

APPENDIX F
THERESA STREET AND NORTHEAST WWTF'S DISCHARGE PERMITS

COMMENTS

Empty lines for comments.

1903

X COGNIZANT OFFICIAL SIGNATURE

Don Wesely

DATE 8-7-02

PRINTED NAME OF COGNIZANT OFFICIAL

DON WESELY

SIGNATORY AUTHORIZATION FORM REQUIREMENTS

Cognizant Official. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

001.01 in the case of a corporation, by a principal executive officer of at least the level of vice-president;

001.02 in the case of a partnership, by a general partner;

001.03 in the case of a sole proprietorship, by the proprietor; and

001.04 in the case of a municipal, state or other public facility, by either a principal executive officer or ranking elected official.

Authorized Representative. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

002 All other correspondence, reports and DMRs shall be signed by a person designated in 001.01 through 001.04 above or a duly authorized representative if such a representative is responsible for all the overall operation of the facility from which the discharge originates; the authorization is made, in writing, by the person designated under 001.01 through 001.04 above; and the written authorization is submitted to the Director. Any change in the signatures shall be submitted to the Director. Any change in the signatures shall be submitted to the Department, in writing, within 30 days after the change.

Operator. Nebraska Department of Environmental Quality, Title 123, Chapter 15

001 A competent operator familiar with the principles of wastewater treatment and disposal and skilled in the operation of the plant equipment, shall be in charge of each wastewater works. The operator shall make such operations tests as may be specified by the Department.

The operator may be required to be certified according the NDEQ Title 197.

Nebraska Department of Environmental Quality
ATTN: Sharon Brunke, NPDES Permits Unit
Suite 400, 1200 N Street, The Atrium
PO Box 98922
Lincoln, Nebraska 68509-8922
Telephone (402) 471-4220
Fax (402) 471-2909

COMMENTS

COGNIZANT OFFICIAL SIGNATURE _____ DATE _____

PRINTED NAME OF COGNIZANT OFFICIAL _____

SIGNATORY AUTHORIZATION FORM REQUIREMENTS

Cognizant Official. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

- 001.01 in the case of a corporation, by a principal executive officer of at least the level of vice-president;
- 001.02 in the case of a partnership, by a general partner;
- 001.03 in the case of a sole proprietorship, by the proprietor; and
- 001.04 in the case of a municipal, state or other public facility, by either a principal executive officer or ranking elected official.

Authorized Representative. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

002 All other correspondence, reports and DMRs shall be signed by a person designated in 001.01 through 001.04 above or a duly authorized representative if such a representative is responsible for all the overall operation of the facility from which the discharge originates; the authorization is made, in writing, by the person designated under 001.01 through 001.04 above; and the written authorization is submitted to the Director. Any change in the signatures shall be submitted to the Director. Any change in the signatures shall be submitted to the Department, in writing, within 30 days after the change.

Operator. Nebraska Department of Environmental Quality, Title 123, Chapter 15

001 A competent operator familiar with the principles of wastewater treatment and disposal and skilled in the operation of the plant equipment, shall be in charge of each wastewater works. The operator shall make such operations tests as may be specified by the Department.

The operator may be required to be certified according the NDEQ Title 197.

Nebraska Department of Environmental Quality
ATTN: Sharon Brunke, NPDES Permits Unit
Suite 400, 1200 N Street, The Atrium
PO Box 98922
Lincoln, Nebraska 68509-8922
Telephone (402) 471-4220
Fax (402) 471-2909

COMMENTS

COGNIZANT OFFICIAL SIGNATURE

Don Wesley

DATE 8-7-02

PRINTED NAME OF COGNIZANT OFFICIAL

Don Wesley

SIGNATORY AUTHORIZATION FORM REQUIREMENTS

Cognizant Official. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

001.01 in the case of a corporation, by a principal executive officer of at least the level of vice-president;

001.02 in the case of a partnership, by a general partner;

001.03 in the case of a sole proprietorship, by the proprietor; and

001.04 in the case of a municipal, state or other public facility, by either a principal executive officer or ranking elected official.

Authorized Representative. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

002 All other correspondence, reports and DMRs shall be signed by a person designated in 001.01 through 001.04 above or a duly authorized representative if such a representative is responsible for all the overall operation of the facility from which the discharge originates; the authorization is made, in writing, by the person designated under 001.01 through 001.04 above; and the written authorization is submitted to the Director. Any change in the signatures shall be submitted to the Director. Any change in the signatures shall be submitted to the Department, in writing, within 30 days after the change.

Operator. Nebraska Department of Environmental Quality, Title 123, Chapter 15

001 A competent operator familiar with the principles of wastewater treatment and disposal and skilled in the operation of the plant equipment, shall be in charge of each wastewater works. The operator shall make such operations tests as may be specified by the Department.

The operator may be required to be certified according the NDEQ Title 197.

Nebraska Department of Environmental Quality

ATTN: Sharon Brunke, NPDES Permits Unit

Suite 400, 1200 N Street, The Atrium

PO Box 98922

Lincoln, Nebraska 68509-8922

Telephone (402) 471-4220

Fax (402) 471-2909

COMMENTS

COGNIZANT OFFICIAL SIGNATURE _____

DATE _____

PRINTED NAME OF COGNIZANT OFFICIAL _____

SIGNATORY AUTHORIZATION FORM REQUIREMENTS

Cognizant Official. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

001.01 in the case of a corporation, by a principal executive officer of at least the level of vice-president;

001.02 in the case of a partnership, by a general partner;

001.03 in the case of a sole proprietorship, by the proprietor; and

001.04 in the case of a municipal, state or other public facility, by either a principal executive officer or ranking elected official.

Authorized Representative. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

002 All other correspondence, reports and DMRs shall be signed by a person designated in 001.01 through 001.04 above or a duly authorized representative if such a representative is responsible for all the overall operation of the facility from which the discharge originates; the authorization is made, in writing, by the person designated under 001.01 through 001.04 above; and the written authorization is submitted to the Director. Any change in the signatures shall be submitted to the Director. Any change in the signatures shall be submitted to the Department, in writing, within 30 days after the change.

Operator. Nebraska Department of Environmental Quality, Title 123, Chapter 15

001 A competent operator familiar with the principles of wastewater treatment and disposal and skilled in the operation of the plant equipment, shall be in charge of each wastewater works. The operator shall make such operations tests as may be specified by the Department.

The operator may be required to be certified according the NDEQ Title 197.

**Nebraska Department of Environmental Quality
ATTN: Sharon Brunke, NPDES Permits Unit
Suite 400, 1200 N Street, The Atrium
PO Box 98922
Lincoln, Nebraska 68509-8922
Telephone (402) 471-4220
Fax (402) 471-2909**

COMMENTS

COGNIZANT OFFICIAL SIGNATURE

Don Wealy

DATE

9-13-2002

PRINTED NAME OF COGNIZANT OFFICIAL Mayor Don Wesely

SIGNATORY AUTHORIZATION FORM REQUIREMENTS

Cognizant Official. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

001.01 in the case of a corporation, by a principal executive officer of at least the level of vice-president;

001.02 in the case of a partnership, by a general partner;

001.03 in the case of a sole proprietorship, by the proprietor; and

001.04 in the case of a municipal, state or other public facility, by either a principal executive officer or ranking elected official.

Authorized Representative. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

002 All other correspondence, reports and DMRs shall be signed by a person designated in 001.01 through 001.04 above or a duly authorized representative if such a representative is responsible for all the overall operation of the facility from which the discharge originates; the authorization is made, in writing, by the person designated under 001.01 through 001.04 above; and the written authorization is submitted to the Director. Any change in the signatures shall be submitted to the Director. Any change in the signatures shall be submitted to the Department, in writing, within 30 days after the change.

Operator. Nebraska Department of Environmental Quality, Title 123, Chapter 15

001 A competent operator familiar with the principles of wastewater treatment and disposal and skilled in the operation of the plant equipment, shall be in charge of each wastewater works. The operator shall make such operations tests as may be specified by the Department.

The operator may be required to be certified according the NDEQ Title 197.

Nebraska Department of Environmental Quality

ATTN: Sharon Brunke, NPDES Permits Unit

Suite 400, 1200 N Street, The Atrium

PO Box 98922

Lincoln, Nebraska 68509-8922

Telephone (402) 471-4220

Fax (402) 471-2909

COMMENTS

COGNIZANT OFFICIAL SIGNATURE _____ DATE _____

PRINTED NAME OF COGNIZANT OFFICIAL _____

SIGNATORY AUTHORIZATION FORM REQUIREMENTS

Cognizant Official. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

- 001.01 in the case of a corporation, by a principal executive officer of at least the level of vice-president;
- 001.02 in the case of a partnership, by a general partner;
- 001.03 in the case of a sole proprietorship, by the proprietor; and
- 001.04 in the case of a municipal, state or other public facility, by either a principal executive officer or ranking elected official.

Authorized Representative. Nebraska Department of Environmental Quality, Title 119, Chapter 10 and Title 127, Chapter 29

002 All other correspondence, reports and DMRs shall be signed by a person designated in 001.01 through 001.04 above or a duly authorized representative if such a representative is responsible for all the overall operation of the facility from which the discharge originates; the authorization is made, in writing, by the person designated under 001.01 through 001.04 above; and the written authorization is submitted to the Director. Any change in the signatures shall be submitted to the Director. Any change in the signatures shall be submitted to the Department, in writing, within 30 days after the change.

Operator. Nebraska Department of Environmental Quality, Title 123, Chapter 15

001 A competent operator familiar with the principles of wastewater treatment and disposal and skilled in the operation of the plant equipment, shall be in charge of each wastewater works. The operator shall make such operations tests as may be specified by the Department.

The operator may be required to be certified according the NDEQ Title 197.

Nebraska Department of Environmental Quality
ATTN: Sharon Brunke, NPDES Permits Unit
Suite 400, 1200 N Street, The Atrium
PO Box 98922
Lincoln, Nebraska 68509-8922
Telephone (402) 471-4220
Fax (402) 471-2909

STATE OF NEBRASKA

Thru



Mike Johanns
Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

Michael J. Linder

Director

Suite 400, The Atrium

1200 'N' Street

P.O. Box 98922

Lincoln, Nebraska 68509-8922

Phone (402) 471-2186

FAX (402) 471-2909

November 20, 2003

RETURN RECEIPT REQUESTED

Alan Abbott, P.E.
Director of Public Works and Utilities
City of Lincoln Nebraska
555 South 10th Street
Lincoln, Nebraska 68509

RE: Response to Comments by the City of Lincoln on the public noticed National Pollutant Discharge Elimination System (NPDES) Permits for Lincoln's Treatment Plants:

Theresa St. WWTF NE0036820 (IIS 32246)

Northeast WWTF NE0112488 (IIS31988)

Dear Mr. Abbott;

The Nebraska Department of Environmental Quality (NDEQ) is in receipt of your letter dated August 8, 2003 concerning the City's comments on the NPDES Permits for the Lincoln Theresa St. WWTF and the Lincoln Northeast WWTF that were public noticed on July 11, 2003. The Department's responses to these comments are presented below.

1.1 CBOD Footnote

The City requests that footnote (a) in Table 1 of both permits referring to reseeding a CBOD sample after disinfection be removed.

The Department placed this footnote into permits as a reminder to the permittee to reseed samples before CBOD testing. All tests under the NPDES Program must conform to the requirements under 40 CFR Part 136, which includes the conditions for CBOD testing using the procedures in Standard Methods. The footnote will be removed from Table 1 since reseeding requirements for CBOD are included in the approved methods.

2.0 Remove interim limits for ammonia and provide semiannual reports

The City requests that interim "Report Only" requirements for ammonia be removed from Tables 2, 3, and 4 of both permits and that the ammonia results be reported on semiannual progress reports.

There is a compliance schedule in the permit for meeting final ammonia permit limits. Interim limits for any pollutant of concern, such as ammonia, are included in all NDEQ NPDES permits

that have a compliance schedule for that pollutant. The reporting requirements will allow the Department to monitor the progress that the permittee is achieving in meeting the final limits. "Report Only" requirements in the permit do not have a limit value and are used by the Department to demonstrate improvements. The statement below will be added to the Fact Sheet:

The interim-reporting requirements indicated in these tables are used by the Department to gather data since no previous limits existed and during the compliance schedule when the facility is undergoing construction and may not meet final limits until the construction activities are completed. Since no numeric limits are established in this permit for ammonia and whole effluent toxicity during the interim period, no enforcement of numeric limits will occur for these parameters.

The Department does not use a separate reporting method outside of the usual DMR system. The DMR system provides an accessible and official record. Therefore, no changes in the interim limits or reporting will be made to Tables 2, 3, and 4.

2.2 Flow variable footnotes in Tables 2, 3, and 4

The City requests that the footnotes in Tables 2, 3, and 4 of both permits be modified to reflect NDEQ's intention of considering flow variable effluent limits for ammonia in upcoming permits.

The Department has agreed to consider the implementation of flow variable permit limits for ammonia in the next permit term. The conditions and basis for flow variable limits are discussed in the fact sheet in both Section G and in Appendix 5. Specifics on the details of incorporation of flow variable limits remain to be determined. These specifics include questions on compliance, the format of permit limits, the accuracy of flow measuring devices, and the operation of the treatment facility in a flow variable mode.

The following will be included in the Fact Sheet to note the City's intent on development of flow variable permits within the permit life:

"The City of Lincoln has agreed to provide information and data to NDEQ so that flow variable limits for ammonia can be developed for future use in the permits for this facility."

2.3 Reduction in WET testing monitoring frequency.

The City requests that the monitoring frequency for WET testing as noted in Tables 2, 3, and 4 be reduced to once per year from the proposed three times per year for each treatment facility.

The Department's goals are to include consistent and fair monitoring frequencies in NPDES Permits based on the volume of effluent discharge and compliance history. Recently issued major municipal NPDES Permits in the State contain similar monitoring frequencies for the WET test. The Department acknowledges that WET testing can be costly however; the data generated may be very valuable in evaluating the ability of the treatment plant to remove toxics and in assessing metals toxicity in future permits. Therefore, no changes will be made to monitoring frequencies for WET testing in the permits.

The City may request a reduction in the frequency of the WET test, if all WET test limits are consistently met.

3.1 Peak Flow Discharge Authority

The City requests that the peak flow disinfection language in Section (F) be revised and the language be broadened to authorize peak flow discharges at both plants under certain conditions.

There are two parts to this section, which include both a reference to the disinfection language in Part F and a reference to peak flow discharges in general. The disinfection language will be revised as shown below. The question on peak flow discharges will be included in the response to the request in Sections 3.3, 4.2, and 4.3 below.

The second paragraph in Section F will be changed to:

A UV disinfection system will be installed by January 1, 2004 at Lincoln Theresa St. WWTF, which will disinfect all normal flows, and a significant portion of the peak flows discharged from the plant. When high flows require a partial diversion of the waste stream around the UV disinfection system, the permittee shall provide alternative disinfection for that portion of the total flow that is not passing through the UV disinfection system. Disinfection of that portion of the waste stream diverted will be accomplished by using a liquid sodium hypochlorite system. The chlorinated waste stream generated from this system will be combined with the UV disinfected waste stream prior to discharge. The Total Residual Chlorine (TRC) concentration of the final effluent from the combined total discharge shall not exceed the Maximum Discharge Limit (MDL) described in Equation (1) below

3.2 TRC Monitoring

The City requests clarification that the provisions of Table 6, to reflect that TRC monitoring will occur at the edge of the mixing zone for both plants.

The equation for maximum limit (1) and Table 6 give limits for TRC at the end of pipe during wet weather events and not at the edge of the mixing zone. The results to be reported will be the end of pipe measurement. The City may also measure the TRC at the edge of the mixing zone if desired to supplement the official end of pipe results. Coordination with the Department on the length of the mixing zone and percent mixing, sample locations is necessary for instream testing to have any validity.

3.3 Requested Fact Sheet Entry

The City request changes to the fact sheets to discuss extraneous influent flow exceeding secondary capacities.

The City will be starting construction of improvements at the WWTFs that will result in both facilities being able to meet the final ammonia limits in the permits. The Department is aware that during the construction phase there will be reduced capacity to provide secondary treatment and that different operational modes will be utilized to provide the most effective treatment and remain within NPDES limits. If the City is unable to meet the NPDES limits during this time the bypass prohibition requirements in both the federal regulations in 40 CFR 122.41 and in the permit under Appendix A, Part E (3) will apply which requires notice of an anticipated bypass in advance and notice of an unanticipated bypass. Part I, Section H, which includes the facility compliance schedule of both permits will include the following statement acknowledging the construction schedule:

The Department acknowledges that during the construction phase portions of the Treatment Facility will be unavailable, but treatment of wastewater will continue to the maximum extent possible.

The construction schedule developed by the City should indicate all anticipated bypasses and their duration. Unanticipated bypasses must include documentation that the bypass was unavoidable and that there was no feasible alternative. Any information that the City wants the Department to consider in determining compliance activities such as documentation of one of the six defenses for bypass must be submitted when reporting the event. Please remember that the Department needs to be notified within 24 hours of an unanticipated bypass event. Coordination and communication between the City and the NDEQ during the construction phase will be essential in properly evaluating any treatment difficulties that occur because of construction activities.

4.1 Compliance Schedule for Flow Variable Permit

The City request changes to the compliance schedule to include a reference to development of flow variable limits.

A revision referencing flow variable limits has been incorporated into the Fact Sheet. See response in Section 2.2

4.2 Compliance Schedule for BOD and TSS

The City requests that the compliance schedule be modified to reference CBOD and TSS.

Section 301 of the Clean Water Act established secondary treatment levels that all POTWs were required to meet by July 1, 1977 and therefore no compliance schedules can be included for these parameters in NPDES Permits. The City typically has little difficulty in meeting the proposed limits. Problems meeting secondary standards encountered during the construction phase will be evaluated by the Department based on the discussion in 3.3 above.

4.3 WWTF Operation During Construction

The City requests the following reference (NDEQ Title 119, Chapter 15) to authorize modified discharges during the construction period.

Title 119, Chapter 5 states;

Any facility expansion, production increases, or process modifications which result in new or substantially increased discharges of pollutants or a change in the nature of the discharge of pollutants must be reported by the permittee 180 days prior to the expansion, increase, or modifications, either by amending his original application or by submitting a new application.

The requirements in NDEQ Title 119; Chapter 5 are not meant to apply to construction activities where flows may change for a short time. The intent of this regulation is to report a permanent production or flow increase that would result in a modified permit.

