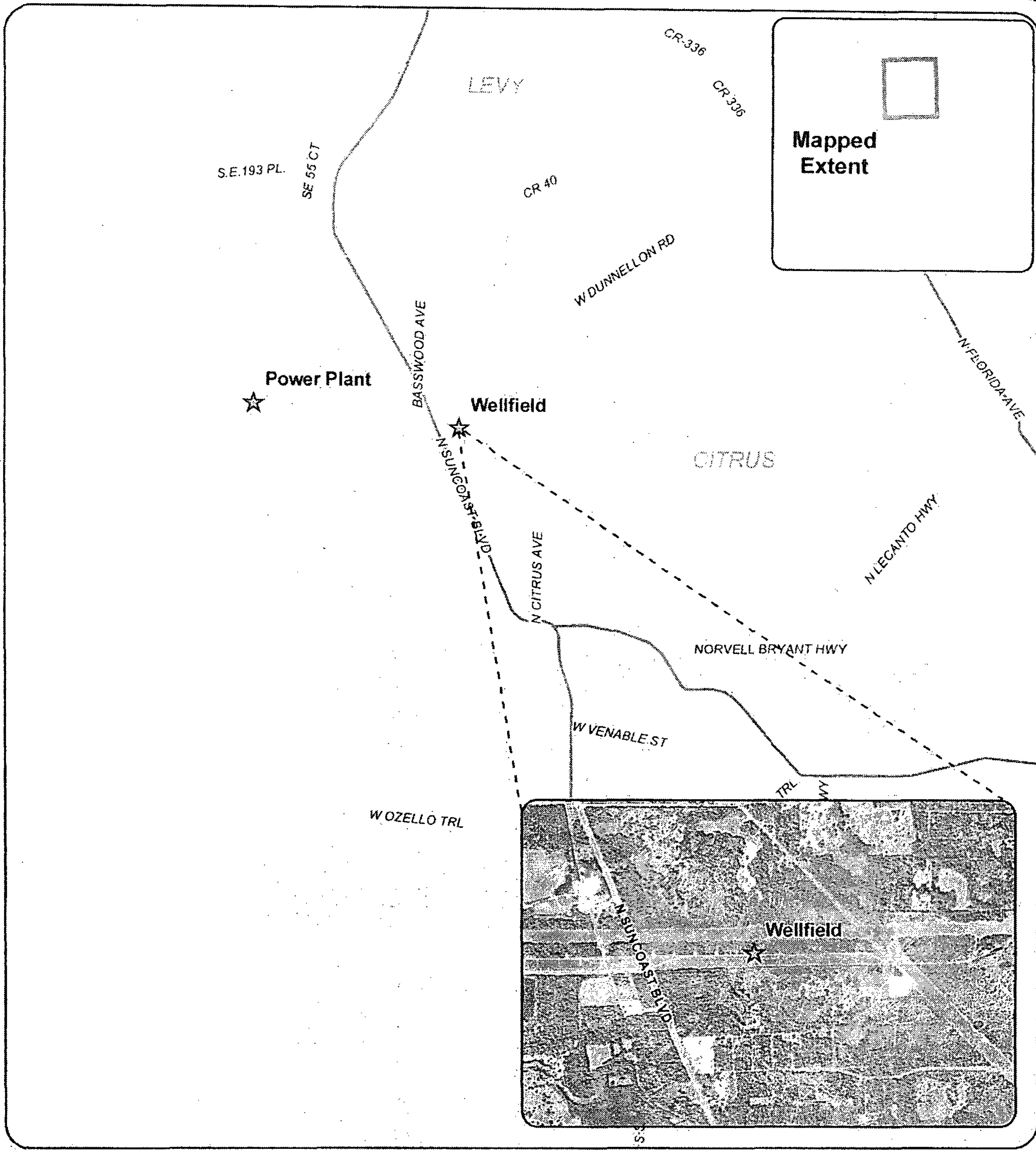
3.0 REPORTING

As required by permit conditions, a summary report documenting the collected environmental monitoring data will be prepared on an annual basis. The annual report shall be submitted to the District by January 1st of each year and will summarize data from the previous water year (October 1st – September 30th). Hydrologic and rainfall data shall also be submitted on a monthly basis as described above and additionally will be compiled into the annual report. Analysis of hydrologic data and results of WAP monitoring will be incorporated into each annual report and will comply with conditions outlined within the permit.

