RENEWAL OF FDEP FACILITY PERMITS:
THE PRETREATMENT PERSPECTIVE

Florida Industrial Pretreatment Association
April 30, 2010
Which Categorical Industry is Represented by this Slide Design??
HOLISTIC APPROACH
OVERVIEW

- Regulations
- Sources of Information
- Permit Renewal Components
- Capacity Analysis Report
- O & M Performance Report
- Pretreatment
DELEGATION

U.S.E.P.A. DELEGATED SPECIFIC RESPONSIBILITIES TO FDEP

MAY 1995
SOURCE OF REGULATIONS

- LEGAL AUTHORITY: FLORIDA STATUTES
- CITATION: FLORIDA ADMINISTRATIVE CODE
PRIMARY REGULATIONS

- PERMITS: 62-4
- QUALITY ASSURANCE: 62-160
- SURFACE WATER QUALITY STANDARDS: 62-302
- GROUND WATER CLASSES AND STANDARDS: 62-520
- GROUNDWATER PERMITTING AND MONITORING: 62-522
REGULATIONS (CONT.)

- DOMESTIC WASTEWATER FACILITIES: 62-600
- DOMESTIC WASTEWATER FACILITY MONITORING: 62-601
- DOMESTIC WASTEWATER FACILITY OPERATORS: 62-602
- COLLECTION SYSTEM AND TRANSMISSION FACILITIES: 62-604
REGULATIONS (CONT.)

- REUSE AND LAND APPLICATION: 62-610
- WETLANDS: 62-611
- DOMESTIC WASTEWATER FACILITY PERMITTING: 62-620
- PRETREATMENT: 62-625 and 40 CFR 403-467
- RESIDUALS: 62-640 and 40 CFR 503
- WASTEWATER FACILITY CLASSIFICATION AND STAFFING: 62-699
YOU ARE RESPONSIBLE FOR GENERAL KNOWLEDGE OF ALL RULES & REGULATIONS
SOURCES OF INFORMATION

- CURRENT PERMIT & MODIFICATIONS
- DISCHARGE MONITORING REPORTS
- FACILITY LOGS & DATA BASES
- O & M MANUALS
- FACILITY RECORD DRAWINGS
- RESIDUALS REPORTS
- CALIBRATION & MAINTENANCE LOGS
- OPERATING PROTOCOLS
- FACILITY REPORTS & PLANS
PERMIT RENEWAL COMPONENTS

- Form 1 and Form 2A
- Capacity Analysis Report
- O & M Performance Report
- Agricultural Use Plans
- Annual Reclaimed Water Report
- Annual Effluent & Reclaimed Water Analysis
- Technical Evaluation of Local Limits
- Other
PERMITS
CHAPTER 62-4

- PROGRAM CONTROL MECHANISM
- FACILITY PERMITS REQUIRED
- 5-YEAR TERM
- GENERAL & SPECIFIC CONDITIONS
- PROGRAM REQUIREMENTS
- DMR SUBMITTALS
- FACILITY INSPECTIONS
- APPLICATION DUE 180 DAYS
- COMPLIANCE MONITORING & ENFORCEMENT
- VIOLATIONS
FACILITY PERMITTING
CHAPTER 62-620

- FACILITY PERMITS REQUIRED
  - CONSTRUCTION
  - OPERATING
- APPLICATION & FEES
- RENEWALS -- 180 DAYS
- GENERAL PROCEDURES
- PUBLIC NOTICE & ADMIN HEARING
CAPACITY ANALYSIS REPORT

◆ THRESHOLDS
  ◆ BASED ON FLOW FORECASTS
  ◆ 50% OF CAPACITY: COMMENCE PLANNING
  ◆ EXCEED CAPACITY IN 10 YEARS: ANNUALLY
  ◆ DOES NOT EXCEED CAPACITY: 5 YEARS

◆ PERMITTED CAPACITY
  ◆ HYDRAULIC (FLOWS)
  ◆ LOADINGS
  ◆ DISPOSAL CAPACITY
CAPACITY ANALYSIS REPORT CONTINUED

- ANALYSIS
  - HYDRAULIC (FLOWS)
  - ORGANIC LOADINGS
  - NUTRIENT LOADINGS
  - DISPOSAL CAPACITY
  - FLOW PROJECTIONS

- MAXIMUM CONCENTRATION LIMITS
FACILITY INSPECTION

- PLANT SITE
- MONITORING PROCEDURES
- RECORDS REVIEW
  - DMRs & REPORTS
  - PROGRAMS & PLANS
- STAFFING
- EFFLUENT DISPOSAL
- RESIDUALS HANDLING
- GENERAL OBSERVATIONS
FACILITY INSPECTION

CONTINUED

- FACILITY CONDITION
  - EQUIPMENT
  - STRUCTURES
  - ODORS

- TREATMENT PROCESSES

- MAINTENANCE

- ACCESS CONTROL & SECURITY
AGRICULTURAL USE PLANS
CHAPTER 62-649 & 40 CFR 503

- SITE INFORMATION & DESCRIPTION
- FIELD CHARACTERISTICS
- LOADINGS
- MAP SETS
  - USGS TOPOGRAPHIC
  - FIELD DESIGNATIONS & ACREAGE
  - WETLAND AREAS & SETBACKS
  - SOILS
PRETREATMENT
CHAPTER 62-625

◆ TRIGGERS FOR PROGRAM
  ▾ SIUs & CIUs PRESENT
  ▾ NPDES FACILITIES
  ▾ PUBLIC ACCESS REUSE SYSTEM

◆ PROGRAM MANDATED BY PERMIT
◆ SECTION 5 OF FORM 2A
◆ EACH SIU IN SERVICE AREA
◆ INFORMATION FROM SIU PERMIT, APPLICATION & SELF-MONITORING REPORTS
PERMIT INFORMATION

- USER IDENTIFICATION
- FLOWS
- INDUSTRIAL PROCESSES & PRODUCTS
- APPLICABLE DISCHARGE STANDARDS
- DISCHARGE CHARACTERIZATION
- PRETREATMENT DESCRIPTION
- FACILITY OPERATIONS
- IMPACTS ON POTW
LOCAL LIMITS TECHNICAL EVALUATION

- ANNUAL POTW MONITORING EVENT
- SIU IDENTIFICATION
- CONSTITUENTS OF CONCERN
- IMPACTS ON FACILITY
- FLOW & GROWTH PROJECTIONS
- HEADWORKS ANALYSIS
- DEADLINE: 180 DAYS AFTER PERMIT ISSUANCE
FACILITY STAFFING
CHAPTER 62-699

◆ FACILITY CLASSIFICATION
  ◆ FLOW
  ◆ TREATMENT PROCESSES

◆ STAFFING REQUIREMENTS
  ◆ FACILITY CLASSIFICATION
  ◆ REUSE SYSTEM
  ◆ SAFETY CONCERNS
ANSWER

- 40 CFR 446 – Paint Formulation
- 40 CFR 447 – Ink Formulation
- 40 CFR 463 – Plastics Molding
- 40 CFR 466 – Porcelain Enameling
THANK YOU !!!!!!!!