



City of Wyoming

Clean Water Plant

2350 Ivanrest S.W. • Grandville, MI 49418-1197

TELEPHONE 616/261-3550
FAX 616/261-3590

7 June 2000

Ms Laura Rauwerda
MDEQ Surface Water Quality Division
350 Ottawa NW
Grand Rapids MI 49503

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Dear Ms. Rauwerda

Enclosed please find the City of Wyoming Clean Water Plant's completed application for a Residuals Management Program (RMP). It is my understanding that under the new Michigan rules covering biosolids, your office will now handle all reporting related to biosolids that we formerly directed to US EPA. We are curious to know when this change will take effect.

I am confident you will find our application replete with many attachments, explanations, supplements, etc. If you should require any further information please do not hesitate to call me at 616.261.3562.

Sincerely

Myron Erickson
Environmental Services Supervisor

c: Mr. Thomas Brasher, US EPA (w/ enclosure)

State of Michigan Biosolids Land Application Program

Facility Name
City of Wyoming Clean Water Plant

Residuals Management Program Development Document

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**SURFACE WATER QUALITY DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY**

PURPOSE

The Michigan Biosolids Program establishes standards for the land application and beneficial recycling of biosolids in the state. Any treatment works treating domestic sewage proposing to land apply biosolids in the state shall prepare the enclosed Residuals Management Program (RMP) Guidance Document to obtain authorization. Authorization is required under the auspices of either an individual NPDES Permit or General Permit "Certificate of Coverage" (COC), dependent upon the type of permit held by the generating facility proposing to land apply.

For assistance on completing any section in this document you may contact the appropriate DEQ Surface Water Quality Division (SWQD) Office listed in Appendix A.

Industrial or commercial facilities with process wastewater entering the waste stream do not qualify for issuance of a biosolids land application permit. Contact the DEQ Waste Management Division in the appropriate district office for information on handling commercial or industrial wastes.

AUTHORITY

The Part 24 Rules, Land Application of Biosolids, of Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, (NREPA) provide authority to issue Biosolids Land Application Permits. Completion and subsequent approval of this document meets the RMP requirements contained in Rule 2403, Land Application Permit of the Part 24 Rules. Failure to prepare and submit an RMP prior to land applying biosolids is a violation of Part 24 Rules and may result in penalties for such violation.

Rule 2403.

- (1) A generator or distributor shall have a valid permit before commencing any biosolids land application or distribution activity in the state of Michigan.
- (2) A generator or distributor shall submit a permit application on a form provided by the DEQ not less than 180 days before expiration of an existing permit, commencement of biosolids land application, or distribution of a biosolids derivative, except at retail.
- (3) All of the following provisions apply to a residuals management program:
 - (a) A generator shall submit a residuals management program for approval by the DEQ as required by its permit.
 - (b) A residuals management program submitted to the DEQ shall include all of the following information:
 - (i) Size and type of generating facility.
 - (ii) One year of records representing the volume and concentrations of pollutants in the biosolids.
 - (iii) Treatment process origin, for example, primary or secondary treatment and the volume of biosolids generated from each process.
 - (iv) A description of the treatment processes.
 - (v) Storage volume.
 - (vi) Transportation methods and spill prevention plan.
 - (vii) Land application method.
 - (viii) Land application site list.
 - (ix) Land application plan.
 - (x) Pathogen reduction method.
 - (xi) Vector attraction reduction method.
 - (xii) Monitoring program.
 - (c) Upon approval by the DEQ, the generating facility shall implement the approved residuals management program.
 - (d) A generating facility may modify the approved residuals management program by submitting a proposed modification to the DEQ for approval. The modification shall become effective upon approval by the DEQ.
- (4) A person shall land apply biosolids or prepare biosolids for land application in accordance with the requirements established in these rules.

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The Michigan Department of Environmental Quality (DEQ) will not discriminate against any individual or group on the basis of race, sex, religion, age, national origin, color, marital status, disability, or political beliefs. Questions or concerns should be directed to the Office of Personnel Services, PO Box 30473, Lansing MI 48909

RESIDUALS MANAGEMENT PROGRAM

SECTION I – GENERAL INFORMATION

PLEASE TYPE OR PRINT

1. NPDES or COC NUMBER MI0024392			4. FACILITY MAILING ADDRESS Street Address or P.O. Box (or check box to use address corresponding to item number <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3)		
2. GENERATOR NAME AND MAILING ADDRESS Name City of Wyoming Clean Water Plant Superintendent, CEO, Principal Executive Officer Name Dan Wolz, Plant Superintendent			Additional Street Address or P.O. Box Information		
Street Address or P.O. Box 2350 Ivanrest SW			City or Village	State	ZIP Code
City or Village Grandville	State MI	ZIP Code 49418	5. BIOSOLIDS CONTACT PERSON Name (if different than Item 2) Myron Erickson		
Telephone (include area code) 616.261.3550			Title Environmental Services Supervisor		
3. FACILITY NAME AND LOCATION (if different) Name			ADDRESS Street Address or P.O. Box (or check box to use address corresponding to item number <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4)		
Street Address			City or Village		
Additional Street Address			State		
City or Village			ZIP Code		
Latitude (nearest 15 seconds)			Telephone (include area code)		
Longitude			Fax Number (with area code)		
Telephone (include area code)			6. Type of Treatment Facility		
Fax Number (include area code)			Publicly owned treatment works <input checked="" type="checkbox"/> Privately owned treatment works <input type="checkbox"/>		
Email Address (if any)			Federally owned treatment works <input type="checkbox"/> Blending or treatment operation <input type="checkbox"/>		
			State owned treatment works <input type="checkbox"/> Tribal owned treatment works <input type="checkbox"/>		
			Other <input type="checkbox"/> explain:		
7. LAND APPLICATION REPORT FORMS Check the box that corresponds to the address (above) to which forms should be mailed. <input type="checkbox"/> 2 – Applicant Name & Mailing Address <input type="checkbox"/> 3 - Facility Name & Location <input type="checkbox"/> 4 - Facility Mailing Address <input checked="" type="checkbox"/> 5 - Contact Person SEND FORMS TO THE ATTENTION OF: Myron Erickson					
8. Provide the names, addresses and telephone numbers of the Land Application Contractors used by the facility, if applicable.					
Name of Contractor:	Synagro Midwest				
Address:	323 Martindale Street				
City, State, ZipCode:	Sparta MI 49345				
Telephone:					
Name of Contractor:					
Address:					
City, State, ZipCode:					
Telephone:					

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RESIDUALS MANAGEMENT PROGRAM