Table 4: Monitoring & Reporting Schedule

TASK	RECORDING FREQUENCY	REPORTING FREQUENCY
Water Level Measurement (staff gages)	Bi-weekly (twice per month)	Monthly
Water Level Measurement (piezometers)	Bi-weekly (twice per month)	Monthly
WAP Assessment	Semi-annually (May/June & December)	Annually
Rainfall	Daily	Monthly

FIGURES



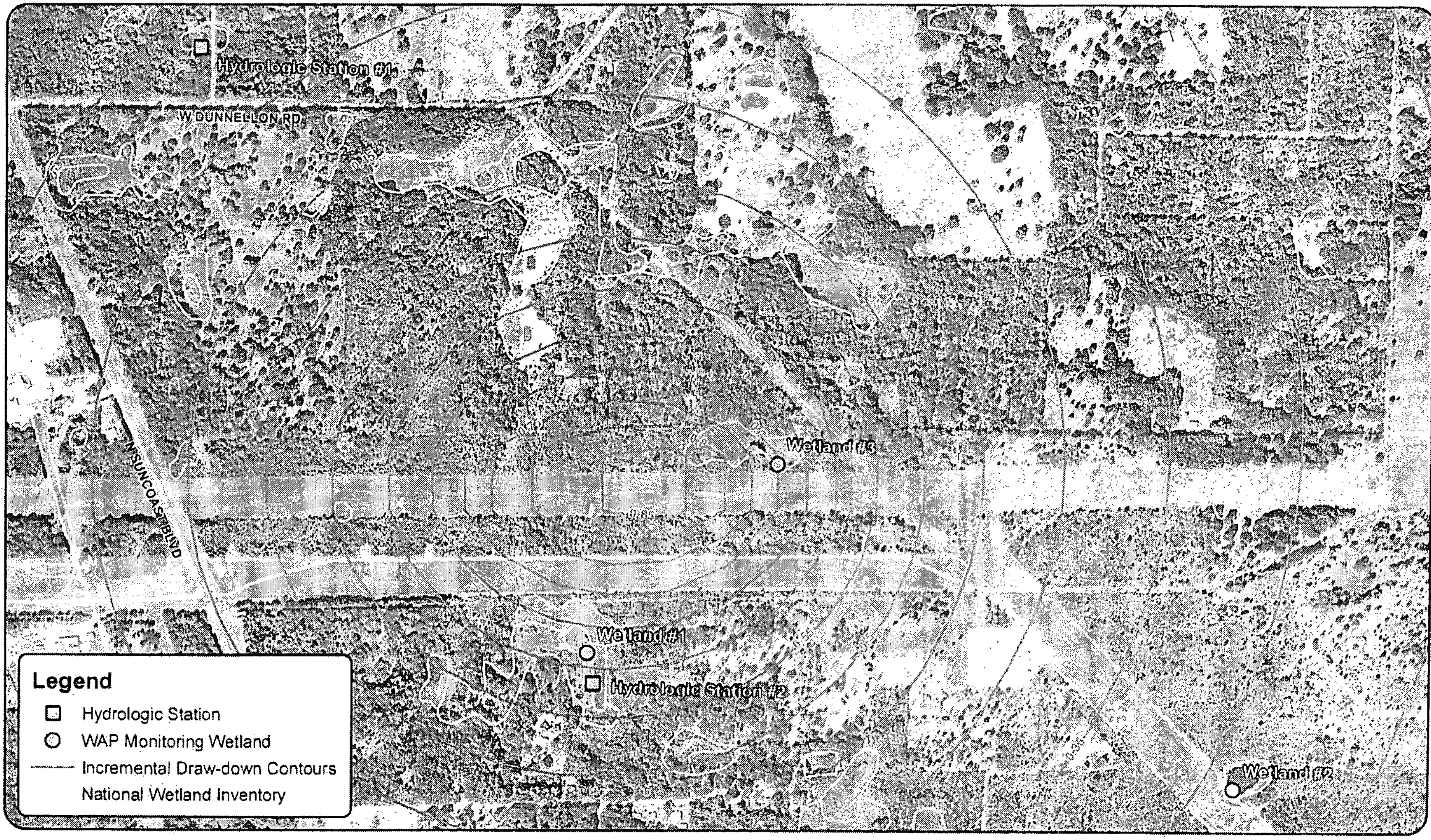
Progress Energy, Crystal River
Citrus County, Florida

Figure 1
Location

N W E S

0 2
Miles

QUEST
ecology
735 Lakeview Drive
Wimauma, FL 33598
Tel. 813.642.0799
Fax 813.642.0380



QUEST ecology

735 Lakeview Drive
Wimauma, FL 33598
Tel. 813.642.0799
Fax 813.642.0380

Progress Energy, Crystal River
Citrus County, Florida

Figure 2
Monitoring Stations

Path (E:\GIS\Projects\EnHydro\Progress Energy\ArcMap\WAPStations.mxd) By: ACS Date: 10/31/2008

