**Florida Department of**

# Memorandum Environmental Protection

To: Nicanor Madrid
Hazardous Waste Permitting Section

From: Thomas Deck
Environmental Assessment Section

Date: February 22, 2005

Subject: Field Sampling Performance Audit Report
General Components, Inc.
Largo, Florida

Please see the attached report and checklist for the field sampling performance audit conducted at the General Components, Inc. in Largo, Florida on January 19, 2005. The audit was conducted by the Environmental Assessment Section (EAS) and included a subsequent review of sampling logs and other documentation for the audit day that were submitted by the permittee's consultant.

Sampling activities were audited using the DEP SOP ("Standard Operating Procedures for Field Activities", DEP-SOP-001/01), revision February 1, 2004. The consultant indicated the intention to follow this document for the audited sampling event.

**Summary of audit deficiencies**

1. Sampling team used a pH 4 buffer to calibrate the specific conductance. The standard to calibrate specific conductance was only identified a pH buffer. No supporting information verified the concentration or purity of the standard as a specific conductance standard. Purchased or laboratory prepared standard potassium chloride (KCl) solutions with conductivity values that bracket the expected samples range are required when the specific conductance is greater than 100 umhos/cm. Only one standard was used.
2. Dissolved oxygen calibration was done based on percent dissolved oxygen and was not checked against theoretical values. The dissolved oxygen reading at a given temperature should be compared to theoretical values to insure that the 0.3 mg/L acceptance criteria is accomplished.
3. Documentation:
   - Preservation records should include the identification of ice when samples are thermally preserved.
   - Unit for conductivity standards were not given. Appropriate units were not circled.
   - Preservation verification for metals was not recorded.
   - Standards were not document in accordance with DEP-SOP-001/01 FD4000.
4. See other deficiencies noted in the attached report.

**Response requirements**
The permittee or the permittee's consultant should be asked to respond to the audit report by addressing each deficiency noted in the attached checklist, as explained by the checklist legend. The response should include the specific corrective actions to be taken. Some checklist items may indicate that additional information should be provided in order to determine whether the audit criterion is applicable or was satisfied. The response may include discussion of any items in the report for the purposes of clarification or rebuttal.

**Issuance of final audit report**
When the response has been received from the permittee (or its consultant), the EAS will review it to determine if appropriate corrective actions have been taken and issue a report providing an evaluation of the submitted response.

If modifications to the proposed corrective actions are required, the permittee should be given another opportunity and additional time to propose acceptable corrective actions before the final audit report package is issued.

When all responses have been reviewed, the EAS will issue the final audit report package consisting of the preliminary audit report, the response(s) from the permittee (or consultant) and the EAS evaluation of all responses.

Please let me know if you have any questions or need further assistance.

Attachments: Audit report

Copies to:
Audit file