



KANSAS CITY WATER SERVICES

INDUSTRIAL WASTE DIVISION

1001 Harrison
Kansas City, MO 64106

P: 816-513-8600 F: 816-513-0615

WASTEWATER DISCHARGE PERMIT

In accordance with Chapter 60, Kansas City, Missouri Code of Ordinances, permission is hereby granted to **The United States Department of Energy** to discharge wastewater from the facility located at **The Kansas City Plant, 2000 East 95th Street, Kansas City, Missouri.**

This permit is granted in accordance with discharge limitations, monitoring requirements and other conditions set forth in Parts A, B, C, D, and E hereof.

This permit is granted for the period of **June 30, 2014 to June 30, 2019**, or until such time as it is no longer applicable to facility's operations, whichever comes first.

A handwritten signature in black ink, appearing to read "David Nelsen", written over a horizontal line.

David Nelsen
Wastewater Utility Officer

Signed the 27 day of June, 2014.

Part A GENERAL CONDITIONS

1. APPLICABILITY

Permittee shall comply with all requirements and limitations specified in Chapter 60, Kansas City, Missouri Code of Ordinances and Sections A, B, C, D, and E of this permit. The Ordinance limits apply at the point where Permittee's sewer line connects to the City Sewer.

2. PERMIT AVAILABILITY

The original copy of this signed permit shall be at all times available at the address stated on the first page of this permit.

3. DEFINITIONS (ref: SUO 60-112)

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Chapter 60, Section 60-112 of the Code of Ordinances. Several, but not all of these definitions are repeated below for the convenience of Permittee:

a. Authorized Representative of a Permittee:

- 1) If Permittee is a corporation, Authorized Representative shall mean the president, secretary, treasurer, or a vice-president of the corporation in charge of a principal business function, or any other person who performs policy or decision-making functions for the corporation;
- 2) If Permittee is a partnership or sole proprietorship, Authorized Representative shall mean a general partner or proprietor, respectively;
- 3) If Permittee is a Federal, State or local governmental facility, Authorized Representative shall mean a Director or the highest official appointed or designated to oversee the operation and performance of the activities of the governmental facility, or his designee;
- 4) The individuals described in paragraphs 1 through 3 above may designated another Authorized Representative if the authorization is submitted in writing to the Director and the authorization specifies the individual or position responsible for the overall operation of the facility from which the Discharge originates or who has overall responsibility for environmental matters for Permittee.

b. Average of daily values for "x" consecutive monitoring days (where "x" is an integer): Average of any "x" consecutive samples collected by Permittee or the City.

c. Categorical Pretreatment Standard or Categorical Standard: Any regulation containing pollutant discharge limits promulgated by EPA in accordance with Sections 307(b) and (c) of the Act which apply to a specific category of Permittees and which appear in 40 CFR Chapter I, Subchapter N, Parts 405-471.

- d. Combined Wastestream Formula: A method defined in 40 CFR 403.6(e) to derive alternative discharge limits. Such alternative discharge limits may apply where process effluent regulated by any Categorical Pretreatment Standard is mixed prior to treatment with Wastewaters other than those generated by the regulated process.
- e. Composite Sample: A sample resulting from the combination of individual Wastewater samples taken at selected intervals based on an increment of either flow or time.
- f. Daily: An operating day. The duration of the operating day shall be the period of routine operation of the particular system whose wastewater discharge is being permitted, in a given calendar day.
- g. Daily Maximum: The maximum flow rate or maximum average concentration of a particular pollutant that may be discharged in a Day.
- h. Day: A period of normal operation not to exceed twenty-four hours.
- i. Discharge: Material directly or indirectly released to the POTW; or the act of releasing material directly or indirectly to the POTW.
- j. Effluent: The “end of process” liquid wastes from an industrial process which ultimately are Discharged.
- k. Grab Sample: A sample, which is taken on a one-time basis without regard to the flow rate of the sample stream and without consideration of time.
- l. Hazardous Waste: Any material, regardless of amount, which would be defined as a hazardous waste under 40 CFR Part 261 or 10 CSR 25 if it were not discharged to the POTW.
- m. Instantaneous Maximum Allowable Discharge Limit: The maximum concentration of a pollutant allowed to be Discharged at any time, independent of the Discharge rate and duration of the sampling event.
- n. Monthly: One normal operating day each month.
- o. Monthly Average: The total mass or concentration of all daily discharges sampled during a calendar month divided by the number of daily discharges sampled during that calendar month.
- p. Normal Sewage: Wastewater which contains not over two hundred fifty (250) milligrams per liter (mg/l) of Suspended Solids, not over two hundred fifty (250) milligrams per liter (mg/l) of BOD, not over thirty (30) milligrams per liter (mg/l) of Oil & Grease and which does not contain any of the materials or substances listed in Section 60-121 of the Sewer Use Ordinance in excess of allowable amounts specified in said section.
- q. Oil & Grease: Any material recovered as a substance soluble in an organic extracting solvent as specified by Standard Method 5520 of STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 20th Edition, 1999 or the latest revision thereto. Oil & Grease is