Progress Energy, Crystal River
Citrus County, Florida

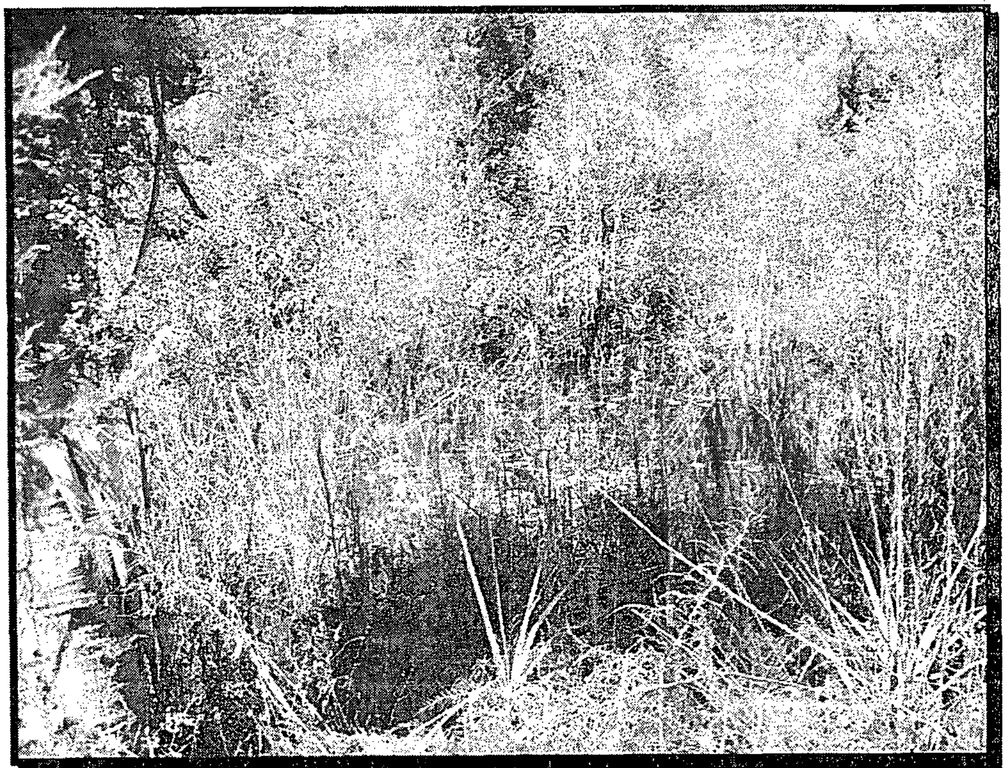
Figure 3
WAP Stations

QUEST
ecology
735 Lakeview Drive
Wimauma, FL 33598
Tel: 813.642.0799
Fax 813.642.0380

APPENDIX A

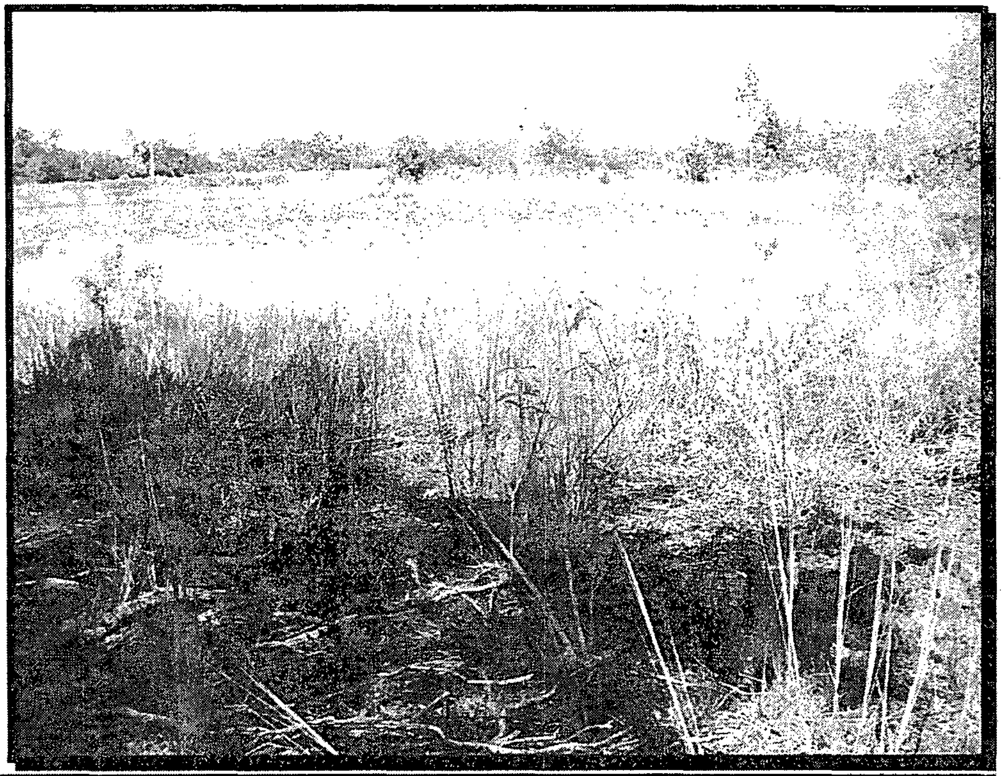
Photographic Documentation


Hydrologic Monitoring Station #1 – September 10, 2008 – Northeast side facing southwest.


Hydrologic Monitoring Station #2 – September 10, 2008 – East side facing west.

Wetland #1 – Proposed WAP Transect – September 10, 2008 – Facing wetland.

Wetland #2 – Proposed WAP Transect – September 10, 2008 – Facing upland.



Wetland #2 – Proposed WAP Transect – September 10, 2008 – Facing wetland.

Wetland #3 – Proposed WAP Transect – September 10, 2008 – Facing upland.

Wetland #3 – Proposed WAP Transect – September 10, 2008 – Facing wetland