4.4 Omit Interim Discharge Limits for Ammonia and 'Report Only' requirements

The City requests that the permits be modified to remove interim limits for ammonia in the "report only" requirements in Tables 2, 3, and 4 of both permits and to provide for monthly average reporting outside the DMRs.

A note in the Fact Sheet will define the use of "Report Only" Parameters:

The interim-reporting requirements indicated in these tables are used by the Department to gather data since no previous limits existed and during the compliance schedule when the facility is undergoing construction and may not meet final limits until the construction activities are completed. Since no

numeric limits are established in this permit for ammonia and whole effluent toxicity during the interim period, no enforcement of numeric limits will occur for these parameters.

In addition, a memorandum attached indicates that this applies state-wide for similar circumstances.

This request is also discussed in the response to 2.0 above.

5.0 State Fair Board Fairgrounds Discharge.

The City request that the Theresa Street permit reflect that the fairgrounds owner is responsible for the fairgrounds discharge and NPDES permit and that the City may terminate the connection between the fairgrounds system and the City's system in order to protect the Lincoln facilities or compliance with the Lincoln Theresa Street permit.

The Department plans to meet with officials from the State Fair Board in the near future to develop a plan of action, which may include a CSO Permit, or complete separation of the sewer system. The outfall from the State Fair facilities is the responsibility of the State Fair Board. As such, any reference or permit concerning this outfall must acknowledge the State Fair Board as the permittee and the entity responsible for compliance. Therefore no reference is added in Lincoln's permit to this outfall.

The termination of the connection between the fairgrounds and the City system should not be addressed in Lincoln's NPDES Permit, but may be an item of discussion between the City, NDEQ, and the State Fair Board in a future meeting.

6.0 Operation and Maintenance of the Collection System.

Lincoln seeks recognition of Operation and Maintenance activities and requests a statement be added to Appendix A Part E (1)

The Department does not make permit specific changes to Appendix A (Standard Conditions). A new section however will be added to the fact sheet (see below) under Section D Description of Discharges and Potential Pollutants to read as follows:

(3). Capacity, Management, Operation, and Maintenance

The City of Lincoln is implementing a significant program to improve capacity, operation, and maintenance of the collection system through the construction of relief sewers, effective cleaning frequencies, the identification of surcharge locations for further action, the purchase and use of additional internal television inspection equipment to increase the number of miles of lines inspected each year, and flow monitoring at key points within the collection system. Additionally, the ability to shift flows between the Northeast and the Theresa St. treatment facility provides important flexibility for managing capacity and providing operation and maintenance for the system.

7.0 Walleye Reference

The City requests that any reference to Walleye being a key species in Salt Creek be stricken from the permit.

Walleye is listed as key species for segment LP2-20000 of the Lower Platte Basin in NDEQ Title 117 Nebraska Surface Water Quality Standards. Any change to the key species for this segment would require a revision to Title 117. Therefore, the reference to Walleye in the fact sheet must remain.

The Department plans to incorporate the changes discussed above into the final permits and fact sheets to be issued on December 1, 2003. We appreciate the cooperation and input from City Personnel during the development of these permits.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Jay D. Ringenberg", written over a horizontal line.

Jay D. Ringenberg
Deputy Director

STATE OF NEBRASKA



Mike Johanns
Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

Michael J. Linder

Director

Suite 400, The Atrium

1200 'N' Street

P.O. Box 98922

Lincoln, Nebraska 68509-8922

Phone (402) 471-2186

FAX (402) 471-2909

December 5, 2003

RETURN RECEIPT REQUESTED

The Honorable Coleen Seng
Mayor of the City of Lincoln
555 South 10th Street
Lincoln, NE 68508

Re: NPDES Number NE0036820 (PCS 32246-P)

Dear Mayor Seng:

Enclosed is the National Pollutant Discharge Elimination System (NPDES) Permit for the City of Lincoln Theresa Street WWTF. Monitoring reports prescribed in Appendix A are required to be submitted to NDEQ.

Questions regarding this permit or monitoring reports should be directed to John Schauer of the NPDES Permits Unit of NDEQ at 402-471-4205. Your cooperation in helping to improve and maintain the quality of Nebraska's waters is appreciated.

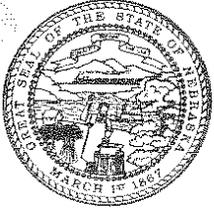
Sincerely,

A handwritten signature in cursive script that reads "Sharon Brunke".

Sharon Brunke
Permit Program Coordinator
Water Quality Division

c: Alan Abbott, City of Lincoln
Steve Masters, City of Lincoln
Gary Brandt, City of Lincoln
Enclosure(s)

STATE OF NEBRASKA



Mike Johanns
Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

Michael J. Linder

Director

Suite 400, The Atrium

1200 'N' Street

P.O. Box 98922

Lincoln, Nebraska 68509-8922

Phone (402) 471-2186

FAX (402) 471-2909

web site : www.deq.state.ne.us

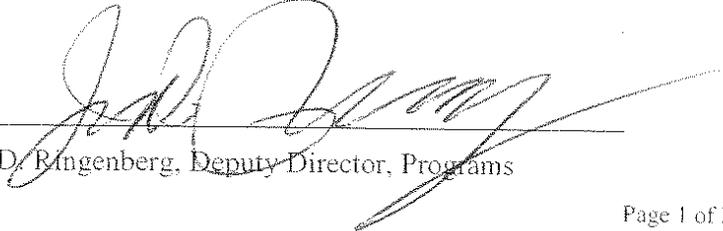
Authorization to Discharge Under the National Pollutant Discharge Elimination System (NPDES)

This NPDES permit is issued in compliance with the provisions of the Federal Water Pollution Control Act (Secs. 1251 *et. seq.* as amended to date), the Nebraska Environmental Protection Act (Neb. Rev. Stat. Secs. 8 *et. seq.* as amended to date), and the Rules and Regulations promulgated pursuant to these Acts. The facility as identified in this permit are authorized to discharge wastewater and are subject to the limitations, requirements, prohibitions and conditions set forth herein. This permit regulates and controls the release of pollutants in the discharge authorized herein. This permit does not relieve permittees of other duties and responsibilities under the Nebraska Environmental Protection Act, as amended, or established by regulations promulgated pursuant thereto.

NPDES Permit No.: **NE0036820**
IIS File No.: **PCS 32246-P**
Permittee: **City of Lincoln, Nebraska**
Facility: **Lincoln Theresa Street Wastewater Treatment Plant**
Facility Location: **NE ¼, Section 13, Township 10 North, Range 6 East, Lancaster Co., Nebraska**
Receiving Waters: **Salt Creek**
Effective Date: **January 1, 2004**
Expiration Date: **December 31, 2008**

Pursuant to the Delegation Memorandum dated July 26, 1999 and signed by the Director, the undersigned hereby signs this document on the behalf of the Director.

Signed this 4th day of December, 2003


Jay D. Ringenberg, Deputy Director, Programs

Page 1 of 29

Table of Contents

Contents of the Permit

Part I. Final Effluent Limitations and Monitoring for Outfall 001.....	3-8
A. Requirements for pH, CBOD, TSS, and Flow for Outfall 001.....	3
B. Spring Requirements for Ammonia, Toxicity and Chlorine for Outfall 001.....	4
C. Summer Requirements for Ammonia Toxicity and Chlorine for Outfall 001.....	5
D. Winter Requirements for Ammonia Toxicity and Chlorine for Outfall 001.....	6
E. Requirements for Fecal Coliform for Outfall 001.....	7
F. Peak Flow Disinfection by Chlorination for Outfall 001.....	8
G. Metals Monitoring Requirements for Outfall 001.....	9
H. Compliance Schedule for Meeting Ammonia and WET Requirements for Outfall 001.....	10
I. Monitoring Requirements for Outfall 002.....	11
J. Monitoring Requirements for Outfall 003.....	12
Part II. Influent Monitoring Requirements.....	13
Part III. Sludge Disposal and Use Requirements.....	14-15
Part IV. Other Requirements and Conditions.....	16-17
Appendix A Standard Conditions for NPDES and NPP Permits.....	18-29
A. General Conditions.....	18
B. Management Requirements.....	20
C. Monitoring Records.....	21
D. Reporting Requirements.....	23
E. Operation and Maintenance.....	26
F. Definitions.....	27
G. Abbreviations.....	29
Attachment 1 Whole Effluent Toxicity Noncompliance Procedures.	
Attachment 2 Sludge Application Site Approval Form	

Part I. Final Effluent Limitations and Monitoring Requirements

A. Requirements for pH, CBOD, TSS, and Flow for Outfall 001

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified below. Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ.

Table I: Annual Requirements for Outfall 001 that apply for pH, CBOD, TSS, and Flow					
Parameter	Units	LIMIT		Monitoring Frequency	Sample Type
		Minimum	Maximum		
pH (00400)	S.U.	6.5	9.0	Daily	Grab
Parameter	Units	LIMIT		Monitoring Frequency	Sample Type
		Monthly Average	Daily Average		
Effluent Flow (50050)	MGD	Report	Report	Daily	Metered
Parameters	Units	LIMITS		Monitoring Frequency	Sample Type
		Monthly Average	7 Day Average		
Carbonaceous Biochemical Oxygen Demand(5-Day) (80082)	mg/L kg/day	<u>25.0</u> 2198.2	<u>40.0</u> 3517.1	Daily	24 Hour Composite
Total Suspended Solids(00530)	mg/L kg/day	<u>30.0</u> 2637.8	<u>45.0</u> 3956.7	Daily	24 Hour Composite
Abbreviations kg/d -kilograms per day mg/L- milligrams per liter MGD-million gallons per day					

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

B. Spring Seasonal Requirements for Ammonia, Toxicity and Chlorine for Outfall 001

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified below. Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ.

Table 2: Seasonal Requirements for Outfall 001 for Ammonia, Acute Toxicity, and Total Residual Chlorine that Apply from March 1 through May 31.

Parameters ^(a)	Units	LIMITS		Monitoring Frequency	Sample Type
		Monthly Average	Maximum		
Interim Ammonia as Nitrogen (00610)	mg/L	Report	Report	Daily	24 Hour Composite
	kg/day	Report	Report		
Final Ammonia as Nitrogen (00610)	mg/L	8.1	21.3	Daily	24 Hour Composite
	kg/day	567.5	1492.4		
Interim Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _a	***	Report	Once per Season ^(c)	24 Hour Composite
Final Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _a	***	1.0	Once per Season ^(c)	24 Hour Composite
Total Residual Chlorine ^(d) (50060)	mg/L	0.008	0.020	Daily	Grab
	kg/day	0.56	1.4		

Abbreviations kg/day-kilograms per day mg/L- milligrams per liter MGD-million gallons per day

Footnotes

(a) See Part H for the compliance schedule to achieve final limitations.

(b) Toxicity shall be measured using the Whole Effluent Toxicity (WET) test procedures set forth in 40 CFR, Part 136 (July 1996 ed.). Also Guidance for Conducting Toxicity Testing and TIE/TRE Studies, which is an attachment to this permit.

(c) The effluent discharge shall be tested three times annually for acute toxicity with one test conducted in the spring season (Mar-May), one test conducted in the summer season (June-Oct), and one test conducted in the winter season (Nov-Feb).

(d) Monitoring for TRC is only required when chlorine is added to the treatment process. A UV disinfection system is scheduled to be installed at the Theresa Street WWTF in 2004. Upon installation, chlorine will no longer be used as a disinfectant except during peak flow events when the inflow to the treatment plant is greater than approximately 36 MGD. At that time, the TRC discharge will be limited by the peak flow disinfection by chlorination requirements of Section F.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)**C. Summer Seasonal Requirements for Ammonia, Toxicity and Chlorine for Outfall 001**

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified below. Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ.

Table 3: Seasonal Requirements for Outfall 001 for Ammonia, Acute Toxicity, and Total Residual Chlorine that Apply from June 1 through October 31.

Parameters ^(a)	Units	LIMITS		Monitoring Frequency	Sample Type
		Monthly Average	Maximum		
Interim Ammonia as Nitrogen (00610)	mg/L	Report	Report	Daily	24 Hour Composite
	kg/day	Report	Report		
Final Ammonia as Nitrogen (00610)	mg/L	2.9	7.7	Daily	24 Hour Composite
	kg/day	198.2	526.3		
Interim Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _a	***	Report	Once per Season ^(c)	24 Hour Composite
Final Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _a	***	1.0	Once per Season ^(c)	24 Hour Composite
Total Residual Chlorine ^(d) (50060)	mg/L	0.007	0.020	Daily	Grab
	kg/day	0.48	1.36		

Abbreviations kg/day-kilograms per day mg/L- milligrams per liter MGD-million gallons per day

Footnotes

(a) See Part H for the compliance schedule to achieve final limitations.

(b) Toxicity shall be measured using the Whole Effluent Toxicity (WET) test procedures set forth in 40 CFR, Part 136 (July 1996 ed.). Also Guidance for Conducting Toxicity Testing and TIE/TRE Studies, which is an attachment to this permit.

(c) The effluent discharge shall be tested three times annually for acute toxicity with one test conducted in the spring season (Mar-May), one test conducted in the summer season (June-Oct), and one test conducted in the winter season (Nov-Feb).

(d) Monitoring for TRC is only required when chlorine is added to the treatment process. A UV disinfection system is scheduled to be installed at the Theresa Street WWTF in 2004. Upon installation, chlorine will no longer be used as a disinfectant except during peak flow events when the inflow to the treatment plant is greater than approximately 36 MGD. At that time, the TRC discharge will be limited by the peak flow disinfection by chlorination requirements of Section F.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)**D. Winter Seasonal Requirements for Ammonia, Toxicity and Chlorine for Outfall 001**

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified below. Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ.

Table 4: Seasonal Requirements for Outfall 001 for Ammonia, Acute Toxicity, and Total Residual Chlorine that Apply from November 1 through February 28(29).

Parameters ^(a)	Units	LIMITS		Monitoring Frequency	Sample Type
		Monthly Average	Maximum		
Interim Ammonia as Nitrogen (00610)	mg/L	Report	Report	Daily	24 Hour Composite
	kg/day	Report	Report		
Final Ammonia as Nitrogen (00610)	mg/L	8.1	21.3	Daily	24 Hour Composite
	kg/day	539.8	1414.		
Interim Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _a	***	Report	Once per Season ^(c)	24 Hour Composite
Final Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _a	***	1.0	Once per Season ^(c)	24 Hour Composite
Total Residual Chlorine ^(d) (50060)	mg/L	0.008	0.020	Daily	Grab
	kg/day	0.53	1.32		

Abbreviations kg/day-kilograms per day mg/L- milligrams per liter MGD-million gallons per day

Footnotes

(a) See Part H for the compliance schedule to achieve final limitations.

(b) Toxicity shall be measured using the Whole Effluent Toxicity (WET) test procedures set forth in 40 CFR, Part 136 (July 1996 ed.). Also Guidance for Conducting Toxicity Testing and TIE/TRE Studies, which is an attachment to this permit.

(c) The effluent discharge shall be tested three times annually for acute toxicity with one test conducted in the spring season (Mar-May), one test conducted in the summer season (June-Oct), and one test conducted in the winter season (Nov-Feb).

(d) Monitoring for TRC is only required when chlorine is added to the treatment process. A UV disinfection system is scheduled to be installed at the Theresa Street WWTF in 2004. Upon installation, chlorine will no longer be used as a disinfectant except during peak flow events when the inflow to the treatment plant is greater than approximately 36 MGD. At that time, the TRC discharge will be limited by the peak flow disinfection by chlorination requirements of Section F.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)**E. Requirements for Fecal Coliform for Outfall 001**

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified below. Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ

Table 5: Seasonal Monitoring Requirements for Outfall 001 for Fecal Coliform that Apply from May 1 through September 30.

Parameter ^(a)	Units	LIMITS		Monitoring Frequency	Sample Type
		Monthly Geometric Mean	Maximum		
Fecal Coliform Colonies ^(a) (74055)	#/100ml	200	(b)	Daily	Grab
Footnotes					
(a) Invalid test results for fecal coliform colonies, such as 'too numerous to count' (TNTC) will not be accepted.					
(b) Within a month, no more than 10% of the samples shall exceed 400 CFU/mL.					

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

F. Peak Flow Disinfection by Chlorination for Outfall 001

The requirements of this section will apply only after the UV disinfection system is installed and operating at the Theresa Street WWTF.

A UV disinfection system will be installed by January 1, 2004 at Lincoln Theresa St. WWTF, which will disinfect all normal flows, and a significant portion of the peak flows discharged from the plant. When high flows require a partial diversion of the waste stream around the UV disinfection system, the permittee shall provide alternative disinfection for that portion of the total flow that is not passing through the UV disinfection system. Disinfection of that portion of the waste stream diverted will be accomplished by using a liquid sodium hypochlorite system. The chlorinated waste stream generated from this system will be combined with the UV disinfected waste stream prior to discharge. The Total Residual Chlorine (TRC) concentration of the final effluent from the combined total discharge shall not exceed the Maximum Discharge Limit (MDL) described in Equation (1) below.

$$(1) \text{ MDL} = 0.019 + 0.019 \{Q_U (Mz) / Q_E\}$$

Where:

MDL = Maximum Limit for TRC in mg/L

Q_U = Flow of the receiving waters upstream of the discharge in MGD

Q_E = Flow of the combined effluent discharge in MGD.

Mz = Percent Mixing (10% shall be used unless site-specific data is provided)

0.019 = acute criterion for chlorine in mg/L

The background TRC is assumed to be zero.

The following data shall be collected during each high flow event in which a portion of the effluent is disinfected with chlorine. The results required below shall be reported to NDEQ on a quarterly basis as an attachment to the DMRs. Any noncompliance with the Maximum Discharge Limit for TRC shall be reported verbally to NDEQ within 24 hours and in writing within 5 days.

Table 6: Requirements for Outfall 001 when a Portion of the Effluent is Disinfected with Chlorine				
Parameters^(a)	Units	Maximum	Monitoring Frequency	Sample Type
Total Residual Chlorine ^(a) (50060)	mg/L	< MDL from Equation (1)	Daily ^(b)	Grab
Effluent Flow, Instantaneous ^(a) (50050)	MGD	Report	Daily ^(b)	Metered ^(c) (Continuous)
Stream Flow, Instantaneous ^(a) (00061)	MGD	Report	Daily ^(b)	Metered ^(c) (Continuous)

Footnotes

(a) The sample for TRC shall be collected at least one hour after chlorination is initiated. The effluent flow and stream flow shall be recorded at the time of sample collection.

(b) Samples for TRC shall be collected daily when chlorine is added to the wastestream and shall continue on a daily basis until chlorination ceases.

(c) The effluent and stream flows shall be continuously monitored and recorded during the peak flow disinfection by chlorination. Sampling and flow data shall be reported to NDEQ.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

G. Metals Monitoring Requirements for Outfall 001

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified below. Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ.

Table 7: Annual Requirements for Outfall 001 for Metals

Parameters ^(a)	Units	Limits ^(b)		Monitoring Frequency	Sample Type
		Monthly Average	Maximum		
Dissolved Cadmium (01025)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Chromium (01030)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Copper (01040)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Lead (01049)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Mercury (71890)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Nickel (01065)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Silver (01075)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Zinc (01090)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)

Footnotes:

(a) When dissolved metals are determined, the sample must be filtered at the time of collection through a 0.45 micron membrane filter. Prior to sample collection, an equipment field blank should be processed in the same manner to ensure freedom from contamination.

(b) The analytical procedure used for the determination of metals limits shall have a method detection limit of at least 0.010 mg/L.

(c) The effluent discharge shall be tested three times annually for metals with one test conducted in the spring season (Mar-May), one test conducted in the summer season (June-Oct), and one test conducted in the winter season (Nov-Feb).

(d) The sample collection for metals and whole effluent toxicity must occur on the same day.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

H. Compliance Schedule for Meeting Ammonia and WET Requirements for Outfall 001

Upon issuance of this permit, the permittee shall implement the compliance schedule set forth below for meeting final limits. This schedule may be modified in accordance with Title 119, Chapter 39, and written notice from the NDEQ. The reporting requirements for ammonia and WET listed in Tables 2, 3 and 4 shall apply until The Lincoln Theresa Street WWTF can be routinely operated to meet the final limits listed in these tables according to the compliance schedule set forth below. The City of Lincoln shall send a report to NDEQ every 6 months outlining progress that has occurred to achieve this compliance schedule.

The Department acknowledges that during the construction phase, portions of the Treatment Facility will be unavailable, but treatment of wastewater will continue to the maximum extent possible.

1. First Year

No later than one year after the effective date of this permit, the permittee shall complete and submit to the NDEQ, the design and specifications for upgrade to the WWTF that will result in a treatment system that can routinely produce an effluent discharge that will meet the final permit ammonia and WET limits in Tables, 2, 3 and 4.

2. Second Year

No later than two years after the effective date of this permit, the permittee shall initiate the construction phase of the upgrades to the wastewater treatment system.

3. Fourth Year

No later than four years after the effective date of this permit, the permittee shall complete the construction of upgrades to the WWTF and initiate start-up procedures.

4. Fifth Year

No later than five years after the effective date of this permit, the permittee shall operate the Theresa Street WWTF to meet the final ammonia and whole effluent toxicity limits presented in Table 2, 3 and 4 of this permit.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

I. Monitoring Requirements for Outfall 002

Outfall 002 provides the capability to bypass untreated influent wastewater. The untreated wastewater is discharged into Salt Creek through a 42-inch pipe which leads to a box culvert. This permit does not authorize the discharge of untreated wastewater through Outfall 002. Any discharge of untreated wastewater through Outfall 002 is subject to the bypass and upset regulations set forth in Appendix A.

Table 8: Requirements for Outfall 002

Parameters	Units	Reporting		Monitoring Frequency	Sample Type ^(a)
		Monthly Average	Daily Maximum		
Duration of Discharge (50037)	days	Report	Report	Quarterly	Calculated
Effluent Flow (50051)	MGD	Report	Report	Quarterly	Calculated or Metered
Footnotes					
(a) Determine duration of discharge and effluent flow rate using the best possible estimate or determination.					

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

J. Monitoring Requirements for Outfall 003

Outfall 003 provides the capability to bypass untreated influent wastewater. Outfall 003 is a 54-inch bypass line with a flap-gate that runs from the pump station wetwell to Salt Creek. This permit does not authorize the discharge of untreated wastewater through outfall 003. Any discharge of untreated wastewater through Outfall 003 is subject to the bypass and upset regulations set forth in Appendix A.

Table 9: Requirements for Outfall 003

Parameters	Units	Reporting		Monitoring Frequency	Sample Type ^(a)
		Monthly Average	Daily Maximum		
Duration of Discharge (50037)	days	Report	Report	Quarterly	Calculated
Effluent Flow (50051)	MGD	Report	Report	Quarterly	Calculated or Metered
Footnotes					
(a) Determine duration of discharge and effluent flow rate using the best possible estimate or determination					

Part II. Influent Monitoring Requirements

The monitoring of untreated influent wastewater is required to verify compliance with the 85% removal requirements set forth in NDEQ Title 121 - *Effluent Guidelines and Standards*; and to provide data on wastewater treatment plant loading. This permit does not authorize the discharge of influent except pursuant to the by-pass and upset conditions set forth in Appendix A. To comply with these monitoring requirements, samples shall be taken at the head-works of the wastewater treatment facility prior to the treatment system. Influent wastewater shall be monitored as specified in Table 10 below.

Table 10: Monitoring Requirements for Influent Wastewater					
Parameter	Units	Influent Reporting		Monitoring Frequency	Sample Type
		Minimum	Maximum		
pH (00400)	S.U.	Report	Report	Weekly	Grab
Parameters	Units	Average	Maximum	Monitoring Frequency	Sample Type
Carbonaceous Biochemical Oxygen Demand (5 Day) (80082)	mg/L	Report	Report	Weekly	24 Hour Composite
Total Suspended Solids (00530)	mg/L	Report	Report	Weekly	24 Hour Composite

Part III. Sludge Disposal and Use Requirements

The sludge disposal requirements of this permit are set forth below. The disposal of domestic sewage sludge is subject to the requirements of 40 CFR Part 503. This is a Federal regulatory program administered by EPA Region VII. The current contact at EPA can be obtained upon request from NDEQ.

A) Approval

Submission of the Sludge Application Form, Attachment 2, constitutes notice that the Wastewater Treatment Facility intends to land apply sludge and requests approval by the NDEQ. The applicant is eligible to receive automatic approval provided the applicant indicates compliance with and understanding of the regulations and conditions contained in 40 CFR Part 503, and when all of the conditions set forth below are met, unless the Department acts to provide a conditional or circumstantial approval.

1. Sludge application is in compliance with the Federal 503 regulations, including all requirements related to vector and pathogen control;
2. Sludge is not applied within 200 feet of any actively used groundwater well, except for those used exclusively for irrigation;
3. Sludge is not being applied within 1000 feet of any public drinking water supply well; and
4. Application sites are not subject to public access.

B) Non-compliance Reporting Requirements

The permittee shall report to the NDEQ any instance(s) of noncompliance with 40 CFR Part 503. This Non-compliance Report shall be submitted to the NDEQ no later than 7 days after the permittee becomes aware of the non-compliance. The Non-compliance Report shall contain the basic information required and specified in Appendix A of this NPDES permit.

C) Withdrawal of Site Approval(s)

The Department may withdraw site approval(s) for any of the following:

1. Failure to comply with the regulations contained in 40 CFR Part 503;
2. Potential risks to surface or ground water quality;
3. Potential risks to the environment;
4. Potential risks to public health and / or welfare; and / or
5. Other site specific or facility specific considerations.

D) Sludge Monitoring Requirements

Sludge shall be monitored as specified below. A representative sample shall be collected and analyzed prior to application.

Parameters	Units	Sludge Reporting		Monitoring Requirements	
		30 Day Average	Maximum	Measurement Frequency	Sample Type
Ammonia (N) (82294)	mg/kg	Report	Report	Quarterly	Composite
Total Solids (78477)	mg/kg	Report	Report	Quarterly	Composite
Nitrate (N) (61539)	mg/kg	Report	Report	Quarterly	Composite
Total Nitrogen (78470)	mg/kg	Report	Report	Quarterly	Composite
Cadmium, Total (78476)	mg/kg	Report	Report	Quarterly	Composite
Chromium, Total (78473)	mg/kg	Report	Report	Quarterly	Composite
Copper, Total (78475)	mg/kg	Report	Report	Quarterly	Composite
Lead, Total (78468)	mg/kg	Report	Report	Quarterly	Composite
Nickel, Total (78469)	mg/kg	Report	Report	Quarterly	Composite
Zinc, Total (78467)	mg/kg	Report	Report	Quarterly	Composite
Arsenic, Total (61521)	mg/kg	Report	Report	Quarterly	Composite
Mercury, Total (78471)	mg/kg	Report	Report	Quarterly	Composite
Molybdenum, Total (78465)	mg/kg	Report	Report	Quarterly	Composite
Selenium, Total (61518)	mg/kg	Report	Report	Quarterly	Composite

Part IV. Other Requirements and Conditions

A. Requirements for removal of CBOD and TSS

The 30-day average percent removal for CBOD and TSS by the WWTF shall not be less than 85%.

B. Narrative Limits

Discharges authorized under this permit:

1. Shall not be toxic to aquatic life in surface waters of the State outside the mixing zones allowed in NDEQ Title 117- *Nebraska Surface Water Quality Standard*.
2. Shall not contain pollutants at concentrations or levels that produce objectionable films, colors, turbidity, deposits, or noxious odors in the receiving stream or waterway; and
3. Shall not contain pollutants at concentrations or levels that cause the occurrence of undesirable or nuisance aquatic life in the receiving stream.

C. Certified Operator Requirements

This facility is to be operated and maintained by operators certified in accordance with NDEQ Title 197 - *Rules and Regulations for the Certification of Wastewater Treatment Facility Operators in Nebraska*.

D. Method Detection Limit Reporting Requirements

The minimum detection limit (MDL) is defined as the level at which the analytical system gives acceptable calibration points. If the analytical results are below the MDL then the reported value on the DMR shall be a numerical value less than the MDL (e.g. <0.005).

E. Whole Effluent Toxicity Corrective Action

If the whole effluent toxicity tests results exceed the toxicity limitations in this permit, this is a permit violation and the permittee must initiate corrective actions according to the conditions in Attachment 2, *NDEQ Guidance for Conducting Toxicity Testing and TIE/TRE Studies*.

F. Immediate Reporting Requirements

The permittee shall immediately report to the Department by telephone

1. Evidence of a possible violation of a numeric or narrative limit in this permit;
2. Evidence that a discharge or sludge may be causing distress to fish, aquatic life, plant life, wildlife, or livestock; and / or
3. Any spills, leaks or contamination that could impact discharges authorized under this permit, or surface or ground waters.

G. Requirements for any Discharge Associated with the Wastewater Treatment Facility and Collection System

Any discharge from the wastewater treatment system must be sampled, the effluent flow determined and the discharge reported to NDEQ. This requirement applies to all discharges from the wastewater treatment system. Failure to sample and report is a permit violation. If a discharge occurs through a structure other than the outfall structure specified in this permit, NDEQ must be contacted immediately and the discharge must be sampled and flow estimated.

Part IV. Other Requirements and Conditions (continued)

H. Additional Monitoring

1. The Department may require increases in the monitoring frequencies set forth in this permit to address new information concerning a discharge, evidence of potential non-compliance, suspect water quality in a discharge, evidence of water quality impacts in the receiving stream or waterway, or other similar concerns.
2. The Department may require monitoring for additional parameters not specified in the permit to address new information concerning a discharge, evidence of potential non-compliance, suspect water quality in a discharge, evidence of water quality impacts in the receiving stream or waterway, or other similar concerns.

I. Permit Modification and Reopening

This permit may be reopened and modified after public notice and opportunity for a public hearing for reasons specified in NDEQ Title 119 - *Rules and Regulations Pertaining to the Issuance of Permits Under the National Pollutant Discharge Elimination System, Chapter 14.*

J. Permit Attachments

The attachments to this permit (e.g. forms and guidance) may be changed without a formal modification of this permit.

K. Pretreatment Requirements

An annual report shall be submitted to the NDEQ summarizing the City of Lincoln's pretreatment program to include a report on monitoring activities and a review of major permit violations. The City shall also inform the NDEQ when new Significant Industrial Users (SIU) are connected to the POTW.

APPENDIX A - Standard Conditions for NPDES and NPP Permits.

These general conditions are applicable to all NPDES and NPP permits. These conditions shall not preempt any more stringent requirements found elsewhere in this permit.

A. General Conditions

1. Information Available

All permit applications, fact sheets, permits, discharge data, monitoring reports, and any public comments concerning such shall be available to the public for inspection and copying, unless such information about methods or processes is entitled to protection as trade secrets of the owner or operator under Neb. Rev. Stat. §81-1527. (Cum. Supp. 1992) and Title 115, Chapter 4.

2. Duty to Comply

All authorized discharges shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit.

The permittee shall comply with all conditions of this permit. Failure to comply with these conditions may be grounds for administrative action or enforcement proceedings including injunctive relief and civil or criminal penalties.

The filing of a request by the permittee for a permit modification, revocation and reissuance, termination or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize, prevent or correct any adverse impact to the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as required by the NDEQ to determine the nature and impact of the noncompliant discharge.

4. Permit Actions

This permit may be modified, suspended, revoked or reissued, in part or in whole, in accordance with the regulations set forth in NDEQ Titles 119 and/or 127. In addition, this permit may be modified, revoked and reissued to incorporate standards or limitations issued pursuant to Sections 301(b)(2)(c), 301(b)(2)(d), 304(b)(2), 307(a)(2), or 405(d) of the Clean Water Act, Public Law 100-4 (i.e., industrial categorical standards and municipal sludge regulations) and Title 121.

5. Toxic Pollutants

The permittee shall not discharge pollutants to waters of the State that cause a violation of the standards established in NDEQ Titles 117, 118 or 121. All discharges to surface waters of the State shall be free of toxic (acute or chronic) substances which alone or in combination with other substances, create conditions unsuitable for aquatic life outside the appropriate mixing zone.

Appendix A (continued)**6. Oil and Hazardous Substances/Spill Notification**

Nothing in this permit shall preclude the initiation of any legal action or relieve the permittee from any responsibilities, liabilities or penalties under Section 311 of the Clean Water Act. The permittee shall conform to the provisions set forth in NDEQ Title 126 in the event of a release of a reportable quantity of oil or hazardous substances. If the permittee knows, or has reason to believe, that oil or hazardous substances were released at the facility and could enter waters of the State or any of the outfall discharges authorized in this permit, the permittee shall immediately notify the Department of a release of oil or hazardous substances. During Department office hours (i.e., 8:00 a.m. to 5:00 p.m., Monday through Friday, except holidays), notification shall be made to the LUST/ER Section (telephone number 402/471-4230). When the LUST/ER Section cannot be contacted, the permittee shall report to the Nebraska State Patrol for referral to the NDEQ Emergency Response Team (telephone number 402/471-4545). It shall be the permittee's responsibility to maintain current telephone numbers necessary to carry out the notification requirements set forth above.

7. Property Rights

The issuance of this permit does not convey any property rights of any sort or any exclusive privileges nor does it authorize any damage to private property or any invasion of personal rights nor any infringement of federal, state or local laws or regulations.

8. Severability

If any provision of this permit is held invalid, the remainder of this permit shall not be affected.

9. Other Rules and Regulations

The issuance of this permit in no way relieves the obligation of the permittee to comply with other rules and regulations of the Department.

10. Inspection and Entry

The permittee shall allow the Director or his authorized representative, upon the presentation of his identification and at a reasonable time:

- a. to enter upon the permittee's premises where a regulated facility or activity is located or conducted, or records are required to be kept under the terms and conditions of the permit,
- b. to have access to and copy any records required to be kept under the terms and conditions of the permit,
- c. to inspect any facilities, equipment (including monitoring and control), practices or operations regulated or required in the permit, and
- d. to sample or monitor any substances or parameters at any location.

11. Penalties

Violations of the terms and conditions of this permit may result in the initiation of criminal and/or civil actions. Civil penalties can result in fines of up to \$10,000.00 per day [Neb. Rev. Stat. §81-1508, as amended to date. Criminal penalties for willful or negligent violations of this permit may result in penalties of \$10,000.00 per day or by imprisonment. Violations may also result in federal prosecution.

Appendix A (continued)

B. Management Requirements

1. Duty to Provide Information

The permittee shall furnish to the Department within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit; or to determine compliance with this permit. The permittee shall also furnish to the Department upon request, copies of records retained as a requirement of this permit.

2. Duty to Reapply

The permittee shall apply for a reissuance of this permit, if an activity regulated by this permit is to be continued after the expiration date of this permit. The application shall be submitted at least 180 days before the expiration of this permit on an application form supplied by the Department, as set forth in NDEQ Titles 119 and/or 127.

3. Signatory Requirements

All reports and applications required by this permit or submitted to maintain compliance with this permit, shall be signed and certified as set forth in this section.

- a. Permit applications shall be signed by a **cognizant official** who meets the following criteria:
 - (1) for a corporation: by a principal executive officer of at least the level of vice-president,
 - (2) for a partnership or sole proprietorship: by a general partner or the proprietor, respectively, or
 - (3) for a municipality, state, federal or other public facility: by either a principal executive officer or highest ranking elected official.
- b. Discharge monitoring reports and other information shall be signed by the cognizant official or by an **authorized representative**.
- c. An authorized representative is designated by the cognizant official. The authorized representative is responsible for the overall operation of the facility (i.e., a plant manager, a well field operator or a wastewater treatment plant superintendent).
- d. Any change in the signatories shall be submitted to the Department, in writing, within 30 days after the change.
- e. Certification. All applications, reports and information submitted as a requirement of this permit, shall contain the following certification statement:

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Appendix A (continued)

C. Monitoring and Records

1. Representative Sampling

Samples and measurements taken as required within this permit shall be representative of the discharge. All samples shall be taken at the monitoring points specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water or substance. Monitoring points shall not be changed without notification to the Department and with the written approval of the Director.

- a. Composite sampling shall be conducted in one of the following manners:
 - (1) continuous discharge - a minimum of one discrete aliquot collected every three hours,
 - (2) less than 24 hours - a minimum of hourly discrete aliquots or a continuously drawn sample shall be collected during the discharge, or
 - (3) batch discharge - a minimum of three discrete aliquots shall be collected during each discharge.
- b. Composite samples shall be collected in one of the following manners:
 - (1) the volume of each aliquot must be proportional to either the waste stream flow at the time of sampling or the total waste stream flow since collection of the previous aliquot,
 - (2) a number of equal volume aliquots taken at varying time intervals in proportion to flow,
 - (3) a sample continuously collected in proportion to flow, and
 - (4) where flow proportional sampling is infeasible or nonrepresentative of the pollutant loadings the Department may approve the use of time composite samples.
- c. Grab samples shall consist of a single aliquot collected over a time period not exceeding 15 minutes.
- d. All sample preservation techniques shall conform to the methods adopted in NDEQ Title 121, Chapter 8, unless:
 - (1) in the case of sludge samples, alternative techniques are specified in the 40 CFR, Part 503, or
 - (2) other procedures are specified in this permit.

2. Flow Measurements

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be used to insure the accuracy and reliability of measurements. The devices shall be installed, calibrated and maintained to insure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of +/- 10% from the true discharge rates throughout the range of expected discharge volumes. Guidance in selection, installation, calibration and operation of acceptable flow measurement devices can be obtained from the following references:

- a. "Water Management Manual," U. S. Department of Interior, Bureau of Reclamation, Second Edition, Revised Reprint, 1974, 327 pp. Available from the U. S. Government Printing Office, Washington, DC 20402. Order by Catalog Number 127.19/2:W29/2, Stock Number S/N 24003-0027.

Appendix A (continued)

- b. "Flow Measurement in Open Channels and Closed Conduits," U. S. Department of Commerce, National Bureau of Standards, NBS Special Publication 484, October, 1977, 982 pp. Available in paper copy or microfiche from National Technical Information Service (NTIS), Springfield, VA 22151. Order by NTIS Number PB-273 535/5ST.
- c. "NPDES Compliance Sampling Manual," U. S. Environmental Protection Agency, Office of Water Enforcement, Publication MCD-51, May, 1988. 140 pp. Available from the General Services Administration (GSA), Centralized Mailing Lists Services, Building 41, Denver Federal Center, Denver, CO 80225.

3. Test Procedures

Test procedures used for monitoring required by this permit, shall conform to the methods adopted in NDEQ Title 121, Chapter 8 unless:

- a. in the case of sludge samples, alternative techniques are specified in the 40 CFR, Part 503, or
- b. other procedures are specified in this permit.

4. Averaging of Measurements

Averages shall be calculated as an arithmetic mean except:

- a. bacterial counts which shall be calculated as a geometric mean, or
- b. where otherwise specified by the Department.

5. Retention of Records

The permittee shall retain records of all monitoring activities for a period of at least three years (five years for sludge; see below) as set forth in NDEQ Titles 119 and/or 127. The types of records that must be retained include, but are not limited to:

- a. calibration and maintenance records,
- b. original strip chart recordings,
- c. copies of all reports required by this permit,
- d. monitoring records and information, and
- e. electronically readable data.

The permittee shall retain records of monitoring required by this permit that are related to sludge use and disposal for a period of five years or longer, as required in 40 CFR, Part 503.

6. Record Contents

Records of sampling or monitoring information shall include:

- a. the date(s), exact place, time and methods of sampling or measurements,

Appendix A (continued)

- b. the name(s) of the individual(s) who performed the sampling or measurements,
- c. the date(s) the analyses were performed,
- d. the individual(s) who performed the analyses,
- e. the analytical techniques or methods used,
- f. the results of such analyses, and
- g. laboratory data, bench sheets and other required information.

D. Reporting Requirements

1. Immediate Notification

- a. NPP permittees shall report immediately to the publicly owned treatment works (POTW); any discharge to the POTW that may result in a violation of NDEQ Title 127, Chapter 3.
- b. All permittees shall report immediately to the NDEQ:
 - (1) discharges of oil or hazardous substances which threaten waters of the State or public health and welfare, and
 - (2) discharges causing in-stream toxicity (i.e., a fish kill) or an immediate threat to human health.

Initial notification may be verbal. A written noncompliance notification shall be submitted as set forth in Section D. 3. of this Appendix.

2. 24-Hour Reporting

The permittee shall report to the NDEQ, within 24 hours of becoming aware of:

- a. any noncompliance which may endanger the environment or human health or welfare,
- b. any unanticipated bypass as set forth in NDEQ Titles 119 and/or 127,
- c. all upsets as set forth in NDEQ Titles 119 and/or 127,
- d. any discharge to a POTW that causes a violation of the prohibited discharge standards set forth in NDEQ Title 127, Chapter 3, or
- e. any noncompliance of an effluent limitation in this permit.

Initial notification may be verbal. A written noncompliance notification shall be submitted as set forth in Section D. 3. of this permit.

If sampling performed by an industrial user (NPP permittee) indicates a permit effluent violation, the permittee shall notify the Department and the city within 24 hours of becoming aware of the violation. The permittee shall resample and have it analyzed. The results of the resampling analysis shall be submitted to the Department and the city within 30 days after becoming aware of the violation.

Appendix A (continued)

3. Written Noncompliance Notification

- a. The permittee shall submit a written noncompliance report to the NDEQ:
 - (1) within five days of becoming aware of any noncompliance with the:
 - (a) NPP effluent limitations or requirements set forth in this permit, or
 - (b) NPDES toxic pollutant effluent limitations or requirements set forth in this permit.
 - (2) within seven days of becoming aware of any other noncompliance with the NPDES requirements and/or effluent limitations set forth in this permit.
- b. the written notification shall be submitted on a noncompliance form supplied by the Department and shall include:
 - (1) a description of the discharge and cause of noncompliance,
 - (2) the period of noncompliance, including exact dates and times, or if not corrected, the anticipated time the noncompliance is expected to continue, and
 - (3) the steps taken to reduce, eliminate and prevent the reoccurrence of the noncompliance.

The submittal of a written noncompliance report does not relieve the permittee of any liability from enforcement proceedings that may result from the violation of permit or regulatory requirements.

4. Quarterly Discharge Monitoring Reports (DMRs)

The permittee shall report the monitoring results required by this permit on a DMR form supplied or approved by the Department. Monitoring results shall be submitted on a quarterly basis using the reporting schedule set forth below, unless otherwise specified in this permit or by the Department.

<u>Monitoring Quarters</u>	<u>DMR Reporting Deadlines</u>
January - March	April 28
April - June	July 28
July - September	October 28
October - December	January 28

If the permittee monitors any pollutant more frequently than required by this permit, using procedures specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted on the DMR. The frequency of the analysis shall also be reported on the DMR.

5. Changes in Discharge

Any facility expansion, production increases or process modifications which will result in new or substantially increased discharges of pollutants or a change in the nature of the discharge of pollutants must be reported by the permittee 180 days prior to the expansion, increases or modifications, either by amending his original application or by submitting a new application. This permit may be modified or revoked and reissued as a result of this notification to maintain compliance with applicable state or federal regulations.

Appendix A (continued)

6. Changes in Toxic Discharges from Manufacturing, Commercial, Mining and Silvicultural Facilities

Permittees discharging from manufacturing, commercial, mining and silvicultural facilities shall report to the Department:

- a. if any toxic pollutant not limited in this permit is discharged from any NPDES outfall as a result of any activity that will or has occurred and results in its routine or frequent discharge. The Department shall be informed if that discharge exceeds the following notification levels:
 - (1) 100 micrograms per liter (0.1 mg/l) for any toxic pollutant,
 - (2) 200 micrograms per liter for acrolein and acrylonitrile (0.2 mg/l),
 - (3) 500 micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol (0.5 mg/l),
 - (4) 1000 micrograms per liter for antimony (1 mg/l),
 - (5) five times the maximum concentration value reported for that pollutant in the permit application or
 - (6) an alternative level established by the Director, and
- b. if any toxic pollutant not limited in this permit is discharged from an NPDES outfall as a result of any activity that will or has occurred and results in its nonroutine discharge. The Department shall be informed if that discharge exceeds the following notification levels:
 - (1) 500 micrograms per liter (0.5 mg/l) for any toxic pollutant,
 - (2) 1000 micrograms for antimony (1 mg/l),
 - (3) ten times the maximum concentration value reported for that pollutant in the permit application, or
 - (4) an alternative level established by the Director.

7. Changes in Sludge Quality

The permittee shall provide written notice to the Department of any alteration or addition that results in a significant change in the permittee's sludge use or disposal practices. This permit may be modified or revoked and reissued as a result of this notification to maintain compliance with applicable state or federal regulations.

8. Changes of Loadings to Publicly Owned Treatment Work (POTW)

POTW's shall notify the Department of the following:

- a. any new introduction of pollutants from dischargers subject to the categorical pretreatment discharge limitations set forth in NDEQ Title 121, Chapter 2, and
- b. any substantial change in the volume or character of pollutants being introduced into the POTW.

Notification shall be made 180 days in advance whenever possible. Information on the quantity and quality of new discharges and their anticipated impact on the POTW shall be included.

Appendix A (continued)

9. Transfers

The permittee shall notify the Department at least 30 days prior to the proposed transfer of ownership of this permit or the permitted facility to another party as set forth in NDEQ Title 119, Chapter 12 and/or NDEQ Title 127, Chapter 14. The Department may modify or revoke and reissue this permit according to the regulations set forth in NDEQ Titles 119 and/or 127.

10. Compliance Schedules

The permittee shall submit a written report of compliance or noncompliance with any compliance schedule established in this permit. The written report shall be submitted within 14 days following all deadlines established in the compliance schedule. If compliance has not been achieved, the report shall include an alternative completion date, an explanation of the cause of the noncompliance and an explanation of the steps being taken to ensure future compliance. The submission of this report does not ensure the Department's acceptance of alternative compliance dates nor does it preclude the Department from initiating enforcement proceedings based upon the reported noncompliances.

E. Operation and Maintenance

1. Proper Operation and Maintenance

The permittee shall, at all times, maintain in good working order and operate as efficiently as possible, any facilities or systems of control installed by the permittee in order to achieve compliance with the terms and conditions of this permit. This would include, but not be limited to, effective performance based on designed facility removals, effective management, adequate operator staffing and training, adequate laboratory and process controls, and adequate funding which reflects proper user fee schedules.

2. Treatment System Failure and Upset

An upset is an affirmative defense to an enforcement action brought for noncompliance with technology-based permit effluent limitations if the permittee can demonstrate, through properly signed, operating logs or other relevant evidence, that:

- a. an upset occurred and the specific cause was identified,
- b. that the facility was properly operated and maintained at such time,
- c. the Department was notified within 24 hours of the permittee becoming aware of the upset, and
- d. the permittee took action to reduce, eliminate and prevent a reoccurrence of upset, including minimizing adverse impact to waters of the State.

3. Bypassing

Any diversion from or bypass of the treatment facilities is prohibited, unless:

- a. it is unavoidable to prevent loss of life, personal injury or severe property damage,
- b. no feasible alternative exists, i.e., auxiliary treatment facilities, retention of untreated wastes or maintenance during normal periods of equipment downtime,

Appendix A (continued)

- c. the permittee submits notice to the Department within 24 hours of becoming aware of the bypass or if the bypass is anticipated or should have been anticipated, the Department is notified at least ten days prior to the bypass, and
- d. the bypass is conducted under conditions determined to be necessary by the Director to minimize any adverse effects.

If the bypass is needed for regular preventative maintenance for which back-up equipment should be provided, the bypass will not be allowed. When a bypass occurs, the burden is on the permittee to demonstrate compliance with items "a" through "d" above.

Additionally, NPP permittees shall report any bypasses to the POTW. Unanticipated bypasses shall be reported immediately and anticipated bypasses shall be reported at least ten days in advance.

All NPDES permittees shall notify the general public that a bypass of the treatment system is occurring. The public notification shall include:

- a. location of the bypass,
- b. the date the bypass started,
- c. anticipated length of time the bypass will occur, and
- d. an estimate of the total volume of wastewater bypassed.

4. Removed Substances

Solids, sludge, filter backwash or other pollutants removed in the course of treatment or control of wastewater shall be disposed of at a site and in a manner approved by the Nebraska Department of Environmental Quality. The disposal of nonhazardous industrial sludges shall conform to the standards established in or to the regulations established pursuant to 40 CFR, Part 257. The disposal of sludge shall conform to the standards established in or to the regulations established pursuant to 40 CFR, Part 503. If solids are disposed of in a licensed sanitary landfill, the disposal of solids shall conform to the standards established in Title 132. Publicly owned treatment works shall dispose of sewage sludge in a manner that protects public health and the environment from any adverse effects which may occur from toxic pollutants as defined in Section 307 of the Clean Water Act. This permit may be modified or revoked and reissued to incorporate regulatory limitations established pursuant to 40 CFR, Part 503.

F. Definitions

Administrator: The Administrator of the USEPA.

Aliquot: An individual sample having a minimum volume of 100 milliliters that is collected either manually or in an automatic sampling device.

Biweekly: Once every other week.

Bimonthly: Once every other month.

Bypass: The intentional diversion of wastes from any portion of a treatment facility.

Appendix A (continued)

Daily Average: An effluent limitation that cannot be exceeded and is calculated by averaging the monitoring results for any given pollutant parameter obtained during a 24-hour day.

Department: Nebraska Department of Environmental Quality.

Director: The Director of the Nebraska Department of Environmental Quality.

Industrial User: A source of indirect discharge (a pretreatment facility).

Monthly Average: An effluent limitation that cannot be exceeded, calculated by averaging the monitoring results for any given pollutant parameter obtained during a calendar month.

Publicly Owned Treatment Works (POTW): A treatment works as defined by Section 212 of the Clean Water Act (Public Law 100-4) which is owned by the state or municipality, excluding any sewers or other conveyances not leading to a facility providing treatment.

30-Day Average: An effluent limitation that cannot be exceeded, calculated by averaging the monitoring results for any given pollutant parameter obtained during a calendar month.

Total Toxic Organics (TTO): The summation of all quantifiable values greater than 0.01 milligrams per liter (mg/l) for toxic organic compounds that may be identified elsewhere in this permit. (If this term has application in this permit, the list of toxic organic compounds will be identified; typically in the Limitations and Monitoring Section(s) or in an additional Appendix to this permit.)

Toxic Pollutant: Those pollutants or combination of pollutants, including disease causing agents, after discharge and upon exposure, ingestion, inhalation or assimilation into an organism, either directly from the environment or indirectly by ingestion through food chains will, on the basis of information available to the administrator, cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunction (including malfunctions in reproduction) or physical deformations, in such organisms or their offspring.

Upset: An exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee, excluding such factors as operational error, improperly designed or inadequate treatment facilities or improper operation and maintenance or lack thereof.

Volatile Organic Compounds (VOC): The summation of all quantifiable values greater than 0.01 milligrams per liter (mg/l) for volatile, toxic organic compounds that may be identified elsewhere in this permit. (See the definition for Total Toxic Organics above. In many instances, VOCs are defined as the volatile fraction of the TTO parameter. If the term "VOC" has application in this permit, the list of toxic organic compounds will be identified; typically in the Limitations and Monitoring Section(s) or in an additional Appendix to this permit.)

Weekly Average: An effluent limitation that cannot be exceeded, calculated by averaging the monitoring results for any given pollutant parameter obtained during a fixed calendar week. The permittee may start their week on any weekday but the weekday must remain fixed unless a change is approved by the Department.

"X" Day Average: An effluent limitation defined as the maximum allowable "X" day average of consecutive monitoring results during any monitoring period where "X" is a number in the range of one to seven days.

Appendix A (continued)

G. Abbreviations

CER: Code of Federal Regulations

kg/Day: Kilograms per Day

MGD: Million Gallons per Day

mg/L: Milligrams per Liter

NDEQ: Nebraska Department of Environmental Quality

NDEQ Title 115: Rules of Practice and Procedure

NDEQ Title 117: Nebraska Surface Water Quality Standards

NDEQ Title 118: Ground Water Quality Standards and Use Classification

NDEQ Title 119: Rules and Regulations Pertaining to the Issuance of Permits Under the National Pollutant Discharge Elimination System

NDEQ Title 121: Effluent Guidelines and Standards

NDEQ Title 126: Rules and Regulations Pertaining to the Management of Wastes

NDEQ Title 127: Rules and Regulations Governing the Nebraska Pretreatment Program

NDEQ Title 132: Rules and Regulations Pertaining to Solid Waste Management

NPDES: National Pollutant Discharge Elimination System

NPP: Nebraska Pretreatment Program

POTW: Publicly Owned Treatment Works

ug/L: Micrograms per Liter

WWTF: Wastewater Treatment Facility

Whole Effluent Toxicity Noncompliance Procedures

- 1) Report the noncompliance orally to NDEQ within 24 hours and take all reasonable measures necessary to reduce toxicity immediately.
- 2) Conduct a follow-up test within four weeks after the receipt of the initial noncompliant test results. The results of the follow-up test shall be submitted to NDEQ within seven days after receipt of the results.
- 3) If the follow-up test results indicate compliance with toxicity limits, then the permittee may resume the whole effluent toxicity testing schedule in this permit.
- 4) If the follow-up test results indicate noncompliance with toxicity limits and the source of toxicity is known, then the permittee shall submit a plan and schedule to attain continued compliance with the whole effluent toxicity permit limits within 30 days of receipt of the noncompliant follow-up test results.
- 5) If the follow-up test results indicate noncompliance with toxicity limits and the source of toxicity is unknown, the permittee must immediately begin developing a Toxicity Reduction Evaluation (TRE) plan. The basis for this plan and schedule shall be EPA's Toxicity Reduction Procedures, Phases 1, 2, and 3 (EPA-600/3-88/034, 035, and 036) and TRE protocol for POTWs (EPA-600/2-88/062). This TRE plan must be submitted to NDEQ for review and approval within 90 days of receipt of the noncompliant follow-up test results.

Guidance for Conducting Toxicity Testing and TIE/TRE Studies

(January 2001)



1. Test Procedures

Acute and chronic toxicity is a measure of the toxic effect that a wastewater effluent may have on living organisms (i.e., *Pimephales promelas* and *Ceriodaphnia* species). Acute and chronic toxicity analyses are conducted using the EPA approved Whole Effluent Toxicity (WET) test methods set forth in 40 CFR, Part 136 (July 1996 edition). These test methods establish standardized conditions and require that certain chemical and physical analyses be conducted in conjunction with the toxicity analysis.

2. Results Reporting

Test results are reported in terms of toxic units. Acute toxic units are abbreviated TU_a, and are the inverse of the LC₅₀ (i.e., the concentration of effluent that is lethal to 50% of the organisms) expressed as a decimal fraction. Chronic toxic units are abbreviated TU_c, and are the inverse of the NOEC (i.e., the highest concentration of effluent at which there is no observed effect on the organisms) with respect to growth or reproductive inhibition) expressed as a decimal fraction. The tables below provide examples of the LC₅₀ and NOEC conversions to toxic units.

LC ₅₀	Decimal Fraction	TU _a	NOEC	Decimal Fraction	TU _c
0.1 %	0.001	1000	0.1 %	0.001	1000
1%	0.01	100	1%	0.01	100
10%	0.1	10	10%	0.1	10
25%	0.25	4	25%	0.25	4
50%	0.5	2	50%	0.5	2
100%	1	1	100%	1	1

3. Initial Response to Non-Compliance

If the permit limits for toxicity are exceeded, the permittee typically needs to perform the following actions.

- a. Submit a written non-compliance report (NCR) within 5 days. In the NCR, identify any suspect sources of the toxicity and describe any measures being taken to reduce toxicity.
- b. Conduct a follow-up toxicity testing with both organisms within four (4) weeks.

4. Return to Compliance

If the follow-up test results are in compliance with the limits in the permit, the permittee typically needs to perform the following actions.

- a. Within 30 days submit the results of the follow-up test in a written report to the NDEQ. The written report should discuss the effect of the measures taken to reduce toxicity. The report should also provide the NDEQ with a recommendation relative to their success and, if ongoing, the need to continue implementing these measures.
- b. Testing can generally be resumed on the routine schedule established in the permit, unless the NDEQ specifies otherwise. The NDEQ can require additional follow-up testing on a case-by-case basis (e.g., if there was no apparent reason why toxicity decreased). Any measures taken to reduce toxicity will generally need to be continued as Best Management Practices), unless the NDEQ provides a written approval for their discontinuance.

5. Actions to Address Continued Non-Compliance

If the follow-up toxicity test results are not in compliance with the permit limits, the permittee typically needs to perform Toxicity Identification Evaluations (TIE) and Toxicity Reduction Evaluations (TRE) as specified below. The permittee is responsible for maintaining compliance with the toxicity limits in this permit. The undertaking of the TIE/TRE process does not constitute compliance unless or until compliance with the permit limits is achieved. See explanatory note below concerning Departmental actions to address non-compliance.

- a. Development and implementation of a Toxicity Identification Evaluation (TIE) needs to begin immediately. A summary plan for the initiation of the TIE should be submitted to the NDEQ within 30 days of when the follow-up of non-compliant result is received. A meeting with the NDEQ to discuss TIE/TRE alternatives within this period is encouraged.
- b. A complete TIE/TRE schedule should be submitted to the NDEQ within 90 days. The NDEQ will seek clarification on at least some aspects of the schedule, and may request some modification.
- c. The TIE and TRE processes should continue concurrently; i.e., as the TIE process identifies toxicity sources, reasonable measures to reduce the toxicity from these sources should be taken. The TIE/TRE schedule may need to be revised in response to ongoing TIE/TRE activities.
- d. Sometimes it is possible to forego or discontinue the TIE process, and proceed directly with the TRE process. However, before abandoning the TIE process, it is important that:
 - i. the source of the toxicity be known; and
 - ii. NDEQ concurs with this approach.

ngoing non-compliance with a toxicity limit will typically be addressed in one of two ways depending on whether agreement can be achieved between the NDEQ and permittee on the TIE/TRE schedule and procedures. If agreement can be achieved, the NDEQ and the permittee may wish to enter into a Consent Order. If agreement can not be achieved, the NDEQ may proceed unilaterally via administrative and/or enforcement actions. In most instances, it is advantageous for all parties if a mutually agreed to TIE/TRE process can be implemented. For that reason, early meetings and discussions with the Department are encouraged.

For internal use only NPDES # <u>NE</u> IIS # _____

Nebraska Department of Environmental Quality

NPDES Wastewater Section
 1200 'N' Street, Suite 400, The Atrium
 PO Box 98922
 Lincoln, NE 68509-8922
 Tel. 402/471-4220 / Fax 402/471-2909

• Sludge Application Approval Form •

Submission of this Sludge Application Form constitutes notice that the Wastewater Treatment Facility intends to land apply sludge and requests approval by NDEQ. The municipal wastewater treatment facility generating and applying the sludge needs to be in compliance with the Federal regulations contained in *40 CFR Part 503* which is administered by E.P.A. Region VII.

Wastewater Treatment Facility Name

Application Site Location(s): Provide a brief narrative description of the site location(s) and /or where the NDEQ could review complete documentation pertaining to the site location(s)

Sludge Application Checklist

Please circle the correct response and provide additional information as requested

A "No" answer to any question in this box disqualifies the facility from automatic approval.

1) Are those who produce, dispose of or land apply sludge from the municipal wastewater treatment facility aware that any sludge produced, disposed of or land applied must be in compliance with the Federal regulations contained in *40 CFR Part 503*? **Yes** **No**

2) Are the wastewater treatment facility's sludge production, disposal and handling procedures in compliance with *40 CFR Part 503*? **Yes** **No**

I certify that the information submitted in this document is correct to my best knowledge and belief.

_____ Signature*	_____ Date Signed
_____ Printed Name	_____ Title

*Either the Cognizant Official or the Authorized Representative may sign

STATE OF NEBRASKA



Mike Johanns
Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

Michael J. Linder
Director

Suite 400, The Atrium

1200 N. Street

P.O. Box 98922

Lincoln, Nebraska 68509-8922

Phone (402) 471-2186

FAX (402) 471-2909

December 5, 2003

RETURN RECEIPT REQUESTED

The Honorable Coleen Seng
Mayor of the City of Lincoln
555 South 10th Street
Lincoln, NE 68508

Re: NPDES Number NE0112488 (PCS 31988-P)

Dear Mayor Seng:

Enclosed is the National Pollutant Discharge Elimination System (NPDES) Permit for the City of Lincoln Northeast WWTF. Monitoring reports prescribed in Appendix A are required to be submitted to NDEQ.

I have also enclosed Signatory Authorization Forms for Theresa Street WWTF, Lincoln Northeast WWTF and the Lincoln MS4. I am sending a copy of the most recent forms on file with our Department for these facilities. Please complete and return to me the new forms with the updated information.

Questions regarding this permit or monitoring reports should be directed to John Schauer of the NPDES Permits Unit of NDEQ at 402-471-4205. Your cooperation in helping to improve and maintain the quality of Nebraska's waters is appreciated.

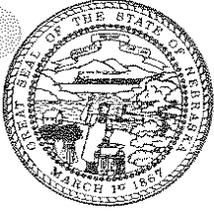
Sincerely,

A handwritten signature in cursive script that reads "Sharon Brunke".

Sharon Brunke
Permit Program Coordinator
Water Quality Division

c: Alan Abbott, City of Lincoln
Steve Masters, City of Lincoln
Gary Brandt, City of Lincoln
Enclosure(s)

STATE OF NEBRASKA



Mike Johanns
Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY

Michael J. Linder

Director

Suite 400, The Atrium

1200 'N' Street

P.O. Box 98922

Lincoln, Nebraska 68509-8922

Phone (402) 471-2186

FAX (402) 471-2909

web site : www.deq.state.ne.us

Authorization to Discharge Under the National Pollutant Discharge Elimination System (NPDES)

This NPDES permit is issued in compliance with the provisions of the Federal Water Pollution Control Act (33 U.S.C. Secs. 1251 *et. seq.* as amended to date), the Nebraska Environmental Protection Act (Neb. Rev. Stat. Secs. 81-1501 *et. seq.* as amended to date), and the Rules and Regulations promulgated pursuant to these Acts. The facility and outfalls identified in this permit are authorized to discharge wastewater and are subject to the limitations, requirements, prohibitions and conditions set forth herein. This permit regulates and controls the release of pollutants in the discharges authorized herein. This permit does not relieve permittees of other duties and responsibilities under the Nebraska Environmental Protection Act, as amended, or established by regulations promulgated pursuant thereto.

NPDES Permit No.: **NE0112488**
IIS File No.: **PCS 31988-P**
Permittee: **City of Lincoln, Nebraska**
Facility: **Lincoln Northeast Wastewater Treatment Plant**
Facility Location **NE¼, Section 34, Township 11, North, Range 7 East, Lancaster Co., Nebraska**
Receiving Waters: **Salt Creek**
Effective Date: **January 1, 2004**
Expiration Date: **December 31, 2008**

Pursuant to the Delegation Memorandum dated July 26, 1999 and signed by the Director, the undersigned hereby executes this document on the behalf of the Director.

Signed this 4th day of December 2003

A handwritten signature in black ink, appearing to read "Jay D. Ringenberg", written over a horizontal line.
Jay D. Ringenberg, Deputy Director, Programs

Table of Contents

Contents of the Permit

Part I. Monitoring and Limitation Requirements.....	3-8
A. Requirements for pH, CBOD, TSS, and Flow for Outfall 001.....	3
B. Spring Requirements for Ammonia and Toxicity for Outfall 001.....	4
C. Summer Requirements for Ammonia and Toxicity for Outfall 001.....	5
D. Winter Requirements for Ammonia and Toxicity for Outfall 001.....	6
E. Requirements for Fecal Coliform for Outfall 001.....	7
F. Peak Flow Disinfection by Chlorination for Outfall 001.....	8
G. Metals Monitoring Requirements for Outfall 001.....	9
H. Compliance Schedule for Meeting Ammonia Requirements for Outfall 001.....	10
I. Monitoring Requirements for Outfall 002.....	11
Part II. Influent Monitoring Requirements	12
Part III. Sludge Disposal Requirements and Ground Water Monitoring.....	13-14
Part IV. Other Requirements and Conditions.....	14-16
Appendix A Standard Conditions for NPDES and NPP Permits.....	17-28
A. General Conditions.....	17
B. Management Requirements.....	19
C. Monitoring Records.....	20
D. Reporting Requirements.....	22
E. Operation and Maintenance.....	25
F. Definitions.....	26
G. Abbreviations.....	28
Attachment 1 Whole Effluent Toxicity Noncompliance Procedures.	
Attachment 2 Sludge Application Site Approval Form	

Part I. Final Effluent Limitations and Monitoring Requirements for Outfall 001

A. Requirements for pH, CBOD, TSS, and Flow for Outfall 001

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified in the tables below (i.e., Tables 1 through 6). Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ. Refer to Appendix A Standard Conditions for NPDES and NPP Permits for additional permit requirements.

Table I: Annual Requirements for Outfall 001 that apply for pH, flow, CBOD, and TSS					
Parameter	Units	LIMIT		Monitoring Frequency	Sample Type
		Minimum	Maximum		
pH (00400)	S.U.	6.5	9.0	Daily	Grab
Parameter	Units	LIMIT		Monitoring Frequency	Sample Type
		Monthly Average	Maximum		
Flow (50050)	MGD	Report	Report	Daily	Calculated or Metered
Parameters	Units	LIMITS		Monitoring Frequency	Sample Type
		Monthly Average	7 Day Average		
Carbonaceous Biochemical Oxygen Demand(5-Day) (80082)	mg/L	25.0	40.0	Daily	24 Hour Composite
	kg/day	634.8	1015.7		
Total Suspended Solids(00530)	mg/L	30.0	45.0	Daily	24 Hour Composite
	kg/day	761.7	1142.6		
Abbreviations kg/d -kilograms per day mg/L.- milligrams per liter MGD-million gallons per day					

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

B. Spring Seasonal Requirements for Ammonia, Toxicity and Chlorine for Outfall 001

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified below. Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ.

Table 2: Seasonal Requirements for Outfall 001 for Ammonia, Acute Toxicity, and Total Residual Chlorine that Apply from March 1 through May 31.

Parameters ^(a)	Units	LIMITS		Monitoring Frequency	Sample Type
		Monthly Average	Maximum		
Interim Ammonia as Nitrogen (00610)	mg/L	Report	Report	Daily	24 Hour Composite
	kg/day	Report	Report		
Final Ammonia as Nitrogen (00610)	mg/L	15.6	40.8	Daily	24 Hour Composite
	kg/day	384.5	1005.5		
Interim Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _a	***	Report	Once per Season ^(c)	24 Hour Composite
Final Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _a	***	1.0	Once per Season ^(c)	24 Hour Composite
Total Residual Chlorine ^(d) (50060)	mg/L	0.011	0.028	Daily	Grab
	kg/day	0.27	0.69		

Abbreviations kg/day-kilograms per day mg/L- milligrams per liter MGD-million gallons per day

Footnotes

(a) See Part H for the compliance schedule to achieve final limitations.

(b) Toxicity shall be measured using the Whole Effluent Toxicity (WET) test procedures set forth in 40 CFR, Part 136 (July 1996 ed.). Also Guidance for Conducting Toxicity Testing and TIE/TRE Studies, which is an attachment to this permit.

(c) The effluent discharge shall be tested three times annually for acute toxicity with one test conducted in the spring season (Mar-May), one test conducted in the summer season (June-Oct), and one test conducted in the winter season (Nov-Feb).

(d) Monitoring for TRC is only required when chlorine is added to the treatment process. A UV disinfection system is scheduled to be installed at the Northeast WWTF in 2004. Upon installation, chlorine will no longer be used as a disinfectant except during peak flow events when the inflow to the treatment plant is greater than approximately 16 MGD. At that time, the TRC discharge will be limited by the peak flow disinfection by chlorination requirements of Section F.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

C. Summer Seasonal Requirements for Ammonia, Toxicity and Chlorine for Outfall 001

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified below. Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ.

Table 3: Seasonal Requirements for Outfall 001 for Ammonia, Acute Toxicity, and Total Residual Chlorine that Apply from June 1 through October 31.

Parameters ^(a)	Units	LIMITS		Monitoring Frequency	Sample Type
		Monthly Average	Maximum		
Interim Ammonia as Nitrogen (00610)	mg/L kg/day	Report Report	Report Report	Daily	24 Hour Composite
Final Ammonia as Nitrogen (00610)	mg/L kg/day	10.1 229.6	26.5 602.4	Daily	24 Hour Composite
Interim Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _s	***	Report	Once per Season ^(c)	24 Hour Composite
Final Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _n	***	1.0	Once per Season ^(c)	24 Hour Composite
Total Residual Chlorine ^(d) (50060)	mg/L kg/day	0.009 0.20	0.025 0.56	Daily	Grab

Abbreviations kg/day-kilograms per day mg/L- milligrams per liter MGD-million gallons per day

Footnotes

(a) See Part H for the compliance schedule to achieve final limitations.

(b) Toxicity shall be measured using the Whole Effluent Toxicity (WET) test procedures set forth in 40 CFR, Part 136 (July 1996 ed.). Also Guidance for Conducting Toxicity Testing and TIE/TRE Studies, which is an attachment to this permit.

(c) The effluent discharge shall be tested three times annually for acute toxicity with one test conducted in the spring season (Mar-May), one test conducted in the summer season (June-Oct), and one test conducted in the winter season (Nov-Feb).

(d) Monitoring for TRC is only required when chlorine is added to the treatment process. A UV disinfection system is scheduled to be installed at the Northeast WWTF in 2004. Upon installation, chlorine will no longer be used as a disinfectant except during peak flow events when the inflow to the treatment plant is greater than approximately 16 MGD. At that time, the TRC discharge will be limited by the peak flow disinfection by chlorination requirements of Section F.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)**D. Winter Seasonal Requirements for Ammonia, Toxicity and Chlorine for Outfall 001**

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified below. Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ.

Table 4: Seasonal Requirements for Outfall 001 for Ammonia, Acute Toxicity, and Total Residual Chlorine that Apply from November 1 through February 28 (29).

Parameters ^(a)	Units	LIMITS		Monitoring Frequency	Sample Type
		Monthly Average	Maximum		
Interim Ammonia as Nitrogen (00610)	mg/L	Report	Report	Daily	24 Hour Composite
	kg/day	Report	Report		
Final Ammonia as Nitrogen (00610)	mg/L	14.8	38.8	Daily	24 Hour Composite
	kg/day	364.7	956.2		
Interim Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _a	***	Report	Once per Season ^(c)	24 Hour Composite
Final Acute Toxicity ^(b) <i>Pimephales promelas</i> (61427) and <i>Ceriodaphnia sp</i> (61425)	TU _a	***	1.0	Once per Season ^(c)	24 Hour Composite
Total Residual Chlorine ^(d) (50060)	mg/L	0.010	0.026	Daily	Grab
	kg/day	0.24	0.64		

Abbreviations kg/day-kilograms per day mg/L- milligrams per liter MGD-million gallons per day

Footnotes

(a) See Part H for the compliance schedule to achieve final limitations.

(b) Toxicity shall be measured using the Whole Effluent Toxicity (WET) test procedures set forth in 40 CFR, Part 136 (July 1996 ed.). Also Guidance for Conducting Toxicity Testing and TIE/TRE Studies, which is an attachment to this permit.

(c) The effluent discharge shall be tested three times annually for acute toxicity with one test conducted in the spring season (Mar-May), one test conducted in the summer season (June-Oct), and one test conducted in the winter season (Nov-Feb).

(d) Monitoring for TRC is only required when chlorine is added to the treatment process. A UV disinfection system is scheduled to be installed at the Northeast WWTF in 2004. Upon installation, chlorine will no longer be used as a disinfectant except during peak flow events when the inflow to the treatment plant is greater than approximately 16 MGD. At that time, the TRC discharge will be limited by the peak flow disinfection by chlorination requirements of Section F.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

E. Requirements for Fecal Coliform for Outfall 001

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified below. Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ.

Table 5: Seasonal Monitoring Requirements for Outfall 001 for Fecal Coliform that Apply from May 1 through September 30.

Parameter ^(a)	Units	LIMITS		Monitoring Frequency	Sample Type
		Monthly Geometric Mean	Maximum		
Fecal Coliform Colonies ^(a) (74055)	#/100ml	200	(b)	Daily	Grab

Footnotes

(a) Invalid test results for fecal coliform colonies, such as 'too numerous to count' (TNTC) will not be accepted.

(b) Within a month, no more than 10% of the samples shall exceed 400 CFU/mL.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

F. Peak Flow Disinfection by Chlorination for Outfall 001

The requirements of this section will apply only after the UV disinfection system is installed and operating at the Northeast WWTF.