composed primarily of fatty matter from animal and vegetable sources and from hydrocarbons of petroleum origin. The concentration of Oil & Grease of petroleum origin can be determined using Standard Methods 5520F. The concentration of Oil & Grease of animal and vegetable origin is hereby defined as the difference between the total and the petroleum hydrocarbon Oil & Grease concentrations.

- r. Pretreatment: The reduction of the amount of Pollutants, the elimination of Pollutants, or the alteration of the nature of Pollutant properties in Wastewater prior to or in lieu of introducing such Pollutants into the POTW. This reduction or alteration can be obtained by physical, chemical or biological processes, by process changes, or by other means, but not by diluting the concentration of the Pollutants unless allowed by an applicable Pretreatment Standard or Requirement.
 - s. Slug Discharge: Any Discharge of a nonroutine, episodic nature, including, but not limited to, any accidental spill or a non-customary Discharge.
 - t. Toxic Pollutants: Those substances listed in regulations promulgated by EPA under the provisions of Section 307 (33 USC 1317) of the Act.
 - u. Weekly: One normal operating day each week.
4. ABBREVIATIONS (Ref: SUO 60-113)

The following abbreviations shall have the designated meanings:

BOD – Biochemical Oxygen Demand
ccf – Hundred cubic feet
CFR – Code of Federal Regulations
CSR – Code of State Regulations
CWF Factor – Combined Wastestream Formula Factor
EPA – United States Environmental Protection Agency
GPD – Gallons Per Day
mg/l – Milligrams per Liter
NPDES – National Pollutant Discharge Elimination System
O&M – Operations and Maintenance
PCB's – Polychlorinated Biphenyl's
POTW – Publicly Owned Treatment Works
s.u. – Standard Units
SUO – Sewer Use Ordinance (KCMO, Chapter 60, Code of Ordinances)
TTOs – Total Toxic Organics
TSS – Total Suspended Solids
USC – United States Code
ug/l – Micrograms per liter
WWTP – Wastewater Treatment Plant

5. REPRESENTATIVE SAMPLING AND ANALYSIS

Samples and measurements taken as required herein shall be representative of the nature and volume of the monitored discharge.

6. CHANGE IN DISCHARGE (Ref: SUO 60-140 C)

Prior to significantly altering or adding to the permitted operation, processes, or Wastewater volume or character, Permittee shall apply for and shall obtain a new permit. Such application shall be submitted to the Director 60 days prior to any planned alteration in Discharge. This 60-day notice may be waived by the Director for alterations that reduce the total quantity of Wastewater or Pollutants Discharged.

7. ACCIDENTAL/SLUG DISCHARGE CONTROL PLANS (Ref. SUO 60-126)

Permittee shall have reasonable safeguards, as described in Part B, Section 7 of this permit, to prevent Discharge or leakage of any material stored in areas served by, or draining into, the POTW which could create a fire or an explosion hazard in the POTW or in any other way have a deleterious effect upon the POTW's facilities or treatment processes, or constitute a hazard to human beings or animals or the Receiving Stream.

If an accidental or slug discharge occurs, Permittee shall notify the Department immediately, supplying the information required by Part B, Section 8a of this permit.

8. NONCOMPLIANCE OR POTENTIAL PROBLEMS NOTIFICATION

If for any reason Permittee experiences a violation of the Effluent and/or Discharge limitations provided in Chapter 60 Code of Ordinances and/or in this permit or an accidental or slug Discharge, Permittee shall notify the Department as described in Part B, Section 8 of this permit.