SECTION I – GENERAL INFORMATION

PLEASE TYPE OR PRINT

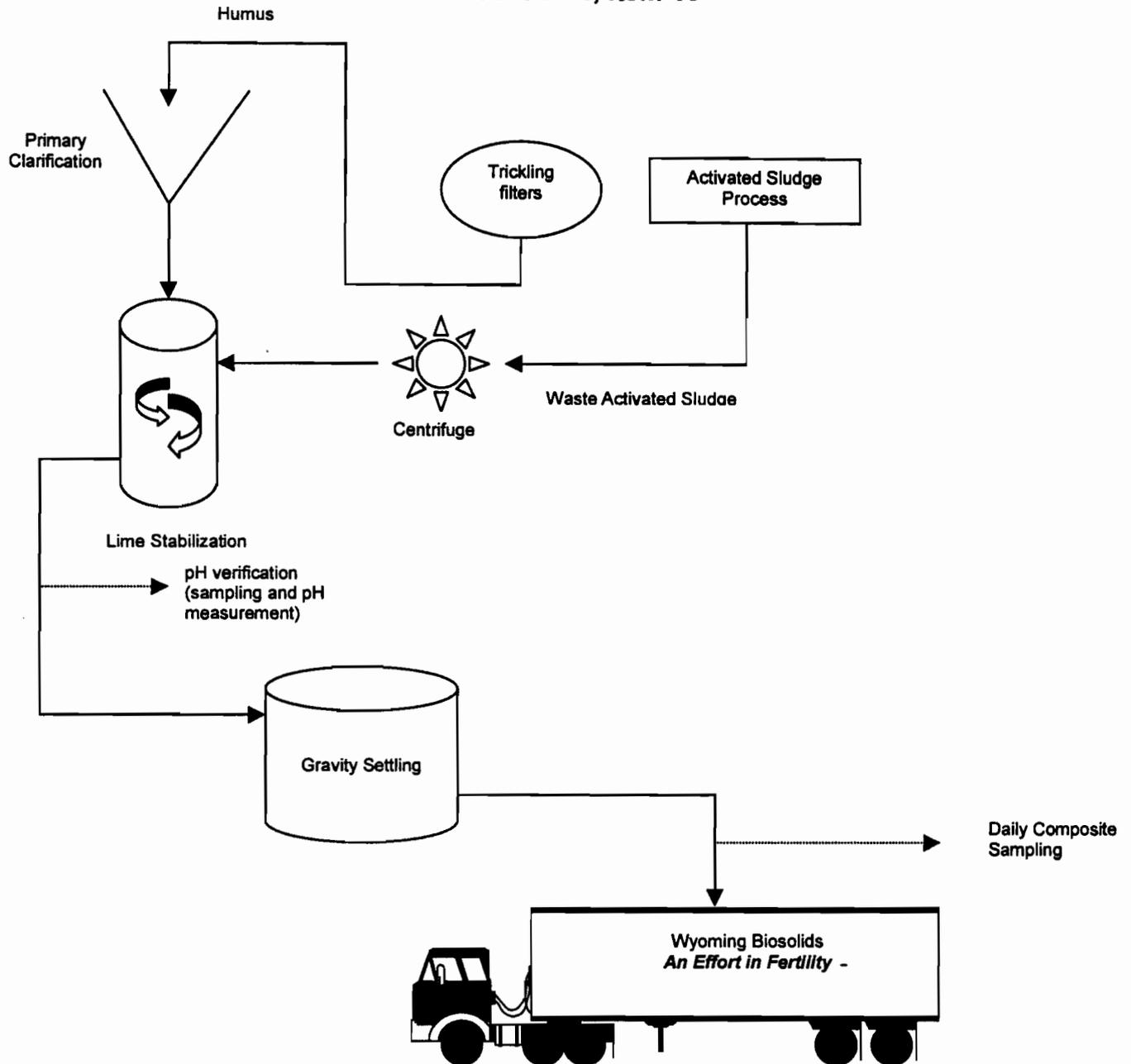
FACILITY NAME Wyoming Clean Water Plant	NPDES or COC PERMIT NUMBER MI0024392
9. RESIDUALS HANDLING Provide total English dry tons per 365-day period of biosolids handled under the following practices: Amount generated at the facility: <u>8070</u> Amount received from off site: <u>0</u> Amount treated on site (including blending): <u>8070</u> Amount sold or given away in a bag or other container for application to the land: <u>0</u> Amount of bulk biosolids shipped off site for treatment or for sale/give-away in a bag or other container for application to the land: <u>0</u> Amount applied to land in bulk form: <u>8070</u> Amount fired in biosolids incinerator: <u>0</u> Amount sent to municipal solid waste landfill: <u>0</u> Amount used or disposed by another practice: <u>0</u> Describe: _____ _____ _____ _____ _____	10. RESIDUALS STORAGE Enter the volume of residual storage capacity at this facility. 6.5 <input checked="" type="checkbox"/> million gallons or <input type="checkbox"/> cubic feet 11. WASTEWATER FLOW RATE Provide design and actual flow rates in million gallons per day (MGD). Design flow <u>19</u> MGD Average Actual Flow <u>16</u> MGD 12. SERVICE AREA Enter the population serviced or NA if not applicable. <u>102000</u> 13. INDUSTRIAL PRETREATMENT PROGRAM Does the generating facility have, or are they required to have, an Industrial Pretreatment Program? (See Appendix B) <input checked="" type="checkbox"/> Yes – On attached sheet provide list of Significant Industrial Users and list of pollutants monitored. No – Continue with item 14. 14. SEPTAGE Does your facility accept septage? <input checked="" type="checkbox"/> Yes – Estimate amount received monthly 30000 gal. No – Continue with item 15. 15. BLENDING AND TREATMENT FACILITIES Are (or will) biosolids from another facility (not including septage) be sent to your facility for treatment (including blending) or placement in a bag or other container for sale or give-away? Yes – Contact the Pretreatment and Biosolids Unit, Lansing <input checked="" type="checkbox"/> No – Continue with item 16.
16. SOLIDS FLOW DIAGRAM, NARRATIVE DESCRIPTION, and PRODUCTION DATA Provide a flow diagram (using 8 1/2" x 11" paper if possible) showing the solids handling process through the facility. Identify all treatment units and sampling points. Please attach this diagram. Include a narrative description of all solids handling through the facility and provide solids production data of solids unit processes. Provide detailed information on residuals stabilization process including all solids handling unit processes (i.e. collection, dewatering, digestion, chemical feeds, storage). Include a narrative that briefly describes the history of the residuals handling practices at the treatment facility and any future plans for upgrade. OPTIONAL- To assist in calculating production data for your facility, Excel spreadsheets of various processes have been developed by the DEQ Operator Training Unit and are available from the appropriate DEQ SWQD Office listed in Appendix A or via the biosolids homepage at http://www.deq.state.mi.us/swq/ . If you are an industrial or commercial facility treating domestic sewage sludge only, the line diagram shall include all operations contributing wastewater including process and production areas, sanitary flows, cooling water and storm water runoff. Include a narrative, which provides a brief description of the manufacturing processes.	

