



*Florida Department of
Environmental Protection*

FDEP INSPECTIONS OF CONTROL AUTHORITY PRETREATMENT PROGRAMS

Industrial Pretreatment Program
Sam Jenkins, Pretreatment Specialist



OVERVIEW

- Regulatory Authority
- EPA Requirements
- Inspection Types
- Inspection Requirements
 - Inspection Interview
 - File Review
- Recommendations





REGULATORY AUTHORITY

- 1972 and 1977 Federal Water Pollution Control Act Amendments (FWPCA, 1948)
 - Goals
 - Prevent Pass-through and interference
 - Regulation of nondomestic industrial users
- FDEP designated as the industrial pretreatment Approval Authority
 - May 1, 1995 National Pollutant Discharge Elimination System (NPDES) delegation





EPA GENERAL REQUIREMENTS

- As the Approval Authority (AA) - FDEP Must:
 1. Determine if the local program/control authority (CA) is properly implementing and enforcing its program
 2. Ensure that CAs and industrial users comply with applicable local pretreatment standards
 3. Evaluate the progress of each CA
 4. Identify any aspects of CA programs that need improvement
 5. Serve as CA if no approved program exists





EPA 106 WORKPLAN REQUIREMENTS

- CA Inspections
 - 80% of fully active CAs receive a pretreatment compliance inspection (PCI) by Department Staff
 - 20% of fully active CAs receive a pretreatment program audit (PPA) by Department Staff
- CA submissions
 - 100% of all submissions must be reviewed





WHY WE INSPECT

- The inspection is designed to answer the following questions:
 - Is the CA complying with existing requirements in its permit, approved program, and the General Pretreatment Regulations?
 - Are any changes that the CA is proposing to make in its program appropriate and should such changes be officially incorporated via program/permit modification?





WHY WE INSPECT

- The inspection is designed to answer the following questions:
 - Can the CA benefit from specific and available resources which the Approval Authority can provide such as guidance documents, computer programs, etc.?
 - What follow-up actions on the part of the CA are recommended to improve the effectiveness of the existing program?





INSPECTION FORMAT

- Email with Inspection Schedule
 - CA **MUST** confirm the inspection date
 - Provides consent
- Opening Conference and Introduction
- Interview followed by a discussion of the findings
- File Review and discussion of findings
- Closing- discuss expected comments
- SIU Inspections and closing (PPA's only)





INSPECTION TYPES - AR

- Annual Pretreatment Reports (AR)
 - Equivalent to a PCI in determining program implementation
 - **Industrial Pretreatment Discharge Monitoring Report (DMR) - Must be submitted with AR**
 - if required by WWTF permit;
 - Or summary of analytical results for influent, effluent, and residuals priority pollutant scans if no DMR requirement
 - **Summary of analytical results and removal rates for conventional pollutants (BOD, TSS, pH, and O&G)**





INSPECTION TYPES - PCI

- For a PCI the Department must:
 - Complete and document the interview
 - Complete and document file reviews
 - Review any outstanding issues
 - from previous annual reports, DMRs, previous inspections
 - Review analytical reports used to complete the DMRs





INSPECTION TYPES - PPA

- For a PPA the Department must:
 - Complete and document the interview
 - Complete and document file reviews
 - Complete a minimum of 2 oversight inspections at 2 industrial users
 - Review any outstanding issues
 - from previous annual reports, DMRs, previous inspections
 - Review analytical reports used to complete the DMRs





INSPECTION TYPES - PPA

- For a PPA the Department must:
 - Review the CA's sewer use ordinance, enforcement response plan, and any applicable multijurisdictional agreements
 - Review will be completed after the audit
 - Please submit copies of these documents during the PPA





INSPECTION INTERVIEW

- Applies to both PCIs and PPAs
- Typically the first portion of the inspection
- Goal:
 - Evaluate the portions of program implementation that can not be evaluated adequately during the IU file review
- Inspection Form to be completed by CA before the inspection





FILE REVIEW

- **IU CONTROL MECHANISM**
 - Issuance or reissuance of control mechanism
 - Statement of duration (≤ 5 years)
 - Statement of nontransferability without, at a minimum, prior notification to the control authority and provision of a copy of the existing control mechanism to the new owner or operator.
 - Applicable effluent limits





FILE REVIEW

- **IU CONTROL MECHANISM**
 - Self-monitoring requirements
 - Identification of pollutants to be monitored
 - Sampling frequency
 - Sampling locations/ discharge points
 - Sample types (grab or composite)
 - Reporting requirements
 - Record-keeping requirements
 - Statement of applicable civil and criminal penalties
 - Compliance schedules