9. HAZARDOUS WASTE DISCHARGE REPORTING (Ref: SUO 60-158)

Permittee shall report to the Director any Discharge into the POTW of a substance which, if otherwise disposed of, would be defined as a Hazardous Waste under 40 CFR Part 261. A Hazardous Waste Discharge Report as described in Part B, Section 9 of this permit, shall be submitted with the periodic compliance report required in Part C of this permit.

10. ADVERSE IMPACT

Permittee shall take all reasonable steps to minimize any adverse impact to the sewer system resulting from noncompliance with any discharge limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

11. WASTE RESIDUALS (Ref: SUO 60-121 J)

Solids, sludges, filter backwash or other pollutants removed in the course of treatment or control of wastewaters and/or the treatment of intake waters, shall be disposed of in a manner that prevents any pollutant from such material from entering the City sewer.

12. POWER FAILURES

In order to maintain compliance with the discharge limitations and prohibitions of this permit, Permittee shall provide any alternative power source sufficient to operate the wastewater control facilities; or, if such alternative power source is not provided, Permittee shall halt, reduce or otherwise control production and/or controlled discharges upon the loss of power to the wastewater control facilities.

13. RIGHT OF ENTRY (Ref: SUO 60-171)

- a. Whenever necessary to make an inspection, to collect samples, or to enforce any of the provisions of this permit or whenever the Director or the Director's authorized representative has reasonable cause to believe that there exists justification to undertake such activities, the Director or the Director's representative may enter a facility at any reasonable time to inspect the same or to perform any duty imposed upon the Director by the Code of Ordinances.
- b. No Person shall refuse the Director or his representative access to Permittee's premises or shall cause unreasonable delay in such access.
- c. If no consent has been given to enter or inspect any facility, entry or inspection shall be made after the procurement of a warrant from a judge of a court of competent jurisdiction.

14. TRANSFER OF OWNERSHIP OR CONTROL (Ref: SUO 60-143 B)

In the event of any change in control or ownership of facilities for which this permit has been issued, this permit shall become null and void. The succeeding owner shall submit a new permit application to the Department prior to discharge to the City Sewer.

16. WASTEWATER DISCHARGE PERMIT MODIFICATIONS (Ref: SUO 60-146)

- a. This permit may be modified for good cause including, but not limited to, the following:
 - 1) To incorporate any new or revised Federal, State, or local Pretreatment Standard or monitoring requirement;
 - 2) To address significant alterations or additions to Permittee's operation, processes, or Wastewater volume or character since the time of Wastewater Discharge permit issuance;
 - 3) A change in the POTW that requires either a temporary or permanent reduction or elimination of the authorized Discharge;
 - 4) Information indicating that the permitted Discharge poses a threat to the POTW, City personnel, or the receiving waters;

- 5) Violation of any terms or conditions of the Wastewater Discharge permit or Chapter 60 Code of Ordinances;
 - 6) Misrepresentations or failure to fully disclose all relevant facts in the Wastewater Discharge permit application or in any required reporting;
 - 7) Revision of Categorical Pretreatment Standards;
 - 8) To correct typographical or other errors in the Wastewater Discharge permit.
- b. The filing of a request by Permittee for a Wastewater Discharge permit modification shall not stay any Wastewater Discharge permit condition.

17. ANNUAL PUBLICATION

A list of all Industrial Users which were in significant noncompliance with applicable pretreatment requirements during the twelve (12) previous months shall be annually published by the Department in the largest daily newspaper within its service area. Accordingly, Permittee is apprised that noncompliance with this permit may lead to an enforcement action and may result in publication of its name and noncompliance in an appropriate newspaper.

18. TERMINATION OF SERVICE (Ref: SUO 60-186)

- a. Termination of sewer service due to chronic violation:

If Permittee is found to be in violation of this permit, Chapter 60 Code of Ordinances or any other issued thereunder, he is subject to termination of water and /or sewer service. In such event, Permittee shall be given thirty (30) days notice of the proposed termination of service and offered any opportunity to show cause why the proposed action should not be taken.