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Section 1, Item 16



This diagram shows how solid residuals flow through the Wyoming Clean Water Plant. All arrows represent solids (wastewater flows are not shown).

Primary sludge includes phosphorus precipitated by ferric chloride, trickling filter humus, and primary solids. This sludge is co-mingled with centrifuged waste activated sludge and lime stabilized. Stabilized sludge is pumped to storage tanks and allowed to gravity settle. Supernate is decanted and the settled biosolids are hauled to the field.

Approximately 6.6 million gallons (~270,000 dry lbs) of waste activated sludge and 2.8 million gallons (~1,000,000 dry lbs) of primary sludge are generated each month.

RESIDUALS MANAGEMENT PROGRAM**SECTION II – BIOSOLIDS CHARACTERIZATION**

PLEASE TYPE OR PRINT

FACILITY NAME Wyoming Clean Water Plant				NPDES or COC PERMIT NUMBER MI0024392			
1. BIOSOLIDS CHARACTERISTICS Report one year biosolids monitoring data, and in no case less than three sampling events for the following Part 24 rules required parameters. Provide the actual analytical data sheets as an attachment. All sampling shall be representative of the biosolids being proposed to be applied to the land and in accordance with the minimum sample frequencies provided on the Page 10. Analytical methods shall be in accordance with R 323.2406 (2) Methods for Biosolids. Data that is available for parameters not specifically listed on this page shall be provided in the Pollutants of Concern table on page 4, Item 3 of this section.							
Parameter	Average Monthly Concentration	Maximum Monthly Concentration	Units	Number of Analyses	Method Detection Limit	Test Method	Sample Type
Inorganics							
Total Solids	6.0	8.1	%	12	-----	STM2540B	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Arsenic	4.7	14.6	Mg/kg	12	0.0069	EPA6010B	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Cadmium	1.0	2.12	Mg/kg	12	0.00048	EPA6010B	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Copper	205	244	Mg/kg	12	0.0026	EPA6010B	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Lead	26.5	68	Mg/kg	12	0.0042	EPA6010B	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Mercury	0.25	0.55	Mg/kg	12	0.0001	SW 8467	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Molybdenum	9.9	13.2	Mg/kg	12	0.00095	EPA6010B	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Nickel	42.5	52	Mg/kg	12	0.0017	EPA6010B	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Selenium	9.7	12	Mg/kg	12	0.01	EPA6010B	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Zinc	388	444	Mg/kg	12	0.0023	EPA6010B	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Nutrients							
Total Kjeldahl Nitrogen	3.17	3.83	%	12	-----	STM4500	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Ammonium Nitrogen	0.3	0.85	%	12	0.05	STM4500	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Phosphorus	1.6	1.9	%	12	0.0092	EPA 365.3	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite
Total Potassium	0.25	0.39	%	12	0.0076	EPA6010B	<input type="checkbox"/> Grab <input checked="" type="checkbox"/> Composite

Attachment to Section II, Biosolids Characterization, Item 3, Pollutants of Concern

Compound	Average Monthly Concentration	MDL	Maximum Concentration	Units	Number	Sample Type	Analytical Method*
N-nitrosodimethylamine		< MDL 0.32		mg/kg		Grab	EPA 8270 C
bis (2-chloroethyl) ether		< MDL 0.55		mg/kg		Grab	EPA 8270 C
1,3-Dichlorobenzene		< MDL 0.63		mg/kg		Grab	EPA 8270 C
1,4-Dichlorobenzene		< MDL 0.72		mg/kg		Grab	EPA 8270 C
1,2-Dichlorobenzene		< MDL 0.67		mg/kg		Grab	EPA 8270 C
bis (2-chloroisopropyl) ether		< MDL 0.52		mg/kg		Grab	EPA 8270 C
N-nitrosodi-n-propylamine		< MDL 0.35		mg/kg		Grab	EPA 8270 C
Hexachloroethane		< MDL 0.68		mg/kg		Grab	EPA 8270 C
Nitrobenzene		< MDL 0.38		mg/kg		Grab	EPA 8270 C
Isophorone		< MDL 0.3		mg/kg		Grab	EPA 8270 C
bis (2-chloroethoxy) methane		< MDL 0.27		mg/kg		Grab	EPA 8270 C
Benzoic acid		< MDL 10.69		mg/kg		Grab	EPA 8270 C
1,2,4-Trichlorobenzene		< MDL 0.45		mg/kg		Grab	EPA 8270 C
Naphthalene		< MDL 0.31		mg/kg		Grab	EPA 8270 C
Hexachlorobutadiene		< MDL 0.62		mg/kg		Grab	EPA 8270 C
2-Methylnaphthalene		< MDL 0.24		mg/kg		Grab	EPA 8270 C
Hexachlorocyclopentadiene		< MDL 3.66		mg/kg		Grab	EPA 8270 C
2-Chloronaphthalene		< MDL 0.16		mg/kg		Grab	EPA 8270 C
Dimethyl phthalate		< MDL 0.16		mg/kg		Grab	EPA 8270 C
2,6-Dinitrotoluene		< MDL 0.22		mg/kg		Grab	EPA 8270 C
Acenaphthylene		< MDL 0.14		mg/kg		Grab	EPA 8270 C
Acenaphthene		< MDL 0.16		mg/kg		Grab	EPA 8270 C
2,4-Dinitrotoluene		< MDL 0.14		mg/kg		Grab	EPA 8270 C
Diethyl phthalate	< 0.58	0.14	3.16	mg/kg	8	Grab	EPA 8270 C
4-Chlorophenyl phenyl ether		< MDL 0.16		mg/kg		Grab	EPA 8270 C
Fluorene		< MDL 0.06		mg/kg		Grab	EPA 8270 C
N-nitrosodiphenylamine	< 0.16	0.13	0.4	mg/kg	8	Grab	EPA 8270 C
1,2-Diphenylhydrazine		< MDL 0.12		mg/kg		Grab	EPA 8270 C
4-Bromophenyl phenyl ether		< MDL 0.12		mg/kg		Grab	EPA 8270 C
alpha BHC		< MDL 0.26		mg/kg		Grab	EPA 8270 C
Hexachlorobenzene		< MDL 0.17		mg/kg		Grab	EPA 8270 C
beta BHC		< MDL 0.19		mg/kg		Grab	EPA 8270 C
gamma BHC (Lindane)		< MDL 0.15		mg/kg		Grab	EPA 8270 C
Phenanthrene		< MDL 0.09		mg/kg		Grab	EPA 8270 C
Anthracene		< MDL 0.08		mg/kg		Grab	EPA 8270 C
delta BHC		< MDL 0.2		mg/kg		Grab	EPA 8270 C
Heptachlor		< MDL 0.24		mg/kg		Grab	EPA 8270 C
Di-n-butyl phthalate	< 7.50	0.16	17.09	mg/kg	8	Grab	EPA 8270 C
Aldrin		< MDL 0.32		mg/kg		Grab	EPA 8270 C
Heptachlor epoxide		< MDL 0.26		mg/kg		Grab	EPA 8270 C
Fluoranthene		< MDL 0.1		mg/kg		Grab	EPA 8270 C
gamma Chlordane		< MDL 0.9		mg/kg		Grab	EPA 8270 C
Benzidine		< MDL 11.34		mg/kg		Grab	EPA 8270 C
alpha Chlordane		< MDL 0.81		mg/kg		Grab	EPA 8270 C
Endosulfan II		< MDL 1.44		mg/kg		Grab	EPA 8270 C
Pyrene		< MDL 0.3		mg/kg		Grab	EPA 8270 C
4,4-DDE		< MDL 0.38		mg/kg		Grab	EPA 8270 C
Dieldrin		< MDL 0.87		mg/kg		Grab	EPA 8270 C
Endrin		< MDL 0.97		mg/kg		Grab	EPA 8270 C
4,4-DDD		< MDL 0.21		mg/kg		Grab	EPA 8270 C
Endosulfan I		< MDL 0.56		mg/kg		Grab	EPA 8270 C
Endrin aldehyde		< MDL 1.06		mg/kg		Grab	EPA 8270 C
Benzyl butyl phthalate	< 4.42	0.3	8.4	mg/kg	8	Grab	EPA 8270 C
4,4-DDT		< MDL 0.14		mg/kg		Grab	EPA 8270 C
Endosulfan sulfate		< MDL 0.8		mg/kg		Grab	EPA 8270 C

