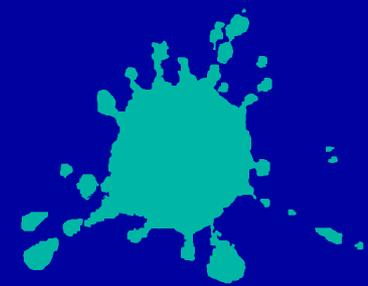


**RENEWAL OF FDEP
FACILITY PERMITS:**

**THE PRETREATMENT
PERSPECTIVE**

Florida Industrial Pretreatment Association

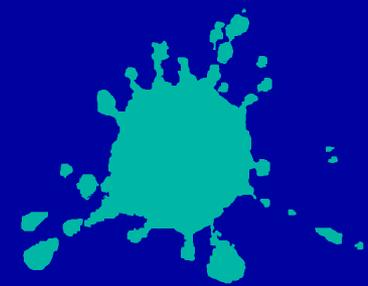
April 30, 2010

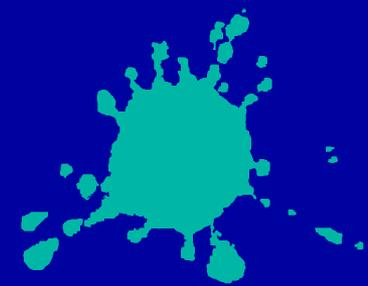
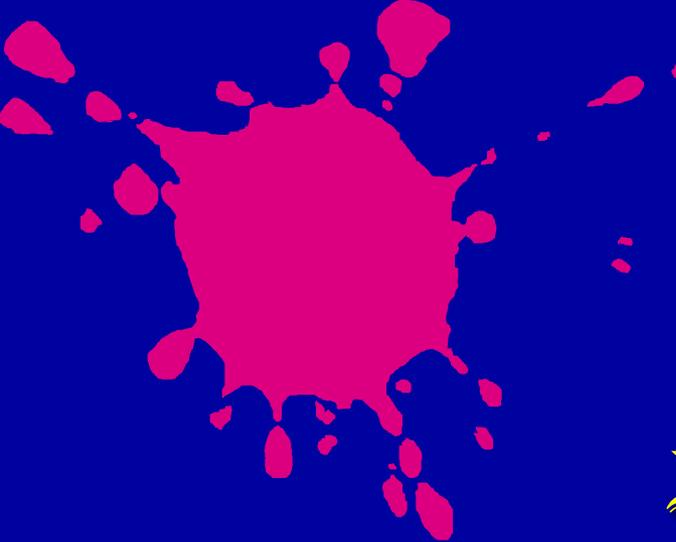




PRETREATMENT QUESTION

Which Categorical Industry is
Represented by this Slide
Design??

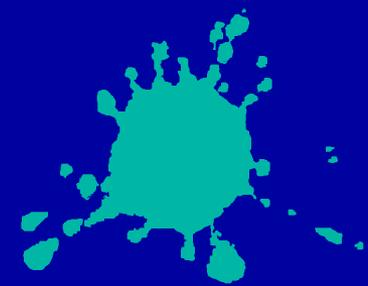


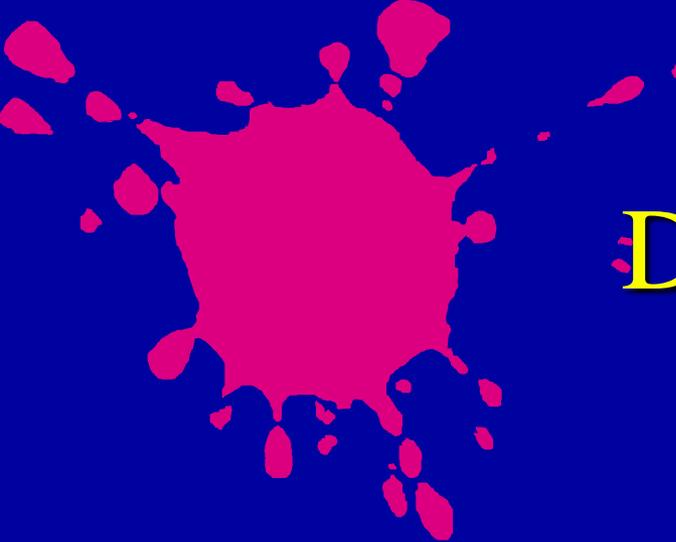


HOLISTIC APPROACH



OVERVIEW

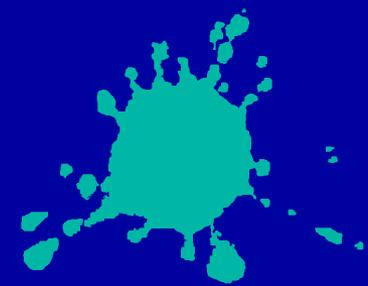
- ◆ Regulations
 - ◆ Sources of Information
 - ◆ Permit Renewal Components
 - ◆ Capacity Analysis Report
 - ◆ O & M Performance Report
 - ◆ Pretreatment
- 