- b. Immediate termination of water and/or sewer service:

Immediate suspension of service pursuant to Section 60-188 of the Code of Ordinances shall be implemented to stop any actual or threatened Discharge which reasonably appears to present or cause any imminent or substantial endangerment to the health or welfare of persons, which threatens to interfere with the operation of the POTW, or which presents or may present an endangerment to the environment.

19. CIVIL AND CRIMINAL LIABILITY

Nothing in this permit shall relieve Permittee from any responsibilities, liabilities or penalties under provisions of Chapter 60, Kansas City, Missouri Code of Ordinances or of any Federal, State and/or Local laws or regulations. Knowingly making any false statement on any report required by this permit may result in the imposition of criminal penalties as provided for in Section 309 of the Federal Water Pollution Control Act (hereinafter "The Act").

20. CONFIDENTIALITY

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. As required by the Act, effluent data shall not be considered confidential.

21. SEVERABILITY

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

22. SEWER CHARGES; FEES AND COST (Ref: SUO Division 9; Sections 60-190 to 194)

a. Permit Fees and Monitoring Fees.

- 1) Permittee shall pay all permit fees and all monitoring fees applicable under Chapter 60, DIVISION 9, Section 60-190 through 60-194 of the Code of Ordinances.
- 2) Permit application review fees are applicable and are normally due at the time of the permit application. Permit application review fees shall normally be billed at the same time as the water bill and normal sewer service charge unless otherwise approved by the Director.
- 3) Permit Maintenance fees are payable on a monthly/bimonthly basis and shall normally be billed at the same time as the water bill and the normal sewer service charge unless otherwise approved by the Director.
- 4) If additional sampling and analysis are required by enforcement circumstances, sample collection shall be billed at the rate of \$250 per occurrence (day) and sample analyses shall be billed at cost as determined by the current City laboratory analyses fee schedule. Enforcement sampling and testing charges shall normally be billed at the same time as the water bill and the normal sewer service charge unless otherwise approved by the Director.
- 5) A Wastewater Discharge permit shall be issued/reissued only after payment of applicable fees.
- 6) Permit fees are non-refundable.

- b. Surcharge when concentration of BOD, Suspended Solids or Oil & Grease exceeds normal sewage.
- 1) When the BOD, Suspended Solids and/or Oil & Grease concentration of a Discharge exceeds the maximum concentration of any or all of these components in Normal Sewage (BOD of 250 mg/l, SS of 250 mg/l, O&G of 30 mg/l), a surcharge of surcharges established by the formulae set forth in Chapter 60, DIVISION 9, Section 60-190 through 60-194 shall be levied in addition to the normal sewer service charge.
 - 2) The Director, at his discretion, may require a Permittee to collect and analyze samples of its own Wastewater at its own expense. The samples are to be collected and analyzed in accordance with Standard Laboratory Methods. The City reserves the right to verify any such submitted data.
 - 3) Any surcharge or surcharges pursuant to this permit shall be shown on the water bill as a separate item or items which shall show the amount of the surcharge or surcharges and shall be payable to the KCMO Water Services Department at the same time as the water bill and the normal sewer service charge.

23. INDEMNIFICATION

Permittee shall indemnify the City of Kansas City, Missouri and hold it harmless from and against all damages, claims, liability, suits or action for bodily injury to or death of any person or persons and injury to or destruction of any property resulting from, or in any way connected with, Permittee's discharge into the sewer system of Kansas City, Missouri.

24. RENEWAL OF PERMIT

If Permittee wishes to renew this permit, a written request must be submitted to the Department at least 180 days prior to the expiration date of this permit.

25. VIOLATIONS AND PENALTIES

Violations of the terms and conditions of this permit or Chapter 60, Kansas City Missouri Code of Ordinances, are subject to the penalties provided in Section 60-180 through 60-194 Code of Ordinances, including termination of water and/or sewer service.

