



Jacksonville Wastewater Utility

P.O. Box 69, 248 Cloverdale Road, Jacksonville, AR 72078
Phone: 501/982-0581 Fax: 501/982-5791

December 18, 2000

CE 2 PR 12 JAN 00
CC MD 12 JAN 00
CEV R/S 16 JAN 01
CEO SH 19 JAN

Mr. Lucien R. Gillham, Deputy Base Civil Engineer
314 CES/CC
528 Thomas Ave.
Little Rock AFB, AR 72099-4987

Dear Mr. Gillham:

Please find enclosed a finalized revision of your Industrial Wastewater Discharge Permit. We would like to strongly encourage you to read all the provisions of the permit to ensure that fully understand your responsibilities under the City of Jacksonville Ordinance No. 1133. This ordinance was recently (November 2, 2000) approved and passed by the City Council. Enclosed is your Industrial Wastewater Discharge Permit, a copy of Ordinance No. 1133, and a fact sheet that details the major changes are in effect since the issuance of your last permit.

If you have any questions concerning the information contained in the permit, Ordinance No. 1133, or other concerns, please call me at 982-0581.

Sincerely,

JACKSONVILLE WASTEWATER UTILITY

Jon Boyles
Pretreatment Coordinator

cc: Thea Hughes, General Manager

Enclosures

The following changes have been noted since the issuance of your last Industrial Wastewater Discharge Permit. These changes are the result of the recently approved Ordinance No. 1133 by the City of Jacksonville, a study that has resulted in the revision of the Maximum Allowable Headworks Loadings (MAHL), and the Pretreatment Program that has recently received approval by the Arkansas Department of Environmental Quality (ADEQ). These changes are noted below:

1. A copy of the recently passed Sewer Use Ordinance (No. 1133) is enclosed for your review and use as a reference as you review your Industrial Wastewater Discharge Permit. The references to previous Ordinances have been removed and substituted with appropriate references to Ordinance No. 1133. Please review your permit to familiarize yourself with these references.
2. The discharge limitations for your facility have been modified to reflect the changes that resulted in the allocation of the MAHL and their distribution to the Industrial and Commercial customers of Jacksonville Wastewater Utility. You will note that some of these limits have increased while some have decreased, please become familiar with these new limitations. Please provide adequate measures by your facility to ensure compliance with these limitations.
3. The monitoring parameters have been changed; there have been some additions and some deletions. The frequency of some of the monitoring has also changed. Please familiarize yourself with these changes and be prepared to adjust your monitoring procedures accordingly.

If you have any comments on these or other items within your Industrial Wastewater Discharge Permit, please do not hesitate to contact us at Jacksonville Wastewater Utility.

JACKSONVILLE WASTEWATER UTILITY
INDUSTRIAL WASTEWATER DISCHARGE PERMIT NO.

87-08-12

In accordance with all terms and conditions of Jacksonville City Ordinance No. 1133 and also with any applicable provisions of Federal or State law or regulation:

Permission is hereby granted to Little Rock Air Force Base

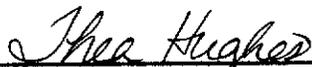
Classified by SIC No. 4581

For the contribution of Industrial Wastewater into the Jacksonville Wastewater Utility sewer lines at Little Rock Air Force Base Monitoring Flume on South Redmond Road.

This Permit is granted in accordance with the application filed on August 20, 1997 in the office of the Jacksonville Wastewater Utility and in conformity with plans, specifications and other data submitted to the Jacksonville Wastewater Utility in support of the above application. All of which are filed with and considered as part of this permit, together with the following named conditions and requirements.

Effective this Eleventh day of December 1997

To expire Eleventh day of December 2002



General Manager,
Jacksonville Wastewater Utility

PART I: LIMITATIONS

1. The Permittee shall not exceed the effluent limitations stated below for all waters discharged through the Little Rock Air Force Base monitoring flume. The limitations below for the enforcement parameters (E) are based upon the proportion of the Permittee's flow to Jacksonville Wastewater Utility. Attached to this permit is a worksheet indicating how these enforcement parameters were derived.