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* EPA 3550 is used to extract the samples prior to GC/MS analysis

Attachment to Section II, Biosolids Characterization, Item 3, Pollutants of Concern

Endrin ketone	< MDL	1.13		mg/kg		Grab	EPA 8270 C
Methoxychlor	< MDL	1.94		mg/kg		Grab	EPA 8270 C
3,3-Dichlorobenzidine	< MDL	0.84		mg/kg		Grab	EPA 8270 C
Benzo (a) anthracene	< MDL	0.09		mg/kg		Grab	EPA 8270 C
bis (2-ethylhexyl) phthalate	85.34	0.66	122.42	mg/kg	8	Grab	EPA 8270 C
Chrysene	< MDL	0.26		mg/kg		Grab	EPA 8270 C
Di-n-octyl phthalate	< 2.46	0.17	4.02	mg/kg	8	Grab	EPA 8270 C
Benzo (b) fluoranthene	< MDL	0.25		mg/kg		Grab	EPA 8270 C
Benzo (k) fluoranthene	< MDL	0.15		mg/kg		Grab	EPA 8270 C
Benzo (a) pyrene	< MDL	0.15		mg/kg		Grab	EPA 8270 C
Indeno (1,2,3-cd) pyrene	< MDL	0.67		mg/kg		Grab	EPA 8270 C
Dibenzo (a,h) anthracene	< MDL	0.83		mg/kg		Grab	EPA 8270 C
Benzo (g,h,l) perylene	< MDL	1.24		mg/kg		Grab	EPA 8270 C
Phenol	< 5.73	0.34	22.54	mg/kg	8	Grab	EPA 8270 C
2-Chlorophenol	< MDL	0.26		mg/kg		Grab	EPA 8270 C
2-Methylphenol	< MDL	0.48		mg/kg		Grab	EPA 8270 C
3 and 4-Methylphenol	< 11.8	0.54	20.42	mg/kg	8	Grab	EPA 8270 C
2-Nitrophenol	< MDL	0.17		mg/kg		Grab	EPA 8270 C
2,4-Dimethylphenol	< MDL	0.45		mg/kg		Grab	EPA 8270 C
2,4-Dichlorophenol	< MDL	0.32		mg/kg		Grab	EPA 8270 C
4-Chloro-3-methylphenol	< MDL	0.47		mg/kg		Grab	EPA 8270 C
2,4,6-Trichlorophenol	< MDL	0.16		mg/kg		Grab	EPA 8270 C
2,4,5-Trichlorophenol	< MDL	0.24		mg/kg		Grab	EPA 8270 C
2,4-Dinitrophenol	< MDL	20.31		mg/kg		Grab	EPA 8270 C
4-Nitrophenol	< MDL	4.09		mg/kg		Grab	EPA 8270 C
2-Methyl-4,6-dinitrophenol	< MDL	11.58		mg/kg		Grab	EPA 8270 C
Pentachlorophenol	< MDL	25.53		mg/kg		Grab	EPA 8270 C
Pyridine	< MDL	2.4		mg/kg		Grab	EPA 8270 C

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RESIDUALS MANAGEMENT PROGRAM

SECTION III – LAND APPLICATION PLAN

Instructions for completing Section III.

The information provided in this Land Application Plan section outlines the generating facility's RMP. In addition to requirements set forth in the Michigan Part 24 Biosolids Rules, the information provided (except items marked **Optional**) represent enforceable commitments to manage the land application program in the manner indicated. If changes in circumstances arise, opportunities do exist to request modification to approved RMPs during the biosolids permit cycle.

Although land application contractors are commonly utilized to handle many operational aspects of land application programs, each facility is required to take an active role in managing and overseeing certain administrative aspects of their land application program. Although the DEQ may hold contractors responsible for certain violations of Part 24 rules, the generating facility is responsible for ensuring compliance with state and federal statutes and the conditions found in the approved RMP.

- A. **Biosolids Treatment** - Identify the exact alternatives used at the facility to meet Pathogen Reduction and Vector Attraction Reduction requirements and include the appropriate documentation to demonstrate compliance with those conditions. If your facility utilizes more than one alternative to meet the requirements, indicate all that apply. Provide additional information on attached sheets.
- B. **Procedures** – General programmatic information outlining the facilities biosolids operating procedures.
- C. **Site Information** – Information specific to your land application sites and overall site management.