A UV disinfection system will be installed by January 1, 2004 at Lincoln Northeast WWTF, which will disinfect all normal flows, and a significant portion of the peak flows discharged from the plant. When high flows require a partial diversion of the waste stream around the UV disinfection system, the permittee shall provide alternative disinfection for that portion of the total flow that is not passing through the UV disinfection system. Disinfection of that portion of the waste stream diverted will be accomplished by using a liquid sodium hypochlorite system. The chlorinated waste stream generated from this system will be combined with the UV disinfected waste stream prior to discharge. The Total Residual Chlorine (TRC) concentration of the final effluent from the combined total discharge shall not exceed the Maximum Discharge Limit (MDL) described in Equation (1) below.

$$(1) MDL = 0.019 + 0.019 \{ Q_U (Mz) / Q_E \}$$

Where:

MDL = Maximum Limit for TRC in mg/L

Q_U = Flow of the receiving waters upstream of the discharge in MGD

Q_E = Flow of the combined effluent discharge in MGD.

Mz = Percent Mixing (10% shall be used unless site-specific data is provided)

0.019 = acute criterion for chlorine in mg/L

The background TRC is assumed to be zero.

The following data shall be collected during each high flow event in which a portion of the effluent is disinfected with chlorine. The results required below shall be reported to NDEQ on a quarterly basis as an attachment to the DMRs. Any noncompliance with the Maximum Discharge Limit for TRC shall be reported verbally to NDEQ within 24 hours and in writing within 5 days.

Table 6: Requirements for Outfall 001 when a Portion of the Effluent is Disinfected with Chlorine				
Parameters^(a)	Units	Maximum	Monitoring Frequency	Sample Type
Total Residual Chlorine ^(a) (50060)	mg/L	< MDL from Equation (1)	Daily ^(b)	Grab
Effluent Flow, Instantaneous ^(a) (50050)	MGD	Report	Daily ^(b)	Metered ^(c) (Continuous)
Stream Flow, Instantaneous ^(a) (00061)	MGD	Report	Daily ^(b)	Metered ^(c) (Continuous)
Footnotes				
(a) The sample for TRC shall be collected at least one hour after chlorination is initiated. The effluent flow and stream flow shall be recorded at the time of sample collection.				
(b) Samples for TRC shall be collected daily when chlorine is added to the wastestream and shall continue on a daily basis until chlorination ceases.				
(c) The effluent and stream flows shall be continuously monitored and recorded during the peak flow disinfection by chlorination. Sampling and flow data shall be reported to NDEQ.				

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

G. Metals Monitoring Requirements for Outfall 001

The discharge of treated sanitary wastewater from the Outfall 001, final effluent, is authorized and shall be monitored and limited as specified below. Monitoring shall be conducted by sampling after all treatment processes and prior to discharge to the receiving stream, unless an alternative or more specific monitoring point is specified by the NDEQ.

Table 7: Annual Requirements for Outfall 001 for Metals

Parameters ^(a)	Units	Limits ^(b)		Monitoring Frequency	Sample Type
		Monthly Average	Maximum		
Dissolved Cadmium (01025)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Chromium (01030)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Copper (01040)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Lead (01049)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Mercury (71890)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Nickel (01065)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Silver (01075)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)
Dissolved Zinc (01090)	mg/L	Report	Report	Once per Season ^(c)	24 Hour Composite ^(d)

Footnotes

a) When dissolved metals are determined, the sample must be filtered at the time of collection through a 0.45 micron membrane filter. Prior to sample collection, an equipment field blank should be processed in the same manner to ensure freedom from contamination.

(b) The analytical procedure used for the determination of metals limits shall have a method detection limit of at least 0.010 mg/L.

(c) The effluent discharge shall be tested three times annually for metals with one test conducted in the spring season (Mar-May), one test conducted in the summer season (June-Oct), and one test conducted in the winter season (Nov-Feb).

(d) The sample collection for metals and whole effluent toxicity must occur on the same day.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

II. Compliance Schedule for Meeting Ammonia and WET Requirements for Outfall 001

Upon issuance of this permit, the permittee shall implement the compliance schedule set forth below for meeting final limits. This schedule may be modified in accordance with Title 119, Chapter 39, and written notice from the NDEQ. The reporting requirements for ammonia and WET listed in Tables 2, 3, and 4 shall apply until The Lincoln Northeast WWTF can be routinely operated to meet the final limits listed in these tables according to the compliance schedule set forth below. The City of Lincoln shall send a report to NDEQ every 6 months outlining progress that has occurred to achieve this compliance schedule.

The Department acknowledges that during the construction phase, portions of the Treatment Facility will be unavailable, but treatment of wastewater will continue to the maximum extent possible.

1. First Year

No later than one year after the effective date of this permit, the permittee shall complete and submit to the NDEQ, the design and specifications for upgrade to the WWTF that will result in a treatment system that can routinely produce an effluent discharge that will meet the final permit ammonia and WET limits in Tables, 2, 3 and 4.

2. Second Year

No later than two years after the effective date of this permit, the permittee shall initiate the construction phase of the upgrades to the wastewater treatment system.

3. Fourth Year

No later than four years after the effective date of this permit, the permittee shall complete the construction of upgrades to the WWTF and initiate start-up procedures.

4. Fifth Year

No later than five years after the effective date of this permit, the permittee shall operate the Northeast WWTF to meet the final ammonia and whole effluent toxicity limits presented in Table 2, 3 and 4 of this permit.

Part I. Final Effluent Limitations and Monitoring Requirements (Continued)

I. Monitoring Requirements for Outfall 002

Outfall 002 provides the capability to bypass untreated influent wastewater. The untreated wastewater is discharged into Salt Creek through the treatment plant effluent outfall. This permit does not authorize the discharge of untreated wastewater through Outfall 002. Any discharge of untreated wastewater through Outfall 002 is subject to the bypass and upset regulations set forth in Appendix A.

Table 8 Requirements for Outfall 002					
Parameters	Units	Reporting		Monitoring Frequency	Sample Type^(a)
		Monthly Average	Daily Maximum		
Duration of Discharge (50037)	days	Report	Report	Quarterly	Calculated
Flow (50051)	MGD	Report	Report	Quarterly	Calculated or Metered
Footnotes					
(a) Determine duration of discharge and effluent flow rate using the best possible estimate or determination.					

Part II. Influent Monitoring Requirements

The monitoring of untreated influent wastewater is required to verify compliance with the 85% removal requirements set forth in NDEQ Title 121 - *Effluent Guidelines and Standards*; and to provide data on wastewater treatment plant loading. This permit does not authorize the discharge of influent except pursuant to the by-pass and upset conditions set forth in Appendix A. To comply with these monitoring requirements, samples shall be taken at the head-works of the wastewater treatment facility prior to the treatment system. Influent wastewater shall be monitored as specified in Table 9 below.

Parameter	Units	Influent Reporting		Monitoring Frequency	Sample Type
		Minimum	Maximum		
pH (00400)	S.U.	Report	Report	Weekly	Grab
Parameters	Units	Average	Maximum	Monitoring Frequency	Sample Type
Carbonaceous Biochemical Oxygen Demand (5 Day) (80082)	mg/L	Report	Report	Weekly	24 Hour Composite
Total Suspended Solids (00530)	mg/L	Report	Report	Weekly	24 Hour Composite

Part III. Sludge Disposal and Use Requirements

The sludge disposal requirements of this permit are set forth below. The disposal of domestic sewage sludge is subject to the requirements of 40 CFR Part 503. This is a Federal regulatory program administered by EPA Region VII. The current contact at EPA can be obtained upon request from NDEQ.

A) Approval

Submission of the Sludge Application Form, Attachment 2, constitutes notice that the Wastewater Treatment Facility intends to land apply sludge and requests approval by the NDEQ. The applicant is eligible to receive automatic approval provided the applicant indicates compliance with and understanding of the regulations and conditions contained in 40 CFR Part 503, and when all of the conditions set forth below are met, unless the Department acts to provide a conditional or circumstantial approval.

1. Sludge application is in compliance with the Federal 503 regulations, including all requirements related to vector and pathogen control;
2. Sludge is not applied within 200 feet of any actively used groundwater well, except for those used exclusively for irrigation;
3. Sludge is not being applied within 1000 feet of any public drinking water supply well; and
4. Application sites are not subject to public access.

B) Non-compliance Reporting Requirements

The permittee shall report to the NDEQ any instance(s) of noncompliance with 40 CFR Part 503. This Non-compliance Report shall be submitted to the NDEQ no later than 7 days after the permittee becomes aware of the non-compliance. The Non-compliance Report shall contain the basic information required and specified in Appendix A of this NPDES permit.

C) Withdrawal of Site Approval(s)

The Department may withdraw site approval(s) for any of the following:

1. Failure to comply with the regulations contained in 40 CFR Part 503;
2. Potential risks to surface or ground water quality;
3. Potential risks to the environment;
4. Potential risks to public health and / or welfare; and / or
5. Other site specific or facility specific considerations.

D) Sludge Monitoring Requirements

Sludge shall be monitored as specified below. A representative sample shall be collected and analyzed prior to application. A representative sample is defined as a sample that is a composite of several sludge samples within the same batch that is to be land applied.

Parameters	Units	Sludge Reporting	Measurement Frequency	Sample Type
pH (00400)	S.U.	Report	Quarterly	Composite
Ammonia (N) (82294)	mg/kg	Report	Quarterly	Composite
Total Solids (78477)	mg/kg	Report	Quarterly	Composite
Nitrate (N) (61539)	mg/kg	Report	Quarterly	Composite
Total Nitrogen (78470)	mg/kg	Report	Quarterly	Composite
Cadmium, Total (78476)	mg/kg	Report	Quarterly	Composite
Chromium, Total (78473)	mg/kg	Report	Quarterly	Composite
Copper, Total (78475)	mg/kg	Report	Quarterly	Composite
Lead, Total (78468)	mg/kg	Report	Quarterly	Composite
Nickel, Total (78469)	mg/kg	Report	Quarterly	Composite
Zinc, Total (78467)	mg/kg	Report	Quarterly	Composite
Arsenic, Total (61521)	mg/kg	Report	Quarterly	Composite
Mercury, Total (78471)	mg/kg	Report	Quarterly	Composite
Molybdenum, Total (78465)	mg/kg	Report	Quarterly	Composite
Selenium, Total (61518)	mg/kg	Report	Quarterly	Composite

Part IV. Other Requirements and Conditions

A. Requirements for removal of CBOD and TSS

The 30 day average percent removal for CBOD and TSS by the WWTF shall not be less than 85%.

B. Narrative Limits

Discharges authorized under this permit:

1. Shall not be toxic to aquatic life in surface waters of the State outside the mixing zones allowed in NDEQ Title 117- *Nebraska Surface Water Quality Standard*;
2. Shall not contain pollutants at concentrations or levels that produce objectionable films, colors, turbidity, deposits, or noxious odors in the receiving stream or waterway; and / or
3. Shall not contain pollutants at concentrations or levels that cause the occurrence of undesirable or nuisance aquatic life in the receiving stream.

C. Certified Operator Requirements

This facility is to be operated and maintained by operators certified in accordance with NDEQ Title 197 - *Rules and Regulations for the Certification of Wastewater Treatment Facility Operators in Nebraska*.

D. Method Detection Limit Reporting Requirements

The minimum detection limit (MDL) is defined as the level at which the analytical system gives acceptable calibration points. If the analytical results are below the MDL then the reported value on the DMR shall be a numerical value less than the MDL (e.g. <0.005).

E. Whole Effluent Toxicity Corrective Action

If the whole effluent toxicity tests results exceed the toxicity limitations in this permit, this is a permit violation and the permittee must initiate corrective actions according to the conditions in Attachment I, *NDEQ Guidance for Conducting Toxicity Testing and TIE/TRE Studies*.

F. Immediate Reporting Requirements

The permittee shall immediately report to the Department by telephone:

1. Evidence of a possible violation of a numeric or narrative limit in this permit;
2. Evidence that a discharge or sludge may be causing distress to fish, aquatic life, plant life, wildlife, or livestock; and / or
3. Any spills, leaks or contamination that could impact discharges authorized under this permit, or surface or ground waters.

G. Requirements for any Discharge Associated with the Wastewater Treatment Facility and Collection System

Any discharge from the wastewater treatment system must be sampled, the effluent flow determined and the discharge reported to NDEQ. This requirement applies to all discharges from the wastewater treatment system. Failure to sample and report is a permit violation. If a discharge occurs through a structure other than the outfall structure specified in this permit, NDEQ must be contacted immediately and the discharge must be sampled and flow estimated.

Part IV. Other Requirements and Conditions (continued)

II. Additional Monitoring

1. The Department may require increases in the monitoring frequencies set forth in this permit to address new information concerning a discharge, evidence of potential non-compliance, suspect water quality in a discharge, evidence of water quality impacts in the receiving stream or waterway, or other similar concerns.
2. The Department may require monitoring for additional parameters not specified in the permit to address new information concerning a discharge, evidence of potential non-compliance, suspect water quality in a discharge, evidence of water quality impacts in the receiving stream or waterway, or other similar concerns.

I. Permit Modification and Reopening

This permit may be reopened and modified after public notice and opportunity for a public hearing for reasons specified in NDEQ Title 119 - *Rules and Regulations Pertaining to the Issuance of Permits Under the National Pollutant Discharge Elimination System*, Chapter 14.

J. Permit Attachments

The attachments to this permit (e.g. forms and guidance) may be changed without a formal modification of this permit.

K. Pretreatment Requirements

An annual report shall be submitted to the NDEQ summarizing the City of Lincoln's pretreatment program to include a report on monitoring activities and a review of major permit violations. The City shall also inform the NDEQ when new Significant Industrial Users (SIU) are connected to the POTW.

APPENDIX A - Standard Conditions for NPDES and NPP Permits.

These general conditions are applicable to all NPDES and NPP permits. These conditions shall not preempt any more stringent requirements found elsewhere in this permit.

A. General Conditions

1. Information Available

All permit applications, fact sheets, permits, discharge data, monitoring reports, and any public comments concerning such shall be available to the public for inspection and copying, unless such information about methods or processes is entitled to protection as trade secrets of the owner or operator under Neb. Rev. Stat. §81-1527, (Cum. Supp. 1992) and Title 115, Chapter 4.

2. Duty to Comply

All authorized discharges shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit.

The permittee shall comply with all conditions of this permit. Failure to comply with these conditions may be grounds for administrative action or enforcement proceedings including injunctive relief and civil or criminal penalties.

The filing of a request by the permittee for a permit modification, revocation and reissuance, termination or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize, prevent or correct any adverse impact to the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as required by the NDEQ to determine the nature and impact of the noncompliant discharge.

4. Permit Actions

This permit may be modified, suspended, revoked or reissued, in part or in whole, in accordance with the regulations set forth in NDEQ Titles 119 and/or 127. In addition, this permit may be modified, revoked and reissued to incorporate standards or limitations issued pursuant to Sections 301(b)(2)(c), 301(b)(2)(d), 304(b)(2), 307(a)(2), or 405(d) of the Clean Water Act, Public Law 100-4 (i.e., industrial categorical standards and municipal sludge regulations) and Title 121.

5. Toxic Pollutants

The permittee shall not discharge pollutants to waters of the State that cause a violation of the standards established in NDEQ Titles 117, 118 or 121. All discharges to surface waters of the State shall be free of toxic (acute or chronic) substances which alone or in combination with other substances, create conditions unsuitable for aquatic life outside the appropriate mixing zone.

Appendix A (continued)

6. Oil and Hazardous Substances/Spill Notification

Nothing in this permit shall preclude the initiation of any legal action or relieve the permittee from any responsibilities, liabilities or penalties under Section 311 of the Clean Water Act. The permittee shall conform to the provisions set forth in NDEQ Title 126 in the event of a release of a reportable quantity of oil or hazardous substances. If the permittee knows, or has reason to believe, that oil or hazardous substances were released at the facility and could enter waters of the State or any of the outfall discharges authorized in this permit, the permittee shall immediately notify the Department of a release of oil or hazardous substances. During Department office hours (i.e., 8:00 a.m. to 5:00 p.m., Monday through Friday, except holidays), notification shall be made to the LUST/ER Section (telephone number 402/471-4230). When the LUST/ER Section cannot be contacted, the permittee shall report to the Nebraska State Patrol for referral to the NDEQ Emergency Response Team (telephone number 402/471-4545). It shall be the permittee's responsibility to maintain current telephone numbers necessary to carry out the notification requirements set forth above.

7. Property Rights

The issuance of this permit does not convey any property rights of any sort or any exclusive privileges nor does it authorize any damage to private property or any invasion of personal rights nor any infringement of federal, state or local laws or regulations.

8. Severability

If any provision of this permit is held invalid, the remainder of this permit shall not be affected.

9. Other Rules and Regulations Liability

The issuance of this permit in no way relieves the obligation of the permittee to comply with other rules and regulations of the Department.

10. Inspection and Entry

The permittee shall allow the Director or his authorized representative, upon the presentation of his identification and at a reasonable time:

- a. to enter upon the permittee's premises where a regulated facility or activity is located or conducted, or records are required to be kept under the terms and conditions of the permit,
- b. to have access to and copy any records required to be kept under the terms and conditions of the permit,
- c. to inspect any facilities, equipment (including monitoring and control), practices or operations regulated or required in the permit, and
- d. to sample or monitor any substances or parameters at any location.

11. Penalties

Violations of the terms and conditions of this permit may result in the initiation of criminal and/or civil actions. Civil penalties can result in fines of up to \$10,000.00 per day [Neb. Rev. Stat. §81-1508, as amended to date. Criminal penalties for willful or negligent violations of this permit may result in penalties of \$10,000.00 per day or by imprisonment. Violations may also result in federal prosecution.

Appendix A (continued)

B. Management Requirements

1. Duty to Provide Information

The permittee shall furnish to the Department within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit; or to determine compliance with this permit. The permittee shall also furnish to the Department upon request, copies of records retained as a requirement of this permit.

2. Duty to Reapply

The permittee shall apply for a reissuance of this permit, if an activity regulated by this permit is to be continued after the expiration date of this permit. The application shall be submitted at least 180 days before the expiration of this permit on an application form supplied by the Department, as set forth in NDEQ Titles 119 and/or 127.

3. Signatory Requirements

All reports and applications required by this permit or submitted to maintain compliance with this permit, shall be signed and certified as set forth in this section.

- a. Permit applications shall be signed by a **cognizant official** who meets the following criteria:
 - (1) for a corporation: by a principal executive officer of at least the level of vice-president,
 - (2) for a partnership or sole proprietorship: by a general partner or the proprietor, respectively, or
 - (3) for a municipality, state, federal or other public facility: by either a principal executive officer or highest ranking elected official.
- b. Discharge monitoring reports and other information shall be signed by the cognizant official or by an **authorized representative**.
- c. An authorized representative is designated by the cognizant official. The authorized representative is responsible for the overall operation of the facility (i.e., a plant manager, a well field operator or a wastewater treatment plant superintendent).
- d. Any change in the signatories shall be submitted to the Department, in writing, within 30 days after the change.
- e. Certification. All applications, reports and information submitted as a requirement of this permit, shall contain the following certification statement:

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Appendix A (continued)

C. Monitoring and Records

1. Representative Sampling

Samples and measurements taken as required within this permit shall be representative of the discharge. All samples shall be taken at the monitoring points specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water or substance. Monitoring points shall not be changed without notification to the Department and with the written approval of the Director.

- a. Composite sampling shall be conducted in one of the following manners:
 - (1) continuous discharge - a minimum of one discrete aliquot collected every three hours,
 - (2) less than 24 hours - a minimum of hourly discrete aliquots or a continuously drawn sample shall be collected during the discharge, or
 - (3) batch discharge - a minimum of three discrete aliquots shall be collected during each discharge.
- b. Composite samples shall be collected in one of the following manners:
 - (1) the volume of each aliquot must be proportional to either the waste stream flow at the time of sampling or the total waste stream flow since collection of the previous aliquot,
 - (2) a number of equal volume aliquots taken at varying time intervals in proportion to flow,
 - (3) a sample continuously collected in proportion to flow, and
 - (4) where flow proportional sampling is infeasible or nonrepresentative of the pollutant loadings the Department may approve the use of time composite samples.
- c. Grab samples shall consist of a single aliquot collected over a time period not exceeding 15 minutes.
- d. All sample preservation techniques shall conform to the methods adopted in NDEQ Title 121, Chapter 8, unless:
 - (1) in the case of sludge samples, alternative techniques are specified in the 40 CFR, Part 503, or
 - (2) other procedures are specified in this permit.

2. Flow Measurements

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be used to insure the accuracy and reliability of measurements. The devices shall be installed, calibrated and maintained to insure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of +/- 10% from the true discharge rates throughout the range of expected discharge volumes. Guidance in selection, installation, calibration and operation of acceptable flow measurement devices can be obtained from the following references:

- a. "Water Management Manual," U. S. Department of Interior, Bureau of Reclamation, Second Edition, Revised Reprint, 1974, 327 pp. Available from the U. S. Government Printing Office, Washington, DC 20402. Order by Catalog Number 127.19/2:W29/2, Stock Number S/N 24003-0027.

Appendix A (continued)

- b. "Flow Measurement in Open Channels and Closed Conduits," U. S. Department of Commerce, National Bureau of Standards, NBS Special Publication 434, October, 1977, 982 pp. Available in paper copy or microfiche from National Technical Information Service (NTIS), Springfield, VA 22151. Order by NTIS Number PB-273 535/5ST.
- c. "NPDES Compliance Sampling Manual," U. S. Environmental Protection Agency, Office of Water Enforcement, Publication MCD-51, May, 1988, 140 pp. Available from the General Services Administration (GSA), Centralized Mailing Lists Services, Building 41, Denver Federal Center, Denver, CO 80225.

3. Test Procedures

Test procedures used for monitoring required by this permit, shall conform to the methods adopted in NDEQ Title 121, Chapter 8 unless:

- a. in the case of sludge samples, alternative techniques are specified in the 40 CFR, Part 503, or
- b. other procedures are specified in this permit.

4. Averaging of Measurements

Averages shall be calculated as an arithmetic mean except:

- a. bacterial counts which shall be calculated as a geometric mean, or
- b. where otherwise specified by the Department.

5. Retention of Records

The permittee shall retain records of all monitoring activities for a period of at least three years (five years for sludge; see below) as set forth in NDEQ Titles 119 and/or 127. The types of records that must be retained include, but are not limited to:

- a. calibration and maintenance records,
- b. original strip chart recordings,
- c. copies of all reports required by this permit,
- d. monitoring records and information, and
- e. electronically readable data.

The permittee shall retain records of monitoring required by this permit that are related to sludge use and disposal for a period of five years or longer, as required in 40 CFR, Part 503.

6. Record Contents

Records of sampling or monitoring information shall include:

- a. the date(s), exact place, time and methods of sampling or measurements,

Appendix A (continued)

- b. the name(s) of the individual(s) who performed the sampling or measurements,
- c. the date(s) the analyses were performed,
- d. the individual(s) who performed the analyses,
- e. the analytical techniques or methods used,
- f. the results of such analyses, and
- g. laboratory data, bench sheets and other required information.

D. Reporting Requirements

1. Immediate Notification

- a. NPP permittees shall report immediately to the publicly owned treatment works (POTW), any discharge to the POTW that may result in a violation of NDEQ Title 127, Chapter 3.
- b. All permittees shall report immediately to the NDEQ:
 - (1) discharges of oil or hazardous substances which threaten waters of the State or public health and welfare, and
 - (2) discharges causing in-stream toxicity (i.e., a fish kill) or an immediate threat to human health.

Initial notification may be verbal. A written noncompliance notification shall be submitted as set forth in Section D. 3. of this Appendix.

2. 24-Hour Reporting

The permittee shall report to the NDEQ, within 24 hours of becoming aware of:

- a. any noncompliance which may endanger the environment or human health or welfare,
- b. any unanticipated bypass as set forth in NDEQ Titles 119 and/or 127,
- c. all upsets as set forth in NDEQ Titles 119 and/or 127,
- d. any discharge to a POTW that causes a violation of the prohibited discharge standards set forth in NDEQ Title 127, Chapter 3, or
- e. any noncompliance of an effluent limitation in this permit.

Initial notification may be verbal. A written noncompliance notification shall be submitted as set forth in Section D. 3. of this permit.

If sampling performed by an industrial user (NPP permittee) indicates a permit effluent violation, the permittee shall notify the Department and the city within 24 hours of becoming aware of the violation. The permittee shall resample and have it analyzed. The results of the resampling analysis shall be submitted to the Department and the city within 30 days after becoming aware of the violation.

Appendix A (continued)

3. Written Noncompliance Notification

- a. The permittee shall submit a written noncompliance report to the NDEQ:
 - (1) within five days of becoming aware of any noncompliance with the:
 - (a) NPP effluent limitations or requirements set forth in this permit, or
 - (b) NPDES toxic pollutant effluent limitations or requirements set forth in this permit.
 - (2) within seven days of becoming aware of any other noncompliance with the NPDES requirements and/or effluent limitations set forth in this permit.
- b. the written notification shall be submitted on a noncompliance form supplied by the Department and shall include:
 - (1) a description of the discharge and cause of noncompliance,
 - (2) the period of noncompliance, including exact dates and times, or if not corrected, the anticipated time the noncompliance is expected to continue, and
 - (3) the steps taken to reduce, eliminate and prevent the reoccurrence of the noncompliance.

The submittal of a written noncompliance report does not relieve the permittee of any liability from enforcement proceedings that may result from the violation of permit or regulatory requirements.

4. Quarterly Discharge Monitoring Reports (DMRs)

The permittee shall report the monitoring results required by this permit on a DMR form supplied or approved by the Department. Monitoring results shall be submitted on a quarterly basis using the reporting schedule set forth below, unless otherwise specified in this permit or by the Department.

<u>Monitoring Quarters</u>	<u>DMR Reporting Deadlines</u>
January - March	April 28
April - June	July 28
July - September	October 28
October - December	January 28

If the permittee monitors any pollutant more frequently than required by this permit, using procedures specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted on the DMR. The frequency of the analysis shall also be reported on the DMR.

5. Changes in Discharge

Any facility expansion, production increases or process modifications which will result in new or substantially increased discharges of pollutants or a change in the nature of the discharge of pollutants must be reported by the permittee 180 days prior to the expansion, increases or modifications, either by amending his original application or by submitting a new application. This permit may be modified or revoked and reissued as a result of this notification to maintain compliance with applicable state or federal regulations.

Appendix A (continued)

6. Changes in Toxic Discharges from Manufacturing, Commercial, Mining and Silvicultural Facilities

Permittees discharging from manufacturing, commercial, mining and silvicultural facilities shall report to the Department:

- a. if any toxic pollutant not limited in this permit is discharged from any NPDES outfall as a result of any activity that will or has occurred and results in its routine or frequent discharge. The Department shall be informed if that discharge exceeds the following notification levels:
 - (1) 100 micrograms per liter (0.1 mg/l) for any toxic pollutant,
 - (2) 200 micrograms per liter for acrolein and acrylonitrile (0.2 mg/l),
 - (3) 500 micrograms per liter for 2,4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol (0.5 mg/l),
 - (4) 1000 micrograms per liter for antimony (1 mg/l),
 - (5) five times the maximum concentration value reported for that pollutant in the permit application or
 - (6) an alternative level established by the Director, and
- b. if any toxic pollutant not limited in this permit is discharged from an NPDES outfall as a result of any activity that will or has occurred and results in its nonroutine discharge. The Department shall be informed if that discharge exceeds the following notification levels:
 - (1) 500 micrograms per liter (0.5 mg/l) for any toxic pollutant,
 - (2) 1000 micrograms for antimony (1 mg/l),
 - (3) ten times the maximum concentration value reported for that pollutant in the permit application, or
 - (4) an alternative level established by the Director.

7. Changes in Sludge Quality

The permittee shall provide written notice to the Department of any alteration or addition that results in a significant change in the permittee's sludge use or disposal practices. This permit may be modified or revoked and reissued as a result of this notification to maintain compliance with applicable state or federal regulations.

8. Changes of Loadings to Publicly Owned Treatment Work (POTW)

POTW's shall notify the Department of the following:

- a. any new introduction of pollutants from dischargers subject to the categorical pretreatment discharge limitations set forth in NDEQ Title 121, Chapter 2, and
- b. any substantial change in the volume or character of pollutants being introduced into the POTW.

Notification shall be made 180 days in advance whenever possible. Information on the quantity and quality of new discharges and their anticipated impact on the POTW shall be included.

Appendix A (continued)

9. Transfers

The permittee shall notify the Department at least 30 days prior to the proposed transfer of ownership of this permit or the permitted facility to another party as set forth in NDEQ Title 119, Chapter 12 and/or NDEQ Title 127, Chapter 14. The Department may modify or revoke and reissue this permit according to the regulations set forth in NDEQ Titles 119 and/or 127.

10. Compliance Schedules

The permittee shall submit a written report of compliance or noncompliance with any compliance schedule established in this permit. The written report shall be submitted within 14 days following all deadlines established in the compliance schedule. If compliance has not been achieved, the report shall include an alternative completion date, an explanation of the cause of the noncompliance and an explanation of the steps being taken to ensure future compliance. The submission of this report does not ensure the Department's acceptance of alternative compliance dates nor does it preclude the Department from initiating enforcement proceedings based upon the reported noncompliances.

E. Operation and Maintenance

1. Proper Operation and Maintenance

The permittee shall, at all times, maintain in good working order and operate as efficiently as possible, any facilities or systems of control installed by the permittee in order to achieve compliance with the terms and conditions of this permit. This would include, but not be limited to, effective performance based on designed facility removals, effective management, adequate operator staffing and training, adequate laboratory and process controls, and adequate funding which reflects proper user fee schedules.

2. Treatment System Failure and Upset

An upset is an affirmative defense to an enforcement action brought for noncompliance with technology-based permit effluent limitations if the permittee can demonstrate, through properly signed, operating logs or other relevant evidence, that:

- a. an upset occurred and the specific cause was identified,
- b. that the facility was properly operated and maintained at such time,
- c. the Department was notified within 24 hours of the permittee becoming aware of the upset, and
- d. the permittee took action to reduce, eliminate and prevent a reoccurrence of upset, including minimizing adverse impact to waters of the State.

3. Bypassing

Any diversion from or bypass of the treatment facilities is prohibited, unless:

- a. it is unavoidable to prevent loss of life, personal injury or severe property damage,
- b. no feasible alternative exists, i.e., auxiliary treatment facilities, retention of untreated wastes or maintenance during normal periods of equipment downtime,

Appendix A (continued)

- c. the permittee submits notice to the Department within 24 hours of becoming aware of the bypass or if the bypass is anticipated or should have been anticipated, the Department is notified at least ten days prior to the bypass, and
- d. the bypass is conducted under conditions determined to be necessary by the Director to minimize any adverse effects.

If the bypass is needed for regular preventative maintenance for which back-up equipment should be provided, the bypass will not be allowed. When a bypass occurs, the burden is on the permittee to demonstrate compliance with items "a" through "d" above.

Additionally, NPP permittees shall report any bypasses to the POTW. Unanticipated bypasses shall be reported immediately and anticipated bypasses shall be reported at least ten days in advance.

All NPDES permittees shall notify the general public that a bypass of the treatment system is occurring. The public notification shall include:

- a. location of the bypass,
- b. the date the bypass started,
- c. anticipated length of time the bypass will occur, and
- d. an estimate of the total volume of wastewater bypassed.

4. Removed Substances

Solids, sludge, filter backwash or other pollutants removed in the course of treatment or control of wastewater shall be disposed of at a site and in a manner approved by the Nebraska Department of Environmental Quality. The disposal of nonhazardous industrial sludges shall conform to the standards established in or to the regulations established pursuant to 40 CFR, Part 257. The disposal of sludge shall conform to the standards established in or to the regulations established pursuant to 40 CFR, Part 503. If solids are disposed of in a licensed sanitary landfill, the disposal of solids shall conform to the standards established in Title 132. Publicly owned treatment works shall dispose of sewage sludge in a manner that protects public health and the environment from any adverse effects which may occur from toxic pollutants as defined in Section 307 of the Clean Water Act. This permit may be modified or revoked and reissued to incorporate regulatory limitations established pursuant to 40 CFR, Part 503.

F. Definitions

Administrator: The Administrator of the USEPA.

Aliquot: An individual sample having a minimum volume of 100 milliliters that is collected either manually or in an automatic sampling device.

Biweekly: Once every other week.

Bimonthly: Once every other month.

Bypass: The intentional diversion of wastes from any portion of a treatment facility.

Appendix A (continued)

Daily Average: An effluent limitation that cannot be exceeded and is calculated by averaging the monitoring results for any given pollutant parameter obtained during a 24-hour day.

Department: Nebraska Department of Environmental Quality.

Director: The Director of the Nebraska Department of Environmental Quality.

Industrial User: A source of indirect discharge (a pretreatment facility).

Monthly Average: An effluent limitation that cannot be exceeded, calculated by averaging the monitoring results for any given pollutant parameter obtained during a calendar month.

Publicly Owned Treatment Works (POTW): A treatment works as defined by Section 212 of the Clean Water Act (Public Law 100-4) which is owned by the state or municipality, excluding any sewers or other conveyances not leading to a facility providing treatment.

30-Day Average: An effluent limitation that cannot be exceeded, calculated by averaging the monitoring results for any given pollutant parameter obtained during a calendar month.

Total Toxic Organics (TTO): The summation of all quantifiable values greater than 0.01 milligrams per liter (mg/l) for toxic organic compounds that may be identified elsewhere in this permit. (If this term has application in this permit, the list of toxic organic compounds will be identified; typically in the Limitations and Monitoring Section(s) or in an additional Appendix to this permit.)

Toxic Pollutant: Those pollutants or combination of pollutants, including disease causing agents, after discharge and upon exposure, ingestion, inhalation or assimilation into an organism, either directly from the environment or indirectly by ingestion through food chains will, on the basis of information available to the administrator, cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunction (including malfunctions in reproduction) or physical deformations, in such organisms or their offspring.

Upset: An exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee, excluding such factors as operational error, improperly designed or inadequate treatment facilities or improper operation and maintenance or lack thereof.

Volatile Organic Compounds (VOC): The summation of all quantifiable values greater than 0.01 milligrams per liter (mg/l) for volatile, toxic organic compounds that may be identified elsewhere in this permit. (See the definition for Total Toxic Organics above. In many instances, VOCs are defined as the volatile fraction of the TTO parameter. If the term "VOC" has application in this permit, the list of toxic organic compounds will be identified; typically in the Limitations and Monitoring Section(s) or in an additional Appendix to this permit.)

Weekly Average: An effluent limitation that cannot be exceeded, calculated by averaging the monitoring results for any given pollutant parameter obtained during a fixed calendar week. The permittee may start their week on any weekday but the weekday must remain fixed unless a change is approved by the Department.

"X" Day Average: An effluent limitation defined as the maximum allowable "X" day average of consecutive monitoring results during any monitoring period where "X" is a number in the range of one to seven days.

Appendix A (continued)

G. Abbreviations

CFR: Code of Federal Regulations

kg/Day: Kilograms per Day

MGD: Million Gallons per Day

mg/L: Milligrams per Liter

NDEQ: Nebraska Department of Environmental Quality

NDEQ Title 115: Rules of Practice and Procedure

NDEQ Title 117: Nebraska Surface Water Quality Standards

NDEQ Title 118: Ground Water Quality Standards and Use Classification

NDEQ Title 119: Rules and Regulations Pertaining to the Issuance of Permits Under the National Pollutant Discharge Elimination System

NDEQ Title 121: Effluent Guidelines and Standards

NDEQ Title 126: Rules and Regulations Pertaining to the Management of Wastes

NDEQ Title 127: Rules and Regulations Governing the Nebraska Pretreatment Program

NDEQ Title 132: Rules and Regulations Pertaining to Solid Waste Management

NPDES: National Pollutant Discharge Elimination System

NPP: Nebraska Pretreatment Program

POTW: Publicly Owned Treatment Works

ug/L: Micrograms per Liter

WWTF: Wastewater Treatment Facility

- 1) Report the noncompliance orally to NDEQ within 24 hours and take all reasonable measures necessary to reduce toxicity immediately.
- 2) Conduct a follow-up test within four weeks after the receipt of the initial noncompliant test results. The results of the follow-up test shall be submitted to NDEQ within seven days after receipt of the results.
- 3) If the follow-up test results indicate compliance with toxicity limits, then the permittee may resume the whole effluent toxicity testing schedule in this permit.
- 4) If the follow-up test results indicate noncompliance with toxicity limits and the source of toxicity is known, then the permittee shall submit a plan and schedule to attain continued compliance with the whole effluent toxicity permit limits within 30 days of receipt of the noncompliant follow-up test results.
- 5) If the follow-up test results indicate noncompliance with toxicity limits and the source of toxicity is unknown, the permittee must immediately begin developing a Toxicity Reduction Evaluation (TRE) plan. The basis for this plan and schedule shall be EPA's Toxicity Reduction Procedures, Phases 1, 2, and 3 (EPA-600/3-88/034, 035, and 036) and TRE protocol for POTWs (EPA-600/2-88/062). This TRE plan must be submitted to NDEQ for review and approval within 90 days of receipt of the noncompliant follow-up test results.

