Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

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MINOR NPDES AND STATE PERMIT MODIFICATION

issued to

Permittee: Hyponex Corporation

Location Address:
Hyponex Corporation
20 Industrial Park Road
Lebanon, CT 06249

Attention: Mark Cooper

Permit ID: CT0030431and SP0002457 **Permit Modification Expires: November 27, 2017**

This minor permit modification is issued in accordance with section 22a-430 of Chapter 446k, Connecticut General Statutes ("CGS"), section 22a-430-4(p)(5) of the Regulations of Connecticut State Agencies ("RCSA") adopted thereunder, as amended, and Section 402(b) of the Clean Water Act, as amended 33 USC 1251, et. seq., and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer a N.P.D.E.S. permit program and a modified Memorandum of Agreement (MOA) dated June 3,1981, by the Administrator of the United States Environmental Protection Agency which authorizes the State of Connecticut to administer a Pretreatment Program pursuant to 40 CFR Part 403.

The Commissioner of Environmental Protection ("the Commissioner") has made a final determination on this permit modification and found that the continuance of the existing system to treat the discharge will protect the waters of the state from pollution. The Commissioner's decision is based on Application No. 201005291 for permit modification received on August 12, 2010 and the administrative record established in the processing of that application.

Hyponex Corporation, ("Permittee"), shall comply with all conditions of Permit Nos. CT0030431 and SP0002457 issued on November 28, 2012 with the following modification:

- The Discharge Serial Number for **Table A** shall be renumbered as "101-A" in accordance with DMR reporting specifications
- The units for pH monitoring in **Table A** shall be recorded as "S.U." (Standard Units)
- The Discharge Serial Number for **Table B** shall be renumbered as "102-1" in accordance with DMR reporting specifications
- The units for pH monitoring in **Table B** shall be recorded as "S.U." (Standard Units)
- The Discharge Serial Number for **Table I** shall be renumbered as "103-1" in accordance with DMR reporting specifications
- A monitoring location shall be added for **Table I** and will be designated as "Monitoring Location: 1"

The Commissioner hereby authorizes the Permittee to discharge in accordance with the provisions of this permit modification, Permit Nos. CT0030431 and SP0002457, the above referenced application, and all approvals issued by the Commissioner or the Commissioner's authorized agent for the discharges and/or activities authorized by, or associated with, this permit.

The Commissioner reserves the right to make appropriate revisions to the permit in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions that may be authorized under the Clean Water Act or the Connecticut General Statutes or regulations adopted thereunder, as amended. The permit as

modified under this paragraph may also contain any other requirements of the Clean Water Act or Connecticut General Statutes or regulations adopted thereunder which are then applicable.

All other terms and conditions of Permit Nos. CT0030431and SP0002457 issued on November 28, 2012 shall continue in full force and effect.

This minor modification is hereby issued on December 27, 2012.

Kim E. Hudak

Kim E. Hudak, P.E.
Assistant Director
Bureau of Materials Management and
Compliance Assurance

Table A STORMWATER MONITORING

Discharge Serial Number: 101-A | **Monitoring Location:** J: Influent to Lagoon 3

Wastewater Description: Stormwater discharges associated with a commercial composting facility

Monitoring Location Description: At pumping inlet Lagoon 3

PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING These limits may not exceed fed. Categorical limits where there is no average or max day limits established			Minimum Level Test[2]
		Average Monthly Limit	Maximum Daily Limit	Sample/Reporting Frequency	Sample Type or Measurement to be reported	Instantaneous limit or required range	Sample/ Reporting Frequency	Sample Type or measurement to be reported	
Aluminum[1]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	X
Arsenic, Total	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
BOD_5	mg/l	NA	NA	NR	NA	30	Quarterly	Grab	NA
Copper, Total[1]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	X
Kjeldahl Nitrogen, Total[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Lead, Total[1]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	X
Nitrate as Nitrogen[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Oil and Grease, Total	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
pH[2]	S.U.	NA	NA	NR	NA	----	Semiannually	Grab	NA
Phosphorus, Total[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Total Suspended Solids[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Zinc, Total[1]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	X

Footnotes:

[1]See Section 6(A)(3) for minimum levels of Chemical Analysis

[2]See Section 10(D)(10) for information about benchmark monitoring and future frequency monitoring.