Parameters	Max. 24-HR Flow Proportional Composite (lbs/day) *1	Max. Monthly Average (mg/L) *2	Monitoring Requirements (E, SC,S) *4
Biochemical Oxygen Demand (5-Day)	-----	250.0 *2	SC, S *4
Total Suspended Solids	-----	250.0 *2	SC, S *4
Oil & Grease	-----	100.0 *2	SC, S *3
Cadmium	0.265		E, S *4
Chromium	2.799		E, S *4
Copper	2.094		E, S *4
Arsenic	1.148		E, S *4
Cyanide	0.308		E, S *3
Lead	0.854		E, S *4
Mercury	0.00914		E, S *4
Nickel	3.095		E, S *4
Silver	0.592		E, S *4
Zinc	0.308 4.014		E, S *4
Flow (gal/day)		REPORT ONLY	S
Phenols (total)		REPORT ONLY	S
pH Maximum (instantaneous)	11.0	S.U.	E, S
pH Minimum (instantaneous)	5.0	S.U.	E, S

E - Enforcement Monitoring
 SC - Surcharge Monitoring *2
 S - Self-Monitoring

*1. (lbs/day) = (concentration(mg/L))x(daily flow MGD)x(8.34)

*2. Exceedances of these parameters are not considered a violation by the City of Jacksonville, Ordinance No. 1133, unless they cause the Treatment Plant Head Works to exceed these levels. Exceedances of these parameters are subject to surcharge.

*3 Samples for this parameter shall be collected using the grab method.

*4 Samples for this parameter shall be collected as composite samples (minimum of 4 parts over a 24-Hour period).

PART II: MONITORING REQUIREMENTS

1. The Utility will conduct surcharge and enforcement monitoring at a frequency subject to the discretion of the Utility. Samples collected for surcharge monitoring will be averaged with the samples collected by the permittee for the purpose of assessing a surcharge if applicable.

2. The Permittee will monitor the discharge from Little Rock Air Force Base at the flow-monitoring flume located at South Redmond Road, behind the Jacksonville Animal Services Shelter, for the following pollutants at the frequency specified. All samples shall be 24-hour flow proportional composites with aliquots taken no more than 60 minutes apart unless otherwise indicated.

BOD ₅		-1 sample every month*
TSS		-1 sample every month*
O&G		-1 sample every month
pH		-1 sample every month
Cadmium	(total)	-1 sample every month*
Chromium	(total)	-1 sample every month*
Copper	(total)	-1 sample every month*
Lead	(total)	-1 sample every month*
Nickel	(total)	-1 sample every month*
Silver	(total)	-1 sample every month*
Zinc	(total)	-1 sample every month*
Cyanide	(total)	-1 sample every 6 months
Arsenic	(total)	-1 sample every 6 months*
Mercury	(total)	-1 sample every 6 month*
Phenols	(total)	-1 sample every 6 months#

*-Denotes composite sample

#-Denotes special composite sample (see No. 3 below)

3. Samples for this parameter must be collected by obtaining three aliquots (at least four hours must pass between aliquots) over a twenty four-hour period. These aliquots must be composited by the laboratory before analysis.

4. All sample collection, handling, preservation and analysis shall be performed by an ADEQ-certified laboratory unless they are performed by the permittee. Designated laboratories shall be subject to Jacksonville Wastewater Utility approval.

5. All samples handling, preservation, equipment, sample container, holding times, analysis and quality control procedures shall be in accordance with approved and current EPA procedures and requirements.

PART III: REPORTING REQUIREMENTS/SPECIAL CONDITIONS

1. SPILL CONTROL

A. In case of an accidental discharge, the Jacksonville Wastewater Utility Pretreatment Coordinator/Laboratory Department must be notified immediately, by telephone, at 982-0581. If after regular business hours, leave a message with the answering service, which will notify the proper Utility personnel. Notification shall include location of discharge, type of waste, concentration and volume, Permittee personnel with knowledge of the spill, and corrective actions to be taken by the Permittee to prevent any further accidental discharge.

(City of Jacksonville, Ordinance No. 1133 – Section 13.24.16)

B. A notice shall be permanently posted on the Permittee's bulletin board(s) or other prominent place-advising employees of the notification procedure in the event of a dangerous discharge. Permittee shall ensure that all employees who may cause or witness such a dangerous discharge are advised of the emergency notification procedure.

(City of Jacksonville, Ordinance No. 1133 – Section 13.24.16)

C. Within five days of an accidental discharge, the Permittee shall submit to the Manager of Jacksonville Wastewater Utility, a detailed written report describing the cause of the discharge and the measures to be taken by the Permittee to prevent future incidents.

(City of Jacksonville, Ordinance No. 1133 – Section 13.24.16)

2. REPORTING REQUIREMENTS

A. The Permittee will submit monthly self-monitoring reports for the pollutants monitored during the previous month. These reports are due by the last day of the month for all samples collected in the previous month. The report must contain the results of all samples collected during the month, the daily maximum and average discharge flow rate, and a signed statement that all sampling and analysis was performed according to EPA regulations. The first monthly self-monitoring report will be due **February 28, 2001** for samples collected in **January of 2001**. (40 CFR 403.12)

B. If the Permittee monitors any pollutant more frequently than required by Part II (2) of this Permit, the results of this monitoring shall be included in the reports required by Part III, Section 2A of this Permit. (40 CFR 403.12.G.5)

C. The Permittee shall notify the Utility of any violations of the Pretreatment Standards specified in Part I of this Permit. If sampling performed by the Permittee indicates a violation, the Permittee shall notify the Utility's Pretreatment Coordinator/Laboratory Department, by telephone, within one (1) business day of becoming aware of the violation. (40 CFR 403.12.G.2)

D. The Permittee shall notify the Utility prior to the introduction of new wastewater or pollutants, any substantial change in the volume or characteristic of the wastewater being discharged to the sanitary sewer, or any new construction or process modifications involving plumbing changes. This notification shall be written and the Permittee must receive the Utility's approval before the changes can occur.