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RESIDUALS MANAGEMENT PROGRAM

SECTION III – LAND APPLICATION PLAN

A. Biosolids Treatment

PLEASE TYPE OR PRINT

<p>FACILITY NAME Wyoming Clean Water Plant</p>	<p>NPDES or COC PERMIT NUMBER MI0024392</p>
<p>1. PATHOGEN / VECTOR ATTRACTION REDUCTION Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce pathogen and vector attraction properties in biosolids: Lime addition to pH for 2 hours, 11.5 for total of 24 hours</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer.</p>	<p>5. VECTOR ATTRACTION REDUCTION Which vector attraction reduction option(s) is met for the biosolids at your facility? Attach the appropriate certification statement(s) (Appendix C) and documentation to demonstrate compliance.</p> <p><input type="checkbox"/> Option 1 (minimum 38 percent reduction in volatile solids) <input type="checkbox"/> Option 2 (Anaerobic process, with bench-scale demonstration) <input type="checkbox"/> Option 3 (Aerobic process, with bench-scale demonstration) <input type="checkbox"/> Option 4 (Specific oxygen uptake rate, aerobically digested) <input type="checkbox"/> Option 5 (Aerobic process plus raised temperature) <input type="checkbox"/> Option 6 (Raise pH to 12 and retain at 11.5) <input type="checkbox"/> Option 7 (75% solids with no unstabilized solids) <input type="checkbox"/> Option 8 (90% solids with unstabilized solids) <input checked="" type="checkbox"/> Option 9 (Injection below land surface) <input type="checkbox"/> Option 10 (Covering active sewage sludge unit daily)</p>
<p>2. PATHOGEN REDUCTION Which class of pathogen reduction does the biosolids meet at your facility?</p> <p><input type="checkbox"/> Class A - Continue with item 3. <input checked="" type="checkbox"/> Class B - Continue with item 4.</p>	<p>6. Describe, on this form or another sheet of paper, any secondary modes used at your facility to meet vector attraction reduction requirements: In addition to sub-surface injection, Wyoming also utilizes Option 6, lime addition to pH 12 and held at pH 11.5</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer.</p> <div style="text-align: center;"> <p>RECEIVED</p> <p>JUN 09 2000</p> <p>SURFACE WATER QUALITY DIV. GRAND RAPIDS</p> </div>
<p>3. CLASS A BIOSOLIDS If Class A, check the alternative used and attach the appropriate certification statement(s) (Appendix C) and documentation demonstrating compliance.</p> <p><input type="checkbox"/> Class A – Alternative 1 <input type="checkbox"/> Class A – Alternative 2 <input type="checkbox"/> Class A – Alternative 3 <input type="checkbox"/> Class A – Alternative 4 <input type="checkbox"/> Class A – Alternative 5 (indicate which PFRP) <input type="checkbox"/> (a) composting <input type="checkbox"/> (b) heat drying <input type="checkbox"/> (c) heat treatment <input type="checkbox"/> (d) thermophilic aerobic digestion <input type="checkbox"/> (e) beta ray irradiation <input type="checkbox"/> (f) gamma ray irradiation <input type="checkbox"/> (g) pasteurization <input type="checkbox"/> Class A – Alternative 6 (attach PFRP equivalent documentation)</p>	

CERTIFICATION
503.17 (a) (4) (ii) (A)

I certify, under penalty of law, that the management practices in 503.14, the site restrictions in 503.32 (b) (5), and the vector attraction reduction requirements in 503.33 (b) (9), have been met for each site on which bulk sewage sludge is applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices and site restrictions and vector attraction reduction requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

(B) Description of how the Management Practices in 503.14 are met:

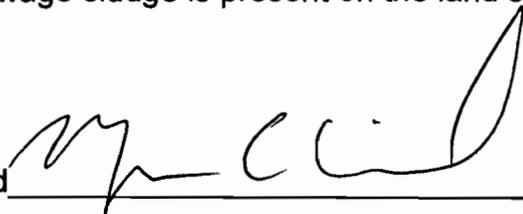
Biosolids are applied to agricultural land by injection under the soil surface. Application is restricted to slopes under 7%, greater than 10 meters from waters of the United States, ground water must be at least 30 inches below the soil surface, and biosolids are applied at equal or less than the agronomic rate for the crop grown on the site.

(C) Description of how Site Restrictions in 503.32 (b) (5) are met:

Biosolids are applied on field by injection under the soil surface. Fields are used for feed crops only. Application occurs prior to the growing season to provide over 30 days prior to harvest. Animal grazing and public access are not allowed on the fields. Land owners limit access to the fields to crop production only.

(D) Description of how Vector Attraction Reduction is met:

Biosolids are injected below the soil surface of the land. Requirement 503.33 (b) (9) is used. Injection is accomplished by a sludge injection vehicle. No significant amount of the sewage sludge is present on the land surface after application.

Signed  Title Environmental Serv. Supervisor

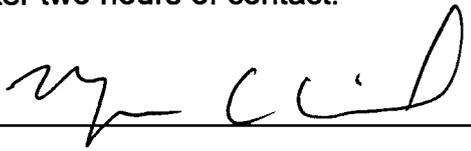
Date 01 Feb 2001

CERTIFICATION
503.17 (a) (4) (i) (B)

I certify under penalty of law, that the Class B pathogen requirements in 503.32 (b) have been met. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

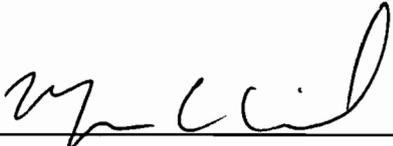
(C) Description of how the Class B Pathogen requirement in 503.32 (b) are met:

Sewage sludge that is disposed is treated by Lime Stabilization, one of the Processes to Significantly Reduce Pathogens described in Appendix B. Sufficient lime is added to the sewage sludge to raise the pH of the sewage sludge to 12 @ 25° C (ATC probe is used) after two hours of contact.

Signed  Title Environmental Serv. Supervisor
Date 01 Feb 2001

**CERTIFICATION
R 323.2413(6)(a)(ii)**

I certify, under penalty of law, that the information that will be used to determine compliance with the Class B pathogen requirements in R 323.2414(3) has been prepared under my direction and supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

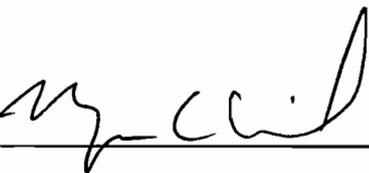
Signed 

Title Environmental Serv. Supv.