Remarks:

Lagoons, when empty would have capacity to store runoff generated from a 25-year, 24-hour event.

Table B STORMWATER MONITORING

Discharge Serial Number: 102-1 | **Monitoring Location:** 1

Wastewater Description: Stormwater discharge from parking lot runoff

Monitoring Location Description: Stormwater detention basin adjacent to prepack laydown lot

PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING These limits may not exceed fed. Categorical limits where there is no average or max day limits established			Minimum Level Test[2]
		Average Monthly Limit	Maximum Daily Limit	Sample/Reporting Frequency	Sample Type or Measurement to be reported	Instantaneous limit or required range	Sample/ Reporting Frequency	Sample Type or measurement to be reported	
Aquatic Toxicity, Daphnia Pulex LC50	%	NA	NA	NR	NA	----	Annually	Grab	NA
Aquatic Toxicty, Pimephales promela LC50	%	NA	NA	NR	NA	----	Annually	Grab	NA
COD[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Copper, Total[1]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	X
Kjeldahl Nitrogen, Total[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Lead, Total[1]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	X
Nitrate as Nitrogen[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Oil and Grease, Total[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
pH[2]	S.U.	NA	NA	NR	NA	----	Semiannually	Grab	NA
Phosphorus, Total[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Total Suspended Solids[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Zinc, Total[1]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	X

Footnotes:

[1] See Section 6(A) of this permit regarding Minimum Level Test.

[2]See Section 10(D)(10) for information about benchmark monitoring and future frequency monitoring.

Remarks:

The results of the Toxicity Tests shall be recorded in % survival on the DMR.

"Semiannually" means that a representative sample of the discharge shall be collected at any time during each of the following periods: January - June, inclusive and July - December, inclusive.

For the months when a sample is not collected, the Discharge Monitoring Report shall be submitted with the comment, "Monitoring Conditional".

Table I SURFACE WATER MONITORING									
Discharge Serial Number: 103-1					**Surface Water Sampling Point:** Effluent of Lagoon 3 **Monitoring Location:** 1				
Wastewater Description: overflow of wastewater (stormwater) from commercial composting activity collected in lagoon 3									
Monitoring Location Description: discharge at the diversion structure at the south end of lagoon 3									
PARAMETER	**UNITS**	**FLOW/TIME BASED MONITORING**				**INSTANTANEOUS MONITORING These limits may not exceed fed. Categorical limits where there is no average or max day limits established**			**Minimum Level Test[2]**
		Average Monthly Limit	Maximum Daily Limit	Sample/Reporting Frequency	Sample Type or Measurement to be reported	Instantaneous limit or required range	Sample/ Reporting Frequency	Sample Type or measurement to be reported	
Aluminum[1]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	0.01
Aquatic Toxicity, Daphnia Pulex NOAEL = 100%	%	NA	NA	NR	NA	≥ 90%	Annually	Grab	NA
Aquatic Toxicty, Pimephales promela NOAEL=100%	%	NA	NA	NR	NA	≥ 90%	Annually	Grab	NA
Arsenic, Total	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
BOD_5	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
COD	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Copper[1]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	0.005
Nitrogen, Ammonia	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Nitrogen, Nitrate[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Nitrogen, Nitrite	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Nitrogen, Total	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Nitrogen, Total Kjeldahl[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
pH[2]	S.U.	NA	NA	NR	NA	---	Semiannually	Instantaneous	NA
Phosphorus, Total[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Total Suspended Solids[2]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	NA
Zinc[1]	mg/l	NA	NA	NR	NA	----	Semiannually	Grab	0.01

Footnotes:

[1] See Section 6(A) of this permit regarding Minimum Level Test.

[2] See Section 10(D)(10) for information about benchmark monitoring.

Remarks:

"Semiannually" means that a representative sample of the discharge shall be collected at any time during each of the following periods: January - June, inclusive and July - December, inclusive.

For the months when a sample is not collected, the Discharge Monitoring Report shall be submitted with the comment, "Monitoring Conditional".