FILE REVIEW

- **IU CONTROL MECHANISM**

- **Notification requirements**

- Slug loading (immediate oral notice and 5 days for follow-up written report)
- Bypasses (anticipated: 10 days prior to bypass, unanticipated: 24-hour oral notice and 5 days for follow-up written report)
- Upsets (24-hour oral notice and 5 days for follow-up written report)
- Significant change in discharge (prompt notification is required)
- 24-hour notification of violation/resample requirement





FILE REVIEW

- **IU CONTROL MECHANISM**
 - Slug discharge control plan requirements, if plan is required





FILE REVIEW

- **CA APPLICATION OF IU PRETREATMENT STANDARDS**
 - Calculation and application of categorical standards
 - Classification by category/subcategory
 - Classification as new/existing source
 - Application of limits for all regulated pollutants
 - Application of local limits
 - Document mass based limit allocations (if applicable)
 - Calculation/application of production-based standards





FILE REVIEW

- **CA APPLICATION OF IU PRETREATMENT STANDARDS**
 - Calculation/application of CWF or FWA
 - Application of most stringent limits





FILE REVIEW

- **CA COMPLIANCE MONITORING**
 - Sampling at least once a year
 - Documentation of sampling activities
 - Analysis for all parameters
 - Appropriate analytical methods
 - Inspection at least once a year
 - Documentation of inspection activities
 - Evaluation of need for slug discharge control plan
 - **Calculation of SNC**





FILE REVIEW

- **IU SELF-MONITORING AND REPORTING**
 - Self-monitoring at frequency specified in permit/regulation
 - Analysis of all required pollutants
 - **Submission of BMR/90-Day Report**
 - Periodic self-monitoring report
 - Reporting all required pollutants
 - **Signatory/certification of reports**





FILE REVIEW

- **IU SELF-MONITORING AND REPORTING**
 - Submission of compliance schedule reports by required dates
 - Notification within 24 hours of becoming aware of:
 - Discharge violations
 - Slug loads
 - Accidental spill





FILE REVIEW

- **IU SELF-MONITORING AND REPORTING**
 - Resampling/reporting within 30 days of knowledge of violation
 - Notification of hazardous waste discharge
 - Submission/implementation of slug discharge control plan
 - Notification of significant changes





FILE REVIEW

- **CA ENFORCEMENT ACTIVITIES**
 - Identification of violation
 - Discharge Violations
 - Monitoring/reporting violations
 - Compliance schedule violations
 - Adherence to approved ERP
 - **Escalation of enforcement**





FILE REVIEW

- **IU COMPLIANCE STATUS**
 - Noncompliance with discharge limits but not SNC
 - SNC:
 - Chronic violations
 - TRC violations
 - Spill or slug load violations
 - Other discharge violations





FILE REVIEW

- **IU COMPLIANCE STATUS**
 - Noncompliance with reporting requirements but not SNC
 - SNC with reporting requirements
 - Publication for SNC





PROGRAM ASSIGNMENTS

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Pasco County

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Loxahatchee ECD
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Orange County
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Port Orange, City of
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Lee County
Leesburg, City of
Manatee County
Marion County

Melbourne, City of
Miramar, City of
Ocala, City of
Okaloosa County
Palm Bay, City of
Panama City, City of
Perry, City of
Plantation, City of
Port St. Joe, City of
Rockledge, City of
Titusville, City of
Vero Beach, City of
Wildwood, City of





RECOMMENDATIONS

- Review the inspection requirements in *The State of Florida Guidance Manual for Pretreatment Programs* (FGM) when preparing for upcoming inspections
- Review DMR Instructions and include the results of all monitoring conducted at the compliance point
- DMRs are required to be submitted with AR and only need to be submitted to the Department's Tallahassee Office
- Conduct a review of all CA issued permits
- Complete a Permit Fact Sheet (Appendix 6b, FGM)
- Document any interaction with or notifications by industrial users, including meeting notes, telephone logs, etc., for IU file





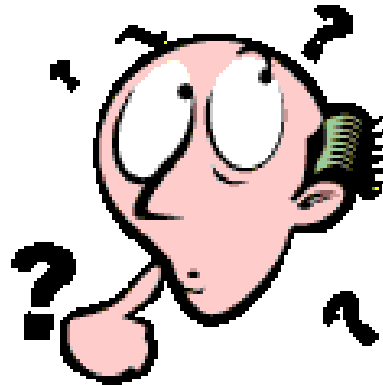
RECOMMENDATIONS

- Include documentation of CWF/FWA calculations, including discharge flow schematic, in IU files or permit fact sheet
- Include documentation of alternative local limit allocations
- Retain the Baseline Monitoring Reports and 90-Day Reports
- Ensure that all CIU files or permit fact sheets contain justification for the categorical determination:
 - Schematics of all discharge lines
 - Process descriptions
 - Date the company began operation
- Consult your program's assigned inspector – we love providing technical assistance
- Treat all inspections as a learning experience





Questions



Contact:

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