Date 01 Feb 2001

**CERTIFICATION
R 323.2413(6)(b)(i)**

I certify, under penalty of law, that the information that will be used to determine compliance with the management practices in R 323.2410, the site restrictions in R 323.2415(4)(i), has been prepared for each site on which bulk biosolids are applied under my direction and supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment.

Signed 

Title Environmental Serv. Supv.

Date 02 Feb 2001

RESIDUALS MANAGEMENT PROGRAM

SECTION III – LAND APPLICATION PLAN

4. CLASS B BIOSOLIDS

If Class B, check the alternative used. Attach the appropriate certification statement(s) (Appendix C) and documentation to demonstrate compliance. Note Class B Site Restrictions on Page 7.

- Class B –Alternative 1
- Class B –Alternative 2 (indicate which PSRP)
 - (a) aerobic digestion
 - (b) air drying
 - (c) anaerobic digestion
 - (d) composting
 - (e) lime stabilization (pH at 25° C or equivalent)
- Class B –Alternative 3 (attach PFRP equivalent documentation)

7. RE-USE/DISPOSAL ALTERNATIVES

Should the circumstances arise, describe alternative method(s) for the proper treatment, use or disposal of biosolids (include seeking authorization from the permitting authority).

Product is belt pressed and sent to landfill (only when storage tanks are full).

Check this box if you need additional space for your answer.

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The following Site Restrictions contained in R323.2414 (f)(I) to (viii) apply to all land-applied biosolids meeting the class B pathogen reduction requirements.

(f) All of the following provisions apply to site restrictions:

- (i) A land owner shall not harvest food crops that have harvested parts which touch the biosolids/soil mixture and which are totally above the land surface for 14 months after biosolids are applied.
- (ii) A land owner shall not harvest food crops that have harvested parts below the surface of the land for 20 months after biosolids are applied if the biosolids remain on the land surface for 4 months or longer before incorporation into the soil.
- (iii) A land owner shall not harvest food crops that have harvested parts below the surface of the land for 38 months after biosolids are applied if the biosolids remain on the land surface for less than 4 months before incorporation into the soil.
- (iv) A land owner shall not harvest food crops, feed crops, and fiber crops for 30 days after biosolids are applied.
- (v) A land owner shall not graze animals on the land for 30 days after biosolids are applied
- (vi) A land owner shall not harvest turf grown on land where biosolids are applied for 1 year after biosolids are applied if the harvested turf is placed on either land that has a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority.
- (vii) A land owner shall restrict public access to land that has a high potential for public exposure for 1 year after biosolids are applied.
- (viii) A land owner shall restrict public access to land with a low potential for public exposure for 30 days after biosolids are applied.

RESIDUALS MANAGEMENT PROGRAM

SECTION III – LAND APPLICATION PLAN

B. Procedures

PLEASE TYPE OR PRINT

<p>FACILITY NAME Wyoming Clean Water Plant</p>	<p>NPDES or COC PERMIT NUMBER MI0024392</p>
<p>1. ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) Optional Would your facility possibly be interested in implementing a voluntary EMS and "Code of Good Practices" as administered by the National Biosolids Partnership?</p> <p><input checked="" type="checkbox"/> Yes -Information will be sent to you on implementing an EMS <input type="checkbox"/> No</p>	<p>4. LAND APPLICATION METHOD Describe the methods utilized for land application. Sub-surface injection by Terragator.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer.</p>
<p>2. TRANSPORTATION Describe the method of handling and transporting residuals from the treatment facility to the site of land application. Product hauled by Synagro in tankers (8000 gal/trip) to field where it is injected by Terragator.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer.</p>	<p>5. APPLIER OVERSIGHT Describe the method of applier oversight. Include performance specifications and any training/certification requirements. See Appendix C for applier certification requirements. Plant Superintendent oversees Environmental Services Supervisor who oversees Biosolids Coordinator who works directly with contractor and farmers. Biosolids Coordinator also monitors field several days per week.</p> <p>The City of Wyoming Clean Water Plant feels that this personnel structure gives a system of oversight that is adequate to protect against application errors. Unlike other municipalities who rely on their contractor to for these types of services, Wyoming only uses its contractor to haul and physically apply the material. Having a fulltime staff member who is responsible for locating the fields, performing the agronomic calculations, permitting, site flagging, etc, gives us an extra measure of confidence that errors won't be made. However, in the event of application error, such as applying on a field which was not permitted or applying material which contained materials over 503 Table III but under 503 CPLR, the City of Wyoming would a) contact MDEQ, b) begin all necessary actions to mitigate any adverse conditions caused by the application, and c) cooperate fully in any MDEQ compliance actions.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer</p>
<p>3. SPILL PREVENTION / RESPONSE PLAN Describe your spill prevention measures and steps to be followed should a spill occur. All spill response measures are handled by the contractor, who is responsible for safe transportation and correct application procedures. Please see copies of Wyoming's current contractor's (Synagro) spill response procedures and application guidelines, included in this application. These protocols are laminated and carried in the cab by every driver and applicator Synagro employs in the service of the City of Wyoming.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer.</p>	

RESIDUALS MANAGEMENT PROGRAM

SECTION III – LAND APPLICATION PLAN

B. Procedures (continued)

PLEASE TYPE OR PRINT

<p>FACILITY NAME Wyoming Clean Water Plant</p>	<p>NPDES or COC PERMIT NUMBER MI0024392</p>
<p>6. REPORTING Describe your facility's reporting procedure (provide example forms, letters, etc. as an attachment). Specific reporting requirements are summarized in Appendix C. Formerly, monthly operating reports were sent directly to MDEQ (pre-RMP days). These reports will continue to be assembled and will be kept on file at the Wyoming plant for MDEQ audit purposes.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer</p>	<p>8. COMPLAINT RESPONSE Describe the procedure for responding to citizen complaints. Include details of any biosolids educational programs. Complaints handled by either Plant Superintendent, Environmental Services Supervisor, or Biosolids Coordinator. Once a year, we hold a Biosolids Awareness day, which has a different theme each year. In the past, these themes have focused on farmers, townships, septage haulers, etc. See Mission Statement for further details.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer</p>
<p>7. RECORDKEEPING Describe your facility's recordkeeping procedures and retention schedules. Specific recordkeeping and certification requirements are summarized in Appendix C. Analytical data is managed by a LIMS and the plant is run by a SCADA system. The daily load sheet records field identity, driver name, truck number, gallons of product, time of application, etc. Samples are taken from each load and put into a monthly composite sample for analysis. Site ID forms which include field location by county and section, acres, soil type, slope, pH, CEC, nutrient analysis, etc. are kept on file. Agronomic loading data is logged monthly in a computerized database.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer</p>	<p>9. SAMPLING PLAN a. Describe the proposed sample frequency and quality control methods utilized to assure representative samples are obtained. Minimum Sample Frequencies are provided on Page 10. Each tank is sampled and composited for monthly analysis.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer</p> <p>b. Describe the procedure for assuring that analytical results are below regulated limits and appropriate methods were used. Pollutant Limit Tables are provided on Page 11. Laboratory (in-house) has full Quality Assurance/Quality Control plan in place. A copy of this plan will be forwarded to MDEQ under separate cover.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer</p> <div style="text-align: center; margin-top: 20px;"> <p>RECEIVED</p> <p>JUN 09 2000</p> <p>SURFACE WATER QUALITY DIV. GRAND RAPIDS</p> </div>