Part B GENERAL REQUIREMENTS FOR MONITORING AND REPORTING

1. REPRESENTATIVE SAMPLING AND ANALYSES

- a. To obtain meaningful data for the self-monitoring program, a properly preserved representative sample must be delivered for analysis. The calculations should be completed and the results converted to final form so that the analytical data can be permanently recorded in meaningful, exact terms.
- b. Sampling and analyses shall be performed in accordance with the techniques described in 40 CFR Part 136 and amendments thereto.
- c. Control checks shall be performed during sample collection and analysis to determine the performance of the sample collection system and laboratory equipment. Examples of control checks are:
 - 1) Duplicate Samples – Separate samples taken from the same source at the same time. These provide a check on sampling equipment and precision techniques.
 - 2) Split Samples – A sample that has been divided into two containers for analysis by separate laboratories. This aids in identifying discrepancies in analytical techniques and procedures.
 - 3) Spike Samples – A sample to which a known quantity of a substance has been added. It provides a proficiency check for accuracy of the analytical procedures.
 - 4) Sample Preservation Blanks – A sample of reagent water to which a known quantity of preservative is added. This sample is then analyzed to determine the purity of the preservatives.

2. SAMPLING AND FLOW METERING (Ref: SUO 60-170 C and D)

- a. Permittee shall install sampling and monitoring equipment as necessary to conduct sampling and/or metering of Permittee's Discharge.
- b. Permittee's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by Permittee at its own expense.
- c. All devices used to measure Wastewater flow and quality shall be calibrated periodically to ensure their accuracy.

3. RECORD KEEPING (Ref: SUO 60-117)

- a. Permittee shall make available for inspection and copying by the Director all records and information required by the Director or by provisions of this permit.

- b. For a period of at least three (3) years, Permittee shall maintain records of all information resulting from any sampling or monitoring required pursuant to this permit, including:
 - 1) time, date, place and method of sampling and analysis,
 - 2) personnel involved and the results of such activities,
 - 3) material safety data sheets,
 - 4) incoming and/or outgoing Hazardous Waste manifests,
 - 5) analytical reports, production records, purchase records, reports submitted to regulatory agencies, and
 - 6) other related records.
- c. The period for maintaining records shall be automatically extended for the duration of any litigation concerning compliance with this permit, or where Permittee has been specifically notified of a longer retention period by the Director.

4. DISCHARGE REQUIREMENTS

Permittee shall comply with all Discharge limits set forth in Chapter 60, Kansas City, Missouri Code of Ordinances and Part C of this permit.

5. ADDITIONAL MONITORING BY PERMITTEE (Ref: SUO 60-155 C)

If Permittee monitors any Pollutants at the location(s) designated herein more frequently than required by this permit, using approved analytical methods, the results of such monitoring shall be included in the calculation and reporting of Pollutant Discharges in the monitoring report. Such increased monitoring frequency shall also be indicated.

6. REPORTING CHANGES IN DISCHARGE

- a. Permittee shall notify the Director of any planned significant changes to Permittee's operations or systems which may alter the nature, quality or volume of its Wastewater at least sixty (60) days before the change. Permittee shall submit such information as may be deemed necessary by the Director to evaluate the changed condition, including a Wastewater Discharge permit application. This report shall contain the Reporting Certification Statement in Part B, Section 11b of this permit.
- b. No Permittee shall implement the planned changed condition(s) until and unless the Director has responded to Permittee's notice.
- c. For purposes of this requirement, flow increases of more than ten percent (10%) or the Discharge of any previously unreported Pollutant shall be deemed significant changes.

7. ACCIDENTAL/SLUG DISCHARGE CONTROL PLANS (Ref: SUO 60-126)

Permittee shall develop and implement an accidental/Slug Discharge control plan. This plan shall include at least the following:

- a. Description of Discharge practices, including nonroutine Batch Discharges;
- b. Description and location of stored chemicals;
- c. Procedures for immediately notifying the POTW of any accidental or Slug Discharge or any Discharge which violates Part C, Section 1 of this permit, and for providing a written report of such Discharge within five days of its occurrence. Such report shall be submitted in accordance with Part B, Section 8a of this permit;
- d. Procedures for permanently posting a notice in a conspicuous place in a common area of Permittee's premises advising employees whom to call in the event of an accidental or Slug Discharge. Permittee shall ensure that all employees who may cause or suffer such a Discharge to occur are advised of the emergency notification procedure; and
- e. Procedures to prevent adverse impact from any accidental or Slug Discharge. Such procedures include, but are not limited to, inspections and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site runoff, worker training, measures for containing materials, and/or measures and equipment for emergency responses.

8. REPORTS OF NONCOMPLIANCE OR POTENTIAL PROBLEMS

- a. In case of accidental Discharges, Discharges of a non-routine, episodic nature, non-customary Batch Discharges, or Slug Discharges which may cause potential problems for the POTW (including a violation of the prohibited Discharge standards in Part C, Section 1 of this permit), the following procedure shall be implemented:
 - 1) Immediately telephone and notify the Director of the incident. This notification shall include:
 - a) the location of Discharge,
 - b) source of Discharge,
 - c) material(s) involved,
 - d) concentration and volume, if known, and
 - e) corrective actions taken by Permittee.
 - 2) Within five (5) days following such Discharge, Permittee shall, unless waived by the Director, submit a detailed written report describing:
 - a) the cause(s) of the Discharge,

- b) the measures to be taken by Permittee to prevent similar future occurrences, and
 - c) the report certification listed in Part B, Section 11 of this permit.
- b. In the case of violations discovered through sampling performed by Permittee, the following procedure shall be implemented:
 - 1) Permittee shall notify the Director within twenty-four (24) hours of becoming aware of the violation. This notification shall include:
 - a) the parameter in question,
 - b) the concentration of the parameter,
 - c) the maximum daily allowable concentration, and
 - 2) Permittee shall resample the wastestream in violation until such time as the results of repeat sampling are in compliance with limitation in Part C, Section 1 of this permit.
 - 3) Permittee shall submit a written report within 30 days of each reported violation which includes the following:
 - a) the results of the repeated sampling,
 - b) the cause of the exceedance,
 - c) the measures to be taken by Permittee to prevent similar future occurrences, and
 - d) the report certification listed in Part B, Section 11 of this permit.
- c. Such notification shall not relieve Permittee of any expense, loss, damage, or other liability which may be incurred as a result of damage to the POTW, natural resources, or any other damage to person or property; nor shall such notification relieve Permittee of any fines, civil penalties, or other liability which may be imposed by this permit.
- d. Each failure to notify the Director of a Discharge described above shall be deemed a separate violation of this permit.

9. HAZARDOUS WASTE DISCHARGE REPORTING (Ref: SUO 60-158)

- a. Permittee shall report to the Director any Discharge into the POTW of a substance which, if otherwise disposed of, would be defined as a Hazardous Waste under 40 CFR Part 261 (see Part F of this permit for a partial list of hazardous wastes listed in 40 CFR 261).
- b. Such report must include:
 - 1) the name of the Hazardous Waste as set forth in 40 CFR Part 261,
 - 2) the EPA hazardous waste number, and
 - 3) the type of Discharge (continuous, batch or other).

- c. The report shall also contain the following information to the extent such information is known and readily available to Permittee:
 - 1) an identification of the hazardous constituents contained in the waste(s),
 - 2) an estimation of the mass and concentration of such constituents in the wastestream Discharged during each calendar month of that reporting period, and
 - 3) an estimation of the mass of such constituents in the wastestream expected to be Discharged during the following twelve calendar months.
- d. The Hazardous Waste Discharge report shall be made a part of every periodic compliance report,
- e. The reporting requirements in this Section shall not apply to individual Pollutants already reported under the self-monitoring requirements of this permit.
- f. Permittee shall certify that it has a program in place to reduce the volume and toxicity of Hazardous Wastes generated to the degree it has determined to be economically practical.

10. REPORTING CERTIFICATION STATEMENT

- a. Permittee shall include the Reporting Certification statement in all reports submitted to the department or Director.
- b. The Reporting Certification Statement is:

I have personally examined and am familiar with the information submitted in the report. Based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe that it is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including fines and imprisonment.

- c. All certification statements must be signed by Permittee's Authorized Representative.
- d. If an authorization as specified in Part A, Section 3a(4) of this permit is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for the environmental matters for the company, a new authorization satisfying the requirements of Part A, Section 3a(4) of this permit must be submitted to the Director prior to or together with any reports to be signed by the new Authorized Representative.

Part C SPECIFIC MONITORING, DISCHARGE AND REPORTING REQUIREMENTS

1. DISCHARGE LIMITATIONS AND MONITORING

a. Total Discharge

The total Discharge shall be in compliance with Chapter 60 Code of Ordinances and Title 40 of the Code of Federal Regulation.

| <u>Parameter</u> | <u>Maximum For Any One Day</u> | <u>Monthly Average Shall Not Exceed</u> | <u>Sample Type</u> | <u>Self-Monitoring Required</u> | <u>Sampling Cycle</u> | <u>Number of Sampling Days Each Cycle</u> |
|----------------------------|--------------------------------|---|--------------------|---------------------------------|-----------------------|---|
| Arsenic | 1.80 mg/l | ----- | composite | Yes | Semi-Annua | 2 |
| Benzene | 0.50 mg/l | ----- | grab | Yes | Semi-Annua | 2 |
| Cadmium | 1.00 mg/l | ----- | composite | Yes | Semi-Annual | 2 |
| Chromium | 5.00 mg/l | ----- | composite | Yes | Semi-Annual | 2 |
| Copper | 5.10 mg/l | ----- | composite | Yes | Semi-Annual | 2 |
| Cyanide | 2.00 mg/l | ----- | grab | Yes | Semi-Annual | 2 |
| Ethylbenzene | 1.00 mg/l | ----- | grab | Yes | Semi-Annual | 2 |
| Lead | 5.00 mg/l | ----- | composite | Yes | Semi-Annual | 2 |
| Mercury | 0.05 mg/l | ----- | composite | Yes | Semi-Annual | 2 |
| Nickel | 20.00 mg/l | ----- | composite | Yes | Semi-Annual | 2 |
| Phenols | 5.00 mg/l | ----- | grab | Yes | Semi-Annual | 2 |
| Silver | 5.00 mg/l | ----- | composite | Yes | Semi-Annual | 2 |
| Toluene | 1.00 mg/l | ----- | grab | Yes | Semi-Annual | 2 |
| Xylene | 1.00 mg/l | ----- | grab | Yes | Semi-Annual | 2 |
| Zinc | 10.10 mg/l | ----- | composite | Yes | Semi-Annual | 2 |
| PCB's | 0.01 mg/l | ----- | composite | Yes | Semi-Annual | 2 |
| Total Toxic Organics | 5.00 mg/l | ----- | grab | Yes | Semi-Annual | 1 |
| Molybdenum | ----- | ----- | grab | Yes | Semi-Annual | 2 |
| Temperature | 150 °F | ----- | grab | Yes | Semi-Annual | 2 |
| Flash Point | >150 °F | ----- | grab | Yes | Semi-Annual | 2 |
| pH | 6-11 s.u. | ----- | grab | Yes | Semi-Annual | 2 |
| Oil & Grease (A/V only) | 150 mg/l | ----- | grab | Yes | Semi-Annual | 2 |
| Oil & Grease (Total) | * | ----- | grab | Yes | Semi-Annual | 2 |
| BOD | * | ----- | composite | Yes | Semi-Annual | 2 |
| Suspended Solids | * | ----- | composite | Yes | Semi-Annual | 2 |
| Flow | * | ----- | continuous | Yes | monthly | N/A |

* monitoring only

b. Groundwater Treatment Facility (GTF)

| <u>Parameter</u> | <u>Maximum any one day</u> | <u>Sample Type</u> | <u>Self- Monitoring</u> | <u>Sampling Cycle</u> | <u>Sampling Days Each Cycle</u> |
|------------------|--------------------------------|------------------------|-----------------------------|---------------------------|-------------------------------------|
| TTO* | 3.00 mg/l | grab | yes | monthly | 1 |
| Xylene | 1.00 mg/l | grab | yes | monthly | 1 |
| PCB's | 0.01 mg/l | grab | yes | monthly | 1 |
| Flash Point | >150°F | grab | yes | monthly | 1 |
| Flow | monitoring | continuous | yes | continuous | 1 |

*TTO as defined in Part E, Section 2d of this permit.

c. Sampling Procedures

- 1) Permittee shall collect distinct samples for each sampling day for each sampling cycle.
- 2) Composite Samples shall be comprised of flow-proportioned samples collected every sixty (60) minutes throughout the sampling day.
- 3) Grab Samples shall be collected during the same sampling day as the Composite Samples.
- 4) Permittee shall notify the Department of the sampling dates at least two weekdays prior to sampling.
- 5) All sampling and analysis shall be in accordance with 40 CFR Part 136.
- 6) Dates and results of sampling and analysis required by Part C, Section 1 of this permit.

2. PERIODIC SELF-MONITORING REPORTS

a. Permittee shall submit a semiannual report postmarked by **January 1** and **July 1** of each year, which contains the following information for the reporting period prior to the report. The reporting periods shall be **November through April** and **May through October** of each year:

- 1) General Information
 - a) Company Name
 - b) Company Address
 - c) Company Mailing Address (if different)
 - d) Contact Person (Name, Title, Phone number)
- 2) Process Information
 - a) Brief description of the facility's operation and treatment system

- b) Facility schematic and floor plan showing water lines, sewer lines, all connections to City water and sewer lines and the sampling point(s)
- c) A water balance accounting for all significant flows
- d) Scheduled shutdowns, (i.e.: Holidays, model changes, etc.)

3) Flow Data

- a) All flow data shall be reported in gallons/day.
- b) Average flow data for each month shall be reported for the Total Discharge.
- c) Total flow data for each month shall be reported for the Groundwater Treatment Facility (GTF). Total flow data may be reported more frequently, if desired.

b. Certification

- 1) All reports shall contain the certification statement listed in Part B, Section 11b of this permit.

Part D SPECIFIC COMPLIANCE SCHEDULE

1. COMPLIANCE SCHEDULE

None at this time.

2. GENERAL REPORTING REQUIREMENTS FOR COMPLIANCE SCHEDULES

- a. Permittee shall submit a progress report to the Director no later than 14 days following:
 - 1) each date in the compliance schedule.
 - 2) the final date of compliance.
- b. The progress reports shall state:
 - 1) whether or not Permittee complied with the increment of progress.
 - 2) the reason for any delay.
 - 3) if appropriate, the steps being taken by Permittee to return to the established schedule.
- c. Certification

All reports shall contain the certification statement listed in Part B, Section 11b of this permit.

Part E SPECIAL CONDITIONS

1. The provisions herein are exceptions to the general provisions in other parts of this permit and, as such, take precedence over those general conditions EXCEPT no special condition shall allow a violation of Categorical Standards or any provision of the Code of Ordinances unless the Director is specifically delegated authority to allow a variance.

2. Special Conditions

a. For the purpose of this Permit, Part A, Section 14 of this permit shall be modified to read:

The Permittee shall allow the Director and/or his authorized representatives, upon the presentation of active DOE security clearance and during normal working hours or at any other reasonable times, to have access to any records required in the permit, to sample any discharge to the sewer system, to collect split samples and to observe the sampling procedures. DOE shall keep security clearance current for as many representatives as the Director deems necessary.

b. For the purpose of this permit, Part A, Section 15 shall be modified to read:

DOE shall be considered the controller and/or owner of the permitted location and shall remain so for as long as ownership remains with DOE and DOE personnel is designated as the Authorized Representative. Only when the property is sold or responsibility is relinquished from DOE shall this permit be null and void under the conditions specified in A-15 of this permit.

c. For the purpose of this permit, Part A, Section 23 shall not be applied to the Department of Energy or its cost-type government contactors (currently Honeywell FM&T).

d. Part C, Section 1.c.5. requires that all sampling and analysis be in accordance with 40 CFR Part 136. The Groundwater Treatment Facility samples may be analyzed in accordance with method SW846.

e. To fulfill the TTO monitoring requirements for the Groundwater Treatment Facility the following parameters shall be analyzed:

| | | |
|------------------------|---------------------------|---------------------------|
| Chloromethane | Carbon Tetrachloride | Tetrachloroethene |
| Vinyl Chloride | Benzene | Dibromochloromethane |
| Bromomethane | 1,2-Dichloroethane | Chlorobenzene |
| Chloromethane | cis-1,3-Dichloropropene | Ethyl Benzene |
| Trichlorofluoromethane | Trichloroethene | Bromoform |
| 1,1-Dichloroethene | 1,2-Dichloropropane | 1,1,2,2-Tetrachloroethane |
| Methylene Chloride | Bromodichloromethane | 1,3-Dichlorobenzene |
| 1,1-Dichloroethane | Toluene | 1,4-Dichlorobenzene |
| Chloroform | 1,1,2-Trichloroethane | Freon 113 |
| 1,1,1-Trichloroethane | trans-1,3-Dichloropropene | 1,2-Dichloroethene |