(City of Jacksonville, Ordinance No. 1133 – Section 13.24.16)

E. If the Permittee experiences a sewer line overflow anywhere on the Permittee's collection system, The Permittee will collect a sample of the overflow and report to the Utility in writing on the nature of the overflow. This report will contain the date and duration of the overflow, the quantity of the overflow, the cause of the overflow, analytical results of the samples taken of the overflow, any steps taken by the Permittee to reduce or eliminate the overflow, and any steps taken by the Permittee to prevent a reoccurrence of the overflow. Overflows from residential areas should be sampled for biochemical oxygen demand (BOD) and total suspended solids (TSS). Overflows from nonresidential area should be sampled for BOD, TSS any other pollutant reasonably expected to be present in the discharge. Reports on overflows must be submitted to the Utility no later than thirty (30) days after the occurrence of the overflow.

F. All reports required by this permit must be signed by either the owner, general partner, a principal executive officer of at least the level of vice president, or a responsible individual who has received written delegation of this authority from either the owner, general partner, or a principal executive officer of at least the level of vice president. (40 CFR 403.12 (k))

G. The Permittee shall notify the utility of the release of a slug load. A slug load is any release of pollutants at a flow rate or concentration, which would cause the Permittee to violate any limitations contained in this permit or the General Discharge Prohibitions contained in the City of Jacksonville Ordinance No. 1133. This notification shall be made immediately by telephone –982-0581. The notification shall include the corrective actions to be taken. The verbal notification must be followed by a detailed written report within five days of the discharge. (40 CFR 403.12. (g))

3. SPECIAL CONDITIONS

A. If the Permittee experiences a violation of any of the Pretreatment Standards specified in Part I of this Permit, then the Permittee will resample for that pollutant within 30 days, unless the Permittee has samples for that parameter since the violation. (40 CFR403.12.g)

PART IV: STANDARD CONDITIONS

1. The Permittee shall comply with all general prohibitive discharge standards in the City of Jacksonville Ordinance No. 1133 – Section 13.24.09.
2. Rights of Entry – The Permittee shall allow duly authorized representatives of the Utility, bearing proper credentials and identification, to enter the premises at reasonable hours for the purpose of inspecting, sampling or record inspection. Reasonable hours are considered anytime the Permittee is operating any process, which results in the discharge of wastewater to the sanitary sewer.
(City of Jacksonville, Ordinance No. 1133 – Section 13.24.21)
3. Records Retention – The Permittee shall retain all records relative to monitoring, analysis, and operations of any process or treatment system, which results in the discharge of wastewater to the sanitary sewer for a minimum of three (3) years.
(40 CFR 403.12 (1))
4. Dilution – The Permittee shall not increase the use of potable or process waters or, in any way, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in Part I of this permit. (City of Jacksonville Ordinance No. 1133 – Section 13.24.14)
5. Non-transferability – This permit is issued to a specific Permittee for a specific operation and is not assignable to another discharger or transferable to any other location without the prior written approval of the Utility.
(City of Jacksonville, Ordinance no. 1133 – Section 13.24.8)
6. Permit Modification – (a) The terms and conditions of this permit are subject to modification by the Utility at any time in response to changes in the City of Jacksonville Ordinance No. 1133, modification or promulgation of any federal regulation including promulgation of new Categorical Pretreatment Standards, State of Arkansas Regulation, and/or issuance of special or administrative orders, (b) Any permit modifications which result in new conditions or limitations will include a reasonable time schedule for compliance, if necessary.
7. Permit Revocation – This permit may be revoked by the Utility if it is determined that the Permittee has violated any provision of this permit, City of Jacksonville Ordinance No. 1133, State of Arkansas regulations, or EPA regulations. Additionally, falsification or intentional misrepresentation of data or statements pertaining to the permit application or any report required by this permit shall be cause for permit revocation.

8. Penalties – Failure to resolve any violation of this permit, City of Jacksonville Ordinance No. 1133, State of Arkansas regulation, or EPA regulation may result in the Utility seeking applicable fines and penalties as outlined in City of Jacksonville Ordinance No. 1133 – Section 13.24.19.8.

9. Severability – The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

10. Property Rights – The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any invasion of personal rights, nor any infringement of federal, state or local regulation.

11. Proper Disposal of Pretreatment Sludge and Spent Chemicals – The Permittee shall dispose of any sludge or spent chemicals in accordance with Section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act. (40 CFR 403.8 (f) (iii))

12. Confidentiality – All reports and data related to the requirements of the permit shall be available for public inspection at the Jacksonville Wastewater Utility, 248 Cloverdale Road, except for that information that is deemed confidential in accordance with the provisions of the City of Jacksonville Ordinance No. 1133 – Section 13.24.23

13. Permit Expiration – This permit comes due for review on December 11, 2002. The Permittee must reapply for re-issuance of the permit at least 180 days prior to the expiration date. The Utility will notify the Permittee of this responsibility 90 days before the reapplication date. (City of Jacksonville, Ordinance No. 1133 – Section 13.24.19.6)

**Little Rock Air Force Base
Permit Limits for Enforcement Parameters**

The limits in Part 1 of the Industrial Discharge Permit issued to your facility are based upon the recent study conducted with the guidance of the Arkansas Department of Environmental Quality. These calculations are based upon the allocation of 25% of the "Net for Industry" pollutant concentrations listed in Table 13 of the study, plus the background values for each parameter as determined by a Utility study performed in 1987. A flow rate of 1.1 MGD was used for the calculations using the following formula:

lbs/day pollutant = (background) (1.1 MG) (8.34) + 25% of Net Industry Pollutant Concentrations

	Discharge Limit lbs/day	Equivalent Concentration mg/L
As (t) = $0.003 \times (1.1 \times 8.34) + 1.120$	1.148	0.125
Cd (t) = $0.005 \times (1.1 \times 8.34) + 0.219$	0.265	0.029
Cr (t) = $0.002 \times (1.1 \times 8.34) + 2.781$	2.799	0.303
Cu (t) = $0.044 \times (1.1 \times 8.34) + 1.690$	2.094	0.184
Pb (t) = $0.060 \times (1.1 \times 8.34) + 0.304$	0.854	0.033
Hg (t) = $0.0008 \times (1.1 \times 8.34) + 0.0018$	0.0094	0.0002
Ni (t) = $0.033 \times (1.1 \times 8.34) + 2.792$	3.095	0.304
Ag (t) = $0.002 \times (1.1 \times 8.34) + 0.574$	0.592	0.063
Zn (t) = $0.209 \times (1.1 \times 8.34) + 2.097$	<u>4.014</u>	0.229
CN ⁻ (t) = $0.004 \times (1.1 \times 8.34) + 0.271$	0.308	0.030

22 SEPT00

WINDSOR

PLS VERIFY LEAFB HAS RECEIVED THE PROPER LIMITS. THEY DO NOT SAY HOW OUR LIMITS WERE CALCULATED. MR



Jacksonville Wastewater Utility

P.O. Box 69, 248 Cloverdale Road, Jacksonville, AR 72078
Phone: 501/982-0581 Fax: 501/982-5791

September 20, 2000

Mr. Robert Seay, P. E. Chief Environmental Flight
314 CES/DIV
528 Thomas Avenue
Little Rock AFB, AR 72099

Dear Mr. Seay:

Jacksonville Wastewater Utility has recently completed a study under approval of Arkansas Department of Environmental Quality (ADEQ), in which the Maximum Allowable Headworks Concentration (MAHL) has been determined for the Dr. J. Albert Johnson Regional Treatment Facility. This study was used to calculate new Local Limits for Industries that have discharges regulated under Industrial Discharge Permits. Through these calculations, the daily limits listed on your facility's Industrial Discharge Permit will be changed. These changes are listed below; and will be effective January 1, 2001.

Parameter:	Limit:
BOD ₅	250 mg/L per day
TSS	250 mg/L per day
O&G	100 mg/L per day
As (t)	1.148 lbs/day
Cd (t)	0.265 lbs/day
Cr (t)	2.799 lbs/day
Cu (t)	2.094 lbs/day
Pb (t)	0.854 lbs/day
Hg (t)	0.00914 lbs/day
Ni (t)	3.095 lbs/day
Ag (t)	0.592 lbs/day
Zn (t)	4.014 lbs/day
CN' (t)	0.308 lbs/day
pH	5.0 to 11.0 s.u. per day

Please note these changes and compare them to your current discharge limits. If you have concerns about achieving these new discharge limits, please notify the Utility as to how they affect your discharge. We offer our assistance in working with your facility in achieving compliance with these new discharge limits. A revised Industrial Discharge Permit, containing the new discharge limits, will be sent to you.

If you have any questions please call at 982-0581.

Sincerely,
JACKSONVILLE WASTEWATER UTILITY


Jon Boyles
Pretreatment Coordinator

cc: Thea Hughes, General Manager