City of Wyoming Clean Water Plant

MISSION STATEMENT

It shall be the objective of the City of Wyoming Biosolids Recycling Program to promote the beneficial reuse of biosolids through an agronomically based, environmentally safe, and publicly acceptable program. The framework for this program consists of the regulations and safeguards as developed by the U.S. EPA in 40 CFR Part 503 and the State of Michigan Public Act 29. These safeguards assure a program that is scientifically based and environmentally responsible. The anticipated outcome will be a recycling program that can be endorsed by state and local government, public health organizations, the farming community, environmental groups, and the general public, while protecting human health and environmental resources. With these precepts in mind, this recycling program is further intended to be financially viable for regulators, biosolids generators and applicators alike. We believe this program provides a foundation from which a partnership of all concerned parties can be formed for the promotion of biosolids recycling and the protection of Michigan's land and water resources.



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RESIDUALS MANAGEMENT PROGRAM**SECTION III – LAND APPLICATION PLAN****Minimum Sample Frequencies****R 323.2412 Frequency of monitoring.**

Table 7

Amount of Biosolids Produced (per 365-day period)		
English Dry Tons	Metric Dry Tons	Frequency
Greater than zero, but less than 320	Greater than zero, but less than 290	Once per year
Equal to or greater than 320, but less than 1,650	Equal to or greater than 290, but less than 1,500	Once per quarter (4 times per year)
Equal to or greater than 1,650, but less than 16,500	Equal to or greater than 1,500, but less than 15,000	Once per 60 days (6 times per year)
Equal to or greater than 16,500	Equal to or greater than 15,000	Once per month (12 times per year)

Note: Additional monitoring beyond that stated above may be required to obtain representative data of the material proposed to be land applied or to meet the following additional requirements of the Part 24 Rules. The following words in bold below are not part of the Part 24 Rules.

(4) If biosolids are accumulated before removal, the monitoring frequency, at a minimum, is that specified in this rule. If monitoring of biosolids or a derivative indicates a pollutant concentration in excess of that provided in table 3 of R 323.2409(5)(c) (**see page 11 of this document**), then the monitoring frequency shall be increased to not less than twice that provided for in table 7 (**sample frequency table above**) until pollutant concentrations are at or below the concentrations provided in table 3 of R 323.2409(5)(c). In the case of biosolids accumulating for periods of more than 1 year, biosolids must be monitored at the frequency determined in table 7 only in the year the biosolids are used. For a generator who removes biosolids monthly or more frequently, monitoring is required at least once per month each month that the biosolids are removed, unless more frequent monitoring is required in subrule(1) of this rule.

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SECTION III – LAND APPLICATION PLAN

R 323.2409 APPLICATION OF LIMITATIONS

(a) TABLE 1 -- Ceiling Pollutant Concentrations

Pollutant	Ceiling Concentration (milligrams per kilogram) ¹ (dry weight basis)
Arsenic	75
Cadmium	85
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
Selenium	100
Zinc	7500

(b) TABLE 2 -- Cumulative Pollutant Loading Rates

Pollutant	Cumulative Pollutant Loading Rate	
	kilograms per hectare	pounds per acre
Arsenic	41	37
Cadmium	39	35
Copper	1500	1335
Lead	300	267
Mercury	17	15
Nickel	420	374
Selenium	100	89
Zinc	2800	2492

(c) TABLE 3 -- Pollutant Concentrations

Pollutant	Concentration (milligrams per kilogram) (on a dry weight basis)
Arsenic	41
Cadmium	39
Copper	1500
Lead	300
Mercury	17
Nickel	420
Selenium	100
Zinc	2800

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(d) TABLE 4 -- Annual Pollutant Loading Rates

Pollutant	Annual Pollutant Loading Rate ¹	
	kilograms per hectare	pounds per acre
Arsenic	2.0	1.8
Cadmium	1.9	1.7
Copper	75	67
Lead	15	13
Mercury	0.85	0.76
Nickel	21	19
Selenium	5.0	4.5
Zinc	140	125

RESIDUALS MANAGEMENT PROGRAM

SECTION III – LAND APPLICATION PLAN

¹ per 365-day period.

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SECTION III – LAND APPLICATION PLAN

C. Site Information (continued)

PLEASE TYPE OR PRINT

<p>FACILITY NAME Wyoming Clean Water Plant</p>	<p>NPDES or COC PERMIT NUMBER MI0024392</p>
<p>4. NEW SITES</p> <p>a. Indicate the geographical area covered by your Land Application Plan. Within 100 miles of plant.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer</p> <p>b. Describe your site selection criteria. Note the Management Practices summary on Page 14 and Class B site restrictions - Page 7. Applier/Preparer certification requirements are summarized in Appendix C. All fields are actively farmed. We follow all site restrictions in Table 6 (p. 14).</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer</p>	<p>7. AGRONOMIC RATE</p> <p>a. Will biosolids be applied at the agronomic rate for the crop to be grown? See Appendix E for agronomic rate calculations.</p> <p><input checked="" type="checkbox"/> Yes - Continue with Item 8. <input type="checkbox"/> No - Biosolids must be applied at the agronomic rate unless done in accordance with a DEQ approved Site Reclamation Plan.</p> <p><small>*NOTE: Be advised that application rates may also need to be further restricted for operational reasons or based on loading rates for biosolids exceeding Table 3 limits or to avoid exceeding the 300 lb/ac P limit in site soils. Refer to SWQD guidance for calculations of agronomic rates based on Phosphorus.</small></p>
<p>5. LAND OWNER AGREEMENTS</p> <p>Do you have a signed landowner agreement for each existing site? See Appendix D for Landowner Agreement considerations.</p> <p><input checked="" type="checkbox"/> Yes - Continue with Item 6. <input type="checkbox"/> No - Rule 323.2413(2)(b) and (c) requires written consent to apply biosolids and a written agreement not to apply biosolids from other sources or septage to a listed land application site.</p>	<p>8. SITE NOTIFICATION</p> <p>Specific notification requirements and a sample public notification letter are provided in Appendix F. A DEQ site identification form is provided on page 15. Optional: Describe your facility's site notification procedure, including informal DEQ notification prior to seasonal or wintertime application. Provide any other sample forms and letters. See attached Site ID form.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer</p> <div style="text-align: center; margin-top: 20px;"> <p>RECEIVED</p> <p>JUN 09 2000</p> <p>SURFACE WATER QUALITY DIV GRAND RAPIDS</p> </div>
<p>6. OUT OF STATE SITES</p> <p>Will the proposed land application activity occur on lands outside of the State of Michigan?</p> <p><input type="checkbox"/> Yes (describe procedure for permitting authority notification). <input checked="" type="checkbox"/> No, Continue with Item 7.</p> <p><input type="checkbox"/> Check this box if you need additional space for your answer</p>	