DELEGATION

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

MAY 1995

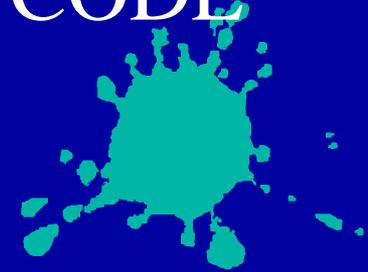




SOURCE OF REGULATIONS

◆ LEGAL AUTHORITY:
FLORIDA STATUTES

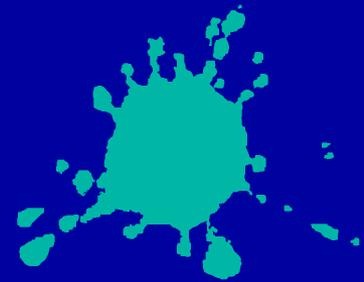
◆ CITATION:
FLORIDA ADMINISTRATIVE CODE





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.)

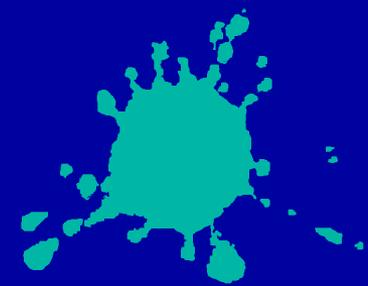
- ◆ DOMESTIC WASTEWATER FACILITIES: 62-600
- ◆ DOMESTIC WASTEWATER FACILITY MONITORING: 62-601
- ◆ DOMESTIC WASTEWATER FACILITY OPERATORS: 62-602
- ◆ COLLECTION SYSTEM AND TRANSMISSION FACILITIES: 62-604

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**

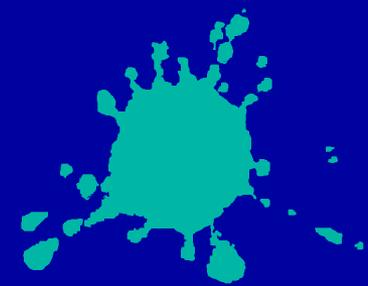


SOURCES OF INFORMATION

- ◆ 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



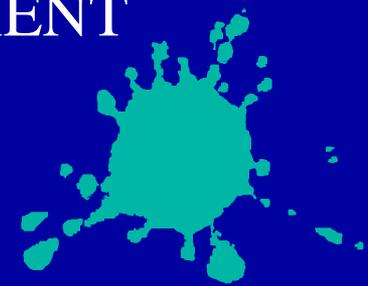
PERMIT RENEWAL COMPONENTS

- ◆ 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

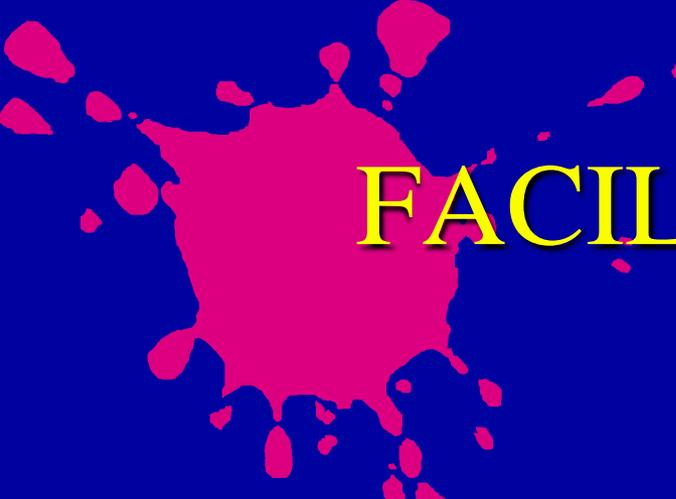
◆ MAXIMUM CONCENTRATION LIMITS

O & M PERFORMANCE REPORT

- ☒ FACILITY DESCRIPTION
- ☒ EFFLUENT LIMITATIONS
- ☒ PHYSICAL CONDITION EVALUATION
- ☒ TREATMENT PERFORMANCE ASSESSMENT
- ☒ OPERATING & PROCESS EVALUATION
- ☒ MAINTENANCE PROGRAMS & EQUIPMENT
- ☒ COLLECTION SYSTEM
- ☒ MAINTENANCE NEEDS

FACILITY INSPECTION

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



FACILITY INSPECTION

CONTINUED

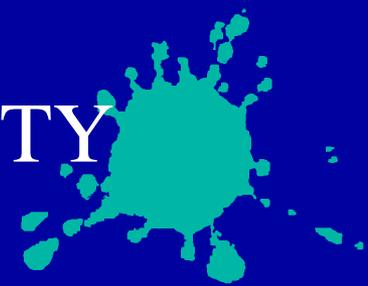
◆ FACILITY CONDITION

- ☒ 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

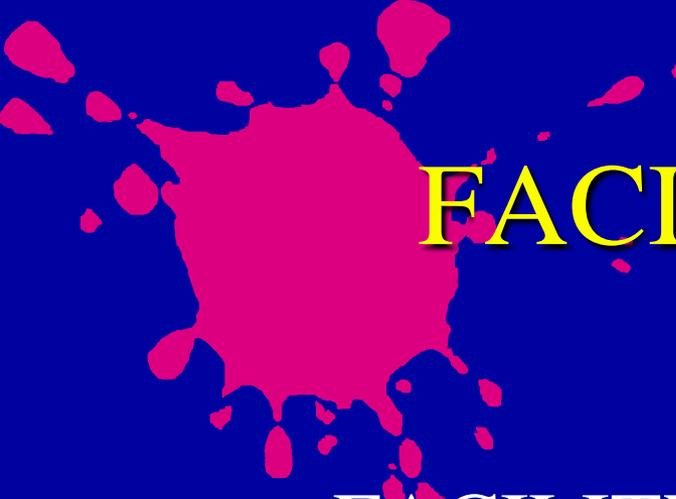
- ◆ TRIGGERS FOR PROGRAM
 - ✉ SIUs & CIUs PRESENT
 - ✉ NPDES FACILITIES
 - ✉ PUBLIC ACCESS REUSE SYSTEM
 - ◆ PROGRAM MANDATED BY PERMIT
 - ◆ SECTION 5 OF FORM 2A
 - ◆ EACH SIU IN SERVICE AREA
 - ◆ INFORMATION FROM SIU PERMIT,
APPLICATION & SELF-MONITORING REPORTS
- 

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



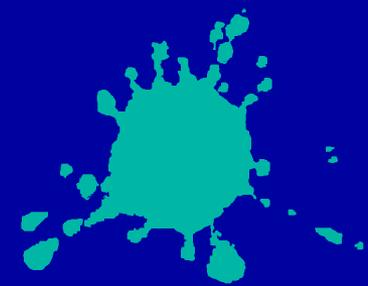
FACILITY STAFFING

CHAPTER 62- 699

◆ FACILITY CLASSIFICATION

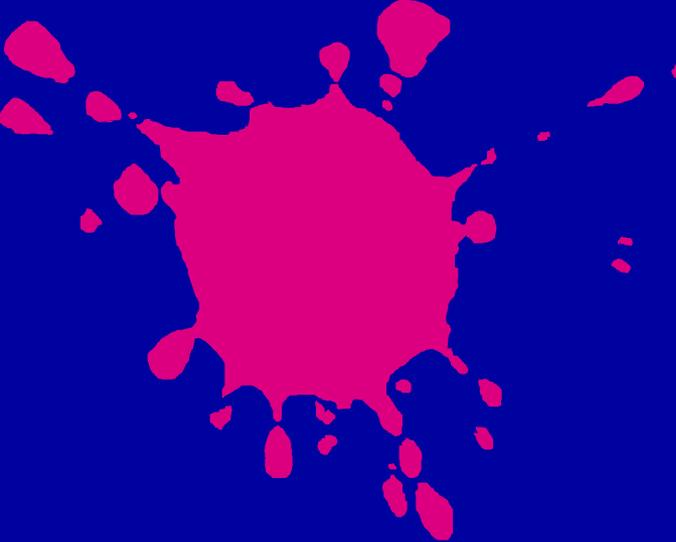
- ✉ FLOW
- ✉ TREATMENT PROCESSES

◆ 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 !!!!!!!