Guidance for Conducting Toxicity Testing and TIE/TRE Studies

(January 2001)



1. Test Procedures

Acute and chronic toxicity is a measure of the toxic effect that a waste water effluent may have on living organisms (i.e., *Pimephales promelas* and *Ceriodaphnia* species). Acute and chronic toxicity analyses are conducted using the EPA approved Whole Effluent Toxicity (WET) test methods set forth in 40 CFR, Part 136 (July 1996 edition). These test methods establish standardized conditions and require that certain chemical and physical analyses be conducted in conjunction with the toxicity analysis.

2. Results Reporting

Test results are reported in terms of toxic units. Acute toxic units are abbreviated T_{Ua}, and are the inverse of the LC₅₀ (i.e., the concentration of effluent that is lethal to 50% of the organisms) expressed as a decimal fraction. Chronic toxic units are abbreviated T_{Uc}, and are the inverse of the NOEC (i.e., the highest concentration of effluent at which there is no observed effect on the organisms) with respect to growth or reproductive inhibition) expressed as a decimal fraction. The tables below provide examples of the LC₅₀ and NOEC conversions to toxic units.

LC ₅₀	Decimal Fraction	T _{Ua}	NOEC	Decimal Fraction	T _{Uc}
0.1 %	0.001	1000	0.1 %	0.001	1000
1%	0.01	100	1%	0.01	100
10%	0.1	10	10%	0.1	10
25%	0.25	4	25%	0.25	4
50%	0.5	2	50%	0.5	2
100%	1	1	100%	1	1

3. Initial Response to Non-Compliance

If the permit limits for toxicity are exceeded, the permittee typically needs to perform the following actions.

- a. Submit a written non-compliance report (NCR) within 5 days. In the NCR, identify any suspect sources of the toxicity and describe any measures being taken to reduce toxicity.
- b. Conduct a follow-up toxicity testing with both organisms within four (4) weeks.

4. Return to Compliance

If the follow-up test results are in compliance with the limits in the permit, the permittee typically needs to perform the following actions.

- a. Within 30 days submit the results of the follow-up test in a written report to the NDEQ. The written report should discuss the effect of the measures taken to reduce toxicity. The report should also provide the NDEQ with a recommendation relative to their success and, if ongoing, the need to continue implementing these measures.
- b. Testing can generally be resumed on the routine schedule established in the permit, unless the NDEQ specifies otherwise. The NDEQ can require additional follow-up testing on a case-by-case basis (e.g., if there was no apparent reason why toxicity decreased). Any measures taken to reduce toxicity will generally need to be continued as Best Management Practices), unless the NDEQ provides a written approval for their discontinuance.

5. Actions to Address Continued Non-Compliance

If the follow-up toxicity test results are not in compliance with the permit limits, the permittee typically needs to perform Toxicity Identification Evaluations (TIE) and Toxicity Reduction Evaluations (TRE) as specified below. The permittee is responsible for maintaining compliance with the toxicity limits in this permit. The undertaking of the TIE/TRE process does not constitute compliance unless or until compliance with the permit limits is achieved. See explanatory note below concerning Departmental actions to address non-compliance.

- a. Development and implementation of a Toxicity Identification Evaluation (TIE) needs to begin immediately. A summary plan for the initiation of the TIE should be submitted to the NDEQ within 30 days of when the follow-up of non-compliant result is received. A meeting with the NDEQ to discuss TIE/TRE alternatives within this period is encouraged.
- b. A complete TIE/TRE schedule should be submitted to the NDEQ within 90 days. The NDEQ will seek clarification on at least some aspects of the schedule, and may request some modification.
- c. The TIE and TRE processes should continue concurrently; i.e., as the TIE process identifies toxicity sources, reasonable measures to reduce the toxicity from these sources should be taken. The TIE/TRE schedule may need to be revised in response to ongoing TIE/TRE activities.
- d. Sometimes it is possible to forego or discontinue the TIE process, and proceed directly with the TRE process. However, before abandoning the TIE process, it is important that:
 - i. the source of the toxicity be known; and
 - ii. NDEQ concurs with this approach.

-going non-compliance with a toxicity limit will typically be addressed in one of two ways depending on whether agreement can be achieved between the NDEQ and permittee on the TIE/TRE schedule and procedures. If agreement can be achieved, the NDEQ and the permittee may wish to enter into a Consent Order. If agreement can not be achieved, the NDEQ may proceed unilaterally via administrative and/or enforcement actions. In most instances, it is advantageous for all parties if a mutually agreed to TIE/TRE process can be implemented. For that reason, early meetings and discussions with the Department are encouraged.

Nebraska Department of Environmental Quality

NPDES/NPP SIGNATORY AUTHORIZATION FORM

This form is to be used to identify or update information pertaining to the facility. THIS FORM MUST BE SIGNED BY THE COGNIZANT OFFICIAL. The Cognizant Official and Authorized Representative may be the same person.

Facility Name: _____ Permit No. NE 0133671
Address: _____ City _____ Zip _____
Location (Street/Directions to) _____
Phone _____

PERMITTEE

List the *NAME* of the company, business, governmental entity, or person that owns the facility and that will be responsible for the permit compliance: _____

COGNIZANT OFFICIAL

This person is responsible for the permit, signing reapplications, signing DMRs or designating someone to sign DMRs (Authorized Representative) and other correspondence. For a municipal, only the mayor, chairperson or city manager may sign as the Cognizant Official. *See reverse side for requirements.*

Name _____ Title _____

*Mailing Address _____ City _____

State _____ Zip _____ Phone _____ Home Ph (optional) _____

AUTHORIZED REPRESENTATIVE (Do not complete if same as Cognizant Official)

This person is designated by the Cognizant Official and is responsible for receiving, completing and signing DMRs, and receiving other correspondence (i.e., city clerk, plant operator). *See reverse side for requirements.*

Name _____ Title _____

*Mailing Address _____ City _____

State _____ Zip _____ Phone _____ Home Ph (optional) _____

If You Represent this Facility as/for a Contractor, list: Contractor's Name _____

Contractor's Address _____ Phone _____

OPERATOR This person is responsible for the operation and maintenance of the plant. *See reverse side for requirements.*

Name _____ Title _____

Mailing Address _____ Phone _____

If You Represent this Facility as/for a Contractor, list: Contractor's Name _____

Contractor's Address _____ Phone _____

***Mailing Address:** DMRs will be mailed to this address. *DO NOT* use home or personal address unless necessary. Please use city/village office address or facility/corporate address, etc. This address should remain the same, even with changes in the facility's Cognizant Official or Authorized Representative.

(COMPLETE AND SIGN REVERSE SIDE)

DP ✓
John ✓
Mark ✓
HS ✓

73882-P

Nebraska Department of Environmental Quality

NPDES/NPP SIGNATORY AUTHORIZATION FORM

SEP 17 2002

This form is to be used to identify or update information pertaining to the facility. THIS FORM MUST BE SIGNED BY THE COGNIZANT OFFICIAL. The Cognizant Official and Authorized Representative may be the same person.

Facility Name: City of Lincoln Permit No. NE 0133671
Address: 555 S. 10th Street City Lincoln Zip 68508
Location (Street/Directions to) County-City Building, 10th & 'K' Streets
Phone 441-7511

PERMITTEE

List the *NAME* of the company, business, governmental entity, or person that owns the facility and that will be responsible for the permit compliance: City of Lincoln

COGNIZANT OFFICIAL

This person is responsible for the permit, signing reapplications, signing DMRs or designating someone to sign DMRs (Authorized Representative) and other correspondence. For a municipal, only the mayor, chairperson or city manager may sign as the Cognizant Official. *See reverse side for requirements.*

Name Don Wesely Title Mayor of Lincoln
*Mailing Address 555 S. 10th Street City Lincoln
State NE Zip 68508 Phone (402) 441-7511 Home Ph (optional)

AUTHORIZED REPRESENTATIVE (Do not complete if same as Cognizant Official)

This person is designated by the Cognizant Official and is responsible for receiving, completing and signing DMRs, and receiving other correspondence (i.e., city clerk, plant operator). *See reverse side for requirements.*

Name Benjamin Higgins Title Senior Engineer
Watershed Management -- Lincoln Public Works & Utilities Department
*Mailing Address 901 N. 6th Street City Lincoln
State NE Zip 68508 Phone (402)441-7589 Home Ph (optional)

If You Represent this Facility as/for a Contractor, list: Contractor's Name _____
Contractor's Address _____ Phone _____

OPERATOR This person is responsible for the operation and maintenance of the plant. *See reverse side for requirements.*

Name _____ Title _____
Mailing Address _____ Phone _____
If You Represent this Facility as/for a Contractor, list: Contractor's Name _____
Contractor's Address _____ Phone _____

***Mailing Address:** DMRs will be mailed to this address. *DO NOT* use home or personal address unless necessary. Please use city/village office address or facility/corporate address, etc. This address should remain the same, even with changes in the facility's Cognizant Official or Authorized Representative.

(COMPLETE AND SIGN REVERSE SIDE)

Nebraska Department of Environmental Quality

NPDES/NPP SIGNATORY AUTHORIZATION FORM

This form is to be used to identify or update information pertaining to the facility. THIS FORM MUST BE SIGNED BY THE COGNIZANT OFFICIAL. The Cognizant Official and Authorized Representative may be the same person.

Facility Name: _____ Permit No. NE 6112488
Address: _____ City _____ Zip _____
Location (Street/Directions to) _____
Phone _____

PERMITTEE

List the *NAME* of the company, business, governmental entity, or person that owns the facility and that will be responsible for the permit compliance: _____

COGNIZANT OFFICIAL

This person is responsible for the permit, signing reapplications, signing DMRs or designating someone to sign DMRs (Authorized Representative) and other correspondence. For a municipal, only the mayor, chairperson or city manager may sign as the Cognizant Official. *See reverse side for requirements.*

Name _____ Title _____

*Mailing Address _____ City _____

State _____ Zip _____ Phone _____ Home Ph (optional) _____

AUTHORIZED REPRESENTATIVE (Do not complete if same as Cognizant Official)

This person is designated by the Cognizant Official and is responsible for receiving, completing and signing DMRs, and receiving other correspondence (i.e., city clerk, plant operator). *See reverse side for requirements.*

Name _____ Title _____

*Mailing Address _____ City _____

State _____ Zip _____ Phone _____ Home Ph (optional) _____

If You Represent this Facility as/for a Contractor, list: Contractor's Name _____

Contractor's Address _____ Phone _____

OPERATOR This person is responsible for the operation and maintenance of the plant. *See reverse side for requirements.*

Name _____ Title _____

Mailing Address _____ Phone _____

If You Represent this Facility as/for a Contractor, list: Contractor's Name _____

Contractor's Address _____ Phone _____

***Mailing Address:** DMRs will be mailed to this address. *DO NOT* use home or personal address unless necessary. Please use city/village office address or facility/corporate address, etc. This address should remain the same, even with changes in the facility's Cognizant Official or Authorized Representative.

(COMPLETE AND SIGN REVERSE SIDE)

you
DP ✓
115 ✓
TRACK ✓

31988-P

RECEIVED
AUG 14 2002
RECEIVED
OCT 16 2002
BY:

Nebraska Department of Environmental Quality

NPDES/NPP SIGNATORY AUTHORIZATION FORM

This form is to be used to identify or update information pertaining to the facility. THIS FORM MUST BE SIGNED BY THE COGNIZANT OFFICIAL. The Cognizant Official and Authorized Representative may be the same person.

Facility Name: Northeast WWTP Permit No. NE 0112488
 Address: 7000 N. 70th Street city Lincoln zip 68509
 Location (Street/Directions to) _____
 Phone 402-441-7846

COPY

PERMITTEE

List the NAME of the company, business, governmental entity, or person that owns the facility and that will be responsible for the permit compliance: City of Lincoln, Nebraska

COGNIZANT OFFICIAL

This person is responsible for the permit, signing reapplications, signing DMRs or designating someone to sign DMRs (Authorized Representative) and other correspondence. For a municipal, only the mayor, chairperson or city manager may sign as the Cognizant Official. See reverse side for requirements.

Name Don Wesely Title Mayor
 *Mailing Address 2400 Theresa Street City Lincoln
 State NE Zip 68521 Phone 402-441-7961 Home Ph (optional) _____

AUTHORIZED REPRESENTATIVE (Do not complete if same as Cognizant Official)

This person is designated by the Cognizant Official and is responsible for receiving, completing and signing DMRs, and receiving other correspondence (i.e., city clerk, plant operator). See reverse side for requirements.

Name Randy L. Wilson Title Supt. of Water Pollution Control
 *Mailing Address 2403 Theresa Street City Lincoln
 State NE Zip 68521 Phone 402-441-7961 Home Ph (optional) _____

If You Represent this Facility as/for a Contractor, list: Contractor's Name _____
 Contractor's Address _____ Phone _____

OPERATOR This person is responsible for the operation and maintenance of the plant. See reverse side for requirements.

Name Marshall Coleman Title Asst Supt. of Operations
 Mailing Address 2403 Theresa Street Phone 402-441-7965

If You Represent this Facility as/for a Contractor, list: Contractor's Name _____
 Contractor's Address _____ Phone _____

*Mailing Address: DMRs will be mailed to this address. DO NOT use home or personal address unless necessary. Please use city/village office address or facility/corporate address, etc. This address should remain the same, even with changes in the facility's Cognizant Official or Authorized Representative.

(COMPLETE AND SIGN REVERSE SIDE)

Nebraska Department of Environmental Quality

NPDES/NPP SIGNATORY AUTHORIZATION FORM

This form is to be used to identify or update information pertaining to the facility. THIS FORM MUST BE SIGNED BY THE COGNIZANT OFFICIAL. The Cognizant Official and Authorized Representative may be the same person.

Facility Name: _____ Permit No. NE 6636820
Address: _____ City _____ Zip _____
Location (Street/Directions to) _____
Phone _____

PERMITTEE

List the *NAME* of the company, business, governmental entity, or person that owns the facility and that will be responsible for the permit compliance: _____

COGNIZANT OFFICIAL

This person is responsible for the permit, signing reapplications, signing DMRs or designating someone to sign DMRs (Authorized Representative) and other correspondence. For a municipal, only the mayor, chairperson or city manager may sign as the Cognizant Official. *See reverse side for requirements.*

Name _____ Title _____

*Mailing Address _____ City _____

State _____ Zip _____ Phone _____ Home Ph (optional) _____

AUTHORIZED REPRESENTATIVE (Do not complete if same as Cognizant Official)

This person is designated by the Cognizant Official and is responsible for receiving, completing and signing DMRs, and receiving other correspondence (i.e., city clerk, plant operator). *See reverse side for requirements.*

Name _____ Title _____

*Mailing Address _____ City _____

State _____ Zip _____ Phone _____ Home Ph (optional) _____

If You Represent this Facility as/for a Contractor, list: Contractor's Name _____

Contractor's Address _____ Phone _____

OPERATOR This person is responsible for the operation and maintenance of the plant. *See reverse side for requirements.*

Name _____ Title _____

Mailing Address _____ Phone _____

If You Represent this Facility as/for a Contractor, list: Contractor's Name _____

Contractor's Address _____ Phone _____

***Mailing Address:** DMRs will be mailed to this address. *DO NOT* use home or personal address unless necessary. Please use city/village office address or facility/corporate address, etc. This address should remain the same, even with changes in the facility's Cognizant Official or Authorized Representative.

(COMPLETE AND SIGN REVERSE SIDE)

John
DP
115
Track

32246 F

Nebraska Department of Environmental Quality

NPDES/NPP SIGNATORY AUTHORIZATION FORM

RECEIVED
RECEIVED
OCT 18 2002
AUG 14 2002

This form is to be used to identify or update information pertaining to the facility. THIS FORM MUST BE SIGNED BY THE COGNIZANT OFFICIAL. The Cognizant Official and Authorized Representative may be the same person.

Facility Name: Theresa Street WWTP Permit No. NE 0036820

Address: 2400 Theresa Street City Lincoln, NE Zip 68521

Location (Street/Directions to) _____

Phone (402)-441-7961

COPY

PERMITTEE

List the NAME of the company, business, governmental entity, or person that owns the facility and that will be responsible for the permit compliance: City of Lincoln Nebraska

COGNIZANT OFFICIAL

This person is responsible for the permit, signing reapplications, signing DMRs or designating someone to sign DMRs (Authorized Representative) and other correspondence. For a municipal, only the mayor, chairperson or city manager may sign as the Cognizant Official. See reverse side for requirements.

Name Don Wesely Title MAYOR

*Mailing Address 2400 Theresa Street City Lincoln

State NE Zip 68521 Phone 402-441-7961 Home Ph (optional) _____

AUTHORIZED REPRESENTATIVE (Do not complete if same as Cognizant Official)

This person is designated by the Cognizant Official and is responsible for receiving, completing and signing DMRs, and receiving other correspondence (i.e., city clerk, plant operator). See reverse side for requirements.

Name Randy L. Wilson Title Supt. of Water Pollution Control

*Mailing Address 2400 Theresa Street City Lincoln

State NE Zip 68521 Phone 402-441-7961 Home Ph (optional) _____

If You Represent this Facility as/for a Contractor, list: Contractor's Name _____

Contractor's Address _____ Phone _____

OPERATOR This person is responsible for the operation and maintenance of the plant. See reverse side for requirements.

Name MARSHALL COLEMAN Title ASST. Supt. of Operations

Mailing Address 2400 Theresa Street Phone 402-441-7965

If You Represent this Facility as/for a Contractor, list: Contractor's Name _____

Contractor's Address _____ Phone _____

*Mailing Address: DMRs will be mailed to this address. DO NOT use home or personal address unless necessary. Please use city/village office address or facility/corporate address, etc. This address should remain the same, even with changes in the facility's Cognizant Official or Authorized Representative.

(COMPLETE AND SIGN REVERSE SIDE)