Biosolids Hauler Spill Response Procedure

1. General

- A. Biosolids are non-hazardous and non-toxic. If a spill occurs, there is no need for special equipment or emergency protocol beyond that outlined in this procedure. Biosolids are primarily processed solids produced by sewage treatment plants.
- B. Biosolids spilled onto pavement pose a potential road hazard because they can create, wet, slick surfaces for motor vehicles, and/or can obstruct traffic flow. If biosolids remain on the surface for a sufficient time, they could be a source of potential contamination of nearby storm drains, waterways, or ground water. Biosolids should be thoroughly removed so that no significant residues remain to be washed into any storm drain or waterway by surface water. All spilled biosolids must be returned to the trailer from which they spilled, or be loaded into another appropriate transport vehicle.

2. Biosolids Characteristics and Personal Hygiene Procedures

- A. Biosolids are processed organic residual solids from domestic sewage treatment, containing nitrogen, phosphorus, trace metals, and some pathogenic (disease-causing) organisms. Biosolids being transported are typically 6% total solids, with a liquid consistency. Biosolids become dirt-like when solids exceed 45%.
- B. Personnel cleaning up a spill of biosolids should:
 - Wear gloves for shoveling, sweeping or handling biosolids.
 - Not eat, drink, smoke or chew while working directly with biosolids.
 - Wash hands (and as necessary all other exposed parts of the body) with waterless hand cleaner or soap and water, following spill clean-up and prior to eating, drinking, smoking or chewing.

3. Over-The-Road Spill Response Procedures

- A. Park the truck on the side of the road and place traffic cones, reflector and/or flares to divert traffic around the spill. Remain with the truck and spilled materials, unless it is necessary to leave temporarily to contact emergency services.
- B. Drivers shall notify their Supervisor as soon as possible by radio or by phone (800-575-8343). Give the location and amount of biosolids spilled. Also notify the local Highway Patrol by telephone (911), if the spill has occurred on a public right of way.
- C. Inform the authorities that you are hauling biosolids (treated sewage sludge) which is non-hazardous and non-toxic.
- D. Cooperate with the authorities, assist with traffic control and clean-up.
- E. Do not leave the scene of any spill, even a small one, until it is cleaned up. You may clean up small spills first and then report the spill.

4. Clean-Up Procedures

- A. Load spilled biosolids back into the vehicle if it is operable. If the vehicle is disabled, the spill must be loaded into an alternate vehicle.**
- B. Spilled biosolids must be prevented from migrating off the incident site, into storm drains, or into surface waters. This is especially important if an incident occurs in rain conditions. Biosolids spills may be diked or controlled with sand, sand bags, straw, absorbents, or other blocking material.**
- C. A two-person crew working with shovels may load a small spill into the vehicle. A large spill must be loaded into the vehicle by an appropriate rubber tired loader. The scene coordinator, based on equipment availability and spill size, must make the most efficient loading option.**
- D. After the spill has been loaded, the incident site must be cleaned. Spills may be cleaned by sweeping the site of remaining debris. Do not wash off tools or trucks at the spill location; return tools and trucks to the wastewater treatment plant for cleaning.**
- E. Cleaned up spills should either be taken to the original destination or to a landfill permitted to receive biosolids. They may also be accepted by the originating sewage treatment plant.**

SYNAGRO MIDWEST BIOSOLIDS REGULATIONS

FEBRUARY, 2000

All Synagro Midwest employees operating biosolids injection equipment are subject to the following Synagro Midwest guidelines AT ALL TIMES.

1. All biosolids must be injected into the soil. Surface application shall not take place unless approved by your supervisor.
2. If any spillage occurs on the field, it must be raked in and incorporated into the soil within **one hour**.
3. Any spillage at the transfer site must be raked in, or shoveled over **immediately**.
4. Setback distances must be observed **at all times**. They are as follows:

ISOLATION REQUIREMENTS

	<u>INJECTION*</u>	<u>SURFACE*</u>
Roads and Property Lines	25 FT.	150 FT.
Surface Water including Drainageways and Creeks	50 FT.	150 FT.
Residences or Commercial Buildings	100 FT.	200 FT.
Private/Domestic Wells	150 FT.	150 FT.
Public Water Supply	800 FT.	800 FT.
Municipal Water Supply	2000 FT.	2000 FT.
Slope (a 12% slope is a 12 foot rise over 100 feet)	12 %	6 %

*Synagro Midwest standards meet or exceed MDEQ and EPA regulations.

If you are unsure of a property line or location of a well, speak with someone from the Land Department.

5. **** IF EVER IN DOUBT, ASK BEFORE YOU ACT!!****

SITE IDENTIFICATION FORM

Date:

IMPORTANT: This information must be received by the Surface Water Quality Division (SWQD) of the Michigan Department of Environmental Quality (MDEQ) no less than ten (10) days prior to initial application of biosolids to the site identified on this form unless the DEQ approves an alternate time frame due to unforeseen circumstances.

NAME OF FACILITY: City of Wyoming Clean Water Plant

ADDRESS: 2350 Ivanrest SW Grandville MI 49418

NAME OF FACILITY CONTACT PERSON: Dan Wolz, Plant Superintendent
(person responsible for resolving complaints, problems, etc.)

Telephone Number: (616) 261-3550

LANDOWNER NAME:

ADDRESS:

Telephone Number:

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COUNTY WHERE SITE IS LOCATED:

TOWNSHIP:

SECTION:

PROPERTY PURCHASE DATE:

PREVIