

SEMINOLE COUNTY GOVERNMENT
AGENDA MEMORANDUM

SUBJECT: Ordinance Amending Industrial Pretreatment Discharge Regulations

DEPARTMENT: Environmental Services DIVISION: Administration

AUTHORIZED BY: *John Cirello* CONTACT: *Gary Rudolph* EXT. 2020
John Cirello, Director Gary Rudolph, Utilities Manager

Agenda Date <u>2/28/06</u> Regular <input type="checkbox"/> Consent <input type="checkbox"/> Work Session <input type="checkbox"/> Briefing <input type="checkbox"/> Public Hearing – 1:30 X Public Hearing – 7:00 <input type="checkbox"/>

MOTION/RECOMMENDATION:

Adopt an ordinance amending Part 5, Chapter 270 of the Seminole County Code as related to industrial pretreatment discharge regulations.

BACKGROUND:

To maintain the integrity of the County's Domestic Wastewater Program, and per Chapter 62-625, Florida Administrative Code, industrial pretreatment program regulations, the County is to review and revise their pretreatment limits at least once every five years. To maintain compliance, the existing limits have been reviewed and additional limits added to comply with new requirements per the County's Operating Permit for the Yankee Lake Water Reclamation Facility. As authorized by the BCC, this item was advertised on February 16, 2006.

Attachments:
Ordinance 06-_____
Economic Impact Statement

Reviewed by: <u>2/22/06</u>
Co Atty: <u><i>S. Detina</i></u>
DFS: N/A _____
Other: _____
DCM: _____
CM: _____
File No. <u>PHESA01</u>

AN ORDINANCE AMENDING PART 5, CHAPTER 270, SEMINOLE COUNTY CODE, TITLED "SEMINOLE COUNTY WASTEWATER SYSTEM USER RULES (INDUSTRIAL PRETREATMENT)"; AMENDING THE DEFINITIONS AND ABBREVIATIONS; AMENDING THE GENERAL SEWER USE REQUIREMENTS OF THE SEMINOLE COUNTY WASTEWATER SYSTEM; AMENDING THE LOCAL LIMITATIONS ON DISCHARGE INTO THE SEMINOLE COUNTY WASTEWATER SYSTEM; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION IN SEMINOLE COUNTY CODE; PROVIDING AN EFFECTIVE DATE

WHEREAS, the Board of County Commissioners (Board) has evaluated the provisions of the Seminole County Code relative to compliance with Federal and State mandated sewer use requirements, including industrial pretreatment discharge regulations and has concluded that certain provisions of the Seminole County Code should be amended to address the Board's concerns pertaining to procedures necessary for preventing hazardous and other dangerous discharges and other threats to the County's wastewater system; and

WHEREAS, the Board has also concluded that certain changes should be made to the Seminole County Code relative to prohibitions and limitations on discharges into the County's wastewater system; and

WHEREAS, significant public involvement has been achieved relative to the proposed changes to the Seminole County Code as set forth in this Ordinance; and

WHEREAS, the provisions of this Ordinance are consistent with Policy 14.1.2 of the Sanitary Sewer Element of the Seminole County Comprehensive Plan and the Plan generally; and

WHEREAS, the Seminole County Home Rule Charter requires that an Economic Impact Statement be prepared to address the potential fiscal impacts and economic costs of this Ordinance upon the public and taxpayers of Seminole County and such Economic Impact Statement has been

prepared and has been made available for public review and copying prior to the enactment of this Ordinance in accordance with the provisions of the Seminole County Home Rule Charter,

NOW THEREFORE BE IT ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS OF SEMINOLE COUNTY, FLORIDA:

Section 1. Sec. 270.362, Seminole County Code, is hereby amended to read:

Sec. 270.362. Definitions.

* * * * *

Food Service Establishment: Any commercial establishment preparing or serving food and discharging wastewater to a publicly-owned treatment works.

* * * * *

Section 2. Sec. 270.364, Seminole County Code, is hereby amended to read:

Sec. 270.364. General sewer use requirements.

(a) *Prohibited discharge standards:*

(1) *General discharge prohibitions.* It is unlawful for any user to discharge, cause or permit the discharge of any pollutant or wastewater to pass through the POTW or which, acting alone or in conjunction with other substances present in the POTW, causes an interference with the operation or performance of the POTW.

(2) *Specific prohibitions.* It is unlawful for user to introduce or cause to be introduced into the POTW the following pollutants, substances, or wastewater:

(A) Pollutants which may create a fire or explosive hazard in the POTW including, but not limited to, wastestreams with a closed-cup flashpoint of less than 140(F (60(C) using the test methods specified in 40 CFR Part 261.21;

(B) Wastewater with a pH less than 5.0 or more than ~~9.5~~ 10.5, or which causes corrosive structural damage to the POTW or equipment;

(C) Solid or viscous substances in such quantities or of such size capable of causing obstruction to the flow or interference with the operation of the POTW.

(D) Pollutants including, but not limited to, oxygen-demanding pollutants such as BOD released in a discharge at a flow rate and/or pollutant concentration which, either singly or by interaction with other pollutants, cause interference with the POTW;

(E) Wastewater with a temperature greater than 150(F (65.5(C);

(F) Wastewater which inhibits biological activity in the treatment plant resulting in interference;

(G) Wastewater which causes the temperature at the introduction to the treatment plant to exceed 104(F (40(C);

(H) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts causing interference or pass through;

(I) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that is likely to cause acute worker health and safety problems;

(J) Trucked or hauled pollutants, except at discharge points, designated by the Director in accordance with Section 270.365(d);

~~(K) Any waste containing fats, greases, oils, or related substances of animal or vegetable origin, whether or not emulsified, in excess of 100 mg/l;~~

~~(L)~~ (K) Any substance which may reasonably be expected to cause the POTW's effluent or any other product of the POTW such as residues, sludges, or scums to be unsuitable for reclamation and reuse or to interfere with the reclamation process;

~~(M)~~ (L) Any discharge to the POTW causing the POTW to be in noncompliance with sludge use or disposal criteria, guidelines or regulations developed under Section 405 of the Act, or any other Federal or State law or regulation applicable to any reclaimed product of the POTW;

~~(N)~~ (M) Noxious or malodorous liquids, gases, solids, or other wastewater which singly or by interaction with other wastes are likely to create a public nuisance or a hazard to life, or which will prevent entry into the sewers for maintenance or repair purposes;

~~(O)~~ (N) Wastewater imparting color which cannot be removed by the treatment process such as, but not limited to, dye wastes and vegetable tanning solutions which impart color to the treatment plant's effluent thereby violating the County's NPDES or Florida Department of Environmental Protection (FDEP) permits;

~~(P)~~(O) Wastewater containing any radioactive wastes or isotopes except in compliance with applicable Federal or State regulations;

~~(Q)~~(P) Stormwater, surface water, ground water, artesian well water, roof runoff, subsurface drainage, swimming pool drainage, condensate, deionized water, noncontact cooling water and unpolluted wastewater, unless specifically authorized by the Director;

~~(R)~~(Q) Sludges, screenings, or other residues from the pretreatment of industrial wastes;

~~(S)~~(R) Medical wastes, except as specifically authorized by a County IWDP;

~~(T)~~(S) Wastewater causing, alone or in conjunction with other sources, the POTW's effluent to fail toxicity tests;

~~(U)~~(T) Detergents, surface-active agents, or other substances which may cause detrimental foaming in the POTW;

~~(V)~~(U) Wastewater causing two readings on an explosion hazard meter at the point of discharge into the POTW, or at any point in the POTW, of more than five percent, or any single reading over ten percent of the Lower Explosive Limit of the meter;

~~(W)~~(V) Substances with constituents and concentrations in excess of those listed herein. It is unlawful for pollutants, substances, or wastewater prohibited by this Section to be processed or stored in such a manner that they could be discharged to the POTW; and

~~(X)~~(W) Discharges from grease interceptors with less than ~~one-half~~ three-fourths of the grease and solids capacity available; and

~~(Y)~~(X) Adding solvents to or heating the contents of, grease traps which discharge to the POTW unless specifically authorized by the Director.

* * * * *

(d) **County Limits**

The following pollutant limits are established to protect against pass through and interference. It is unlawful to discharge wastewater containing amounts in excess of the following into the POTW:

PARAMETER	INSTANTANEOUS MAXIMUM ALLOWABLE DISCHARGE LIMIT IN Mg/l.
Arsenic	.12 .10
<u>Beryllium</u>	0.74
Cadmium	.10 .009
CBOD	596 478 (300)*
Chlorides	695 764
Chromium	4.66 1.84
Copper	1.58 .796
Cyanide	.90 .006
Lead	.88 .012
<u>Manganese</u>	4.13
Mercury	.04 .006
Molybdenum	.35 .098
Nickel	1.04 .304
PH	(not less than 5.0 s.u. nor greater than 9.5 10.5 s.u.)
Selenium	.26 .01
Silver	2.29 1.48
<u>Sulfate</u>	1654
Total Dissolved Solids	750 (500)*
Total Nitrogen	50*
Total Phenols	13.2
Total Suspended Solids	880 (300)*

PARAMETER	INSTANTANEOUS MAXIMUM ALLOWABLE DISCHARGE LIMIT IN Mg/l.
Zinc	1.72 .82

* CONCENTRATIONS ABOVE THIS AMOUNT ARE SUBJECT TO A SURCHARGE IN ACCORDANCE WITH THE APPLICABLE COUNTY RATE SCHEDULE IN EFFECT AT THE TIME OF DISCHARGE TO THE POTW.

The limits referenced above apply at the point where the wastewater is discharged to the POTW. All concentrations for metallic substances reference "total" metal unless indicated otherwise. The Director may impose mass discharge rate in addition to, or in place of, the concentration based limitations set forth above.

* * * * *

Section 3. Codification. It is the intention of the Board of County Commissioners that the provisions of this Ordinance shall become and be made a part of the Seminole County Code and the word "ordinance" may be changed to "section," "article," or other appropriate word or phrase and the sections of this Ordinance may be renumbered or relettered to accomplish such intention; providing, however, that Sections 4, 5 and 6 shall not be codified. The Code Codifier may codify fee and charge amendments adopted by resolution by the Board of County Commissioners.

Section 4. Severability. If any provision of this Ordinance or the application thereof to any person or circumstance is held invalid, it is the intent of the Board of County Commissioners that the invalidity shall not affect other provisions or applications of this Ordinance which can be given effect without the invalid provision or application, and to this end the provisions of this Ordinance are declared severable.

Section 5. Effective Date. This Ordinance shall take effect upon filing a copy of this Ordinance with the Department of State by the Clerk of the Board of County Commissioners.

ENACTED this ____ day of _____, 2006.

BOARD OF COUNTY COMMISSIONERS
SEMINOLE COUNTY, FLORIDA

By: _____

CARLTON HENLEY, Chairman

SED/lpk
12/27/05 01/09/06 1/24/06
Ord industrial pretreatment

ECONOMIC IMPACT STATEMENT

DATE: February 9, 2006

DEPT./DIVISION: Env. Services

CONTACT PERSON: Gary Rudolph

EXTENSION: 2020

DESCRIBE PROJECT/PROPOSAL:

This ordinance establishes criteria necessary for the County to enhance further its **Industrial Pretreatment Program (IPP)** related to prohibitions and limitations of discharges to the County's wastewater system.

DESCRIBE THE DIRECT ECONOMIC IMPACT OF THE PROJECT/ PROPOSAL UPON THE OPERATION OF THE COUNTY:

Operational impacts are limited to utility operations of the County's Environmental Services Department (ESD). As this is a continuing program marginal staffing is not required. Requested increases in user charges are specific to this program and are intended to cover operational costs incurred. There are no impacts to other County departments as a result of approving this request.

DESCRIBE THE DIRECT ECONOMIC IMPACT OF THE PROJECT/ PROPOSAL UPON THE PROPERTY OWNERS/TAX PAYERS/CITIZENS WHO ARE EXPECTED TO BE AFFECTED:

Food Service Establishments (FSE) will incur increased utility billings with adoption this ordinance in the amount of \$10.00 monthly. Holders Industrial Wastewater Discharge Permits (IWDP) will realize increased fees with initial application, but no longer incur annual reissuance fees. Costs associated with laboratory and related sampling will continue to be charged to IWDP holders. Individuals in violation of allowable limits now will be assessed \$100 for each day of noncompliance in addition to laboratory analysis costs.

IDENTIFY ANY POTENTIAL INDIRECT ECONOMIC IMPACTS, POSITIVE OR NEGATIVE WHICH MIGHT OCCUR AS A RESULT OF THE PROJECT PROPOSAL:

The economic impacts will be positive by reducing the number of violations and related remediation costs.

NOTICE

NOTICE is hereby given that the Board of County Commissioners of Seminole County, Florida, intends to hold a public hearing to consider the enactment of an ordinance entitled:

AN ORDINANCE AMENDING PART 5, CHAPTER 270 OF THE SEMINOLE COUNTY CODE, TITLED "SEMINOLE COUNTY WASTEWATER SYSTEM USER RULES (INDUSTRIAL PRETREATMENT)"; AMENDING THE GENERAL SEWER USE REQUIREMENTS OF THE SEMINOLE COUNTY WASTEWATER SYSTEM; AMENDING THE LOCAL LIMITATIONS ON THE DISCHARGE INTO THE SEMINOLE COUNTY WASTEWATER SYSTEM; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION IN THE SEMINOLE COUNTY CODE; PROVIDING AN EFFECTIVE DATE.

at 1:30 p.m., or as soon thereafter as possible, at its regular meeting on the 28th day of February 2006, at the Seminole County Services Building, 1101 East First Street, BCC Chambers, Sanford, Florida. The proposed ordinance may be inspected by the public at the office of the Clerk of the Board of County Commissioners, Room 2204, Seminole County Services Building. Interested parties may appear at the meeting and be heard with respect to the proposed ordinance. Persons are advised that, if they decide to appeal any decision made at this hearing, they will need a record of the proceedings, and, for such purpose, they may need to insure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

For additional information regarding this notice contact Gary Rudolph, Utilities Manager at (407)665-2020.

Persons with disabilities needing assistance to participate in any of these proceedings should contact the Employee Relations Department ADA Coordinator 48 hours in advance of the meeting at (407) 665-7941.

Publish: February 16, 2006

Proof of Publication to: Sharon Peters
Seminole County
1101 East First Street
Sanford, FL 32771

Invoice/Contact Person: Gary Rudolph
Utilities Manager
500 W. Lake Mary Boulevard
Sanford, Florida 32773
407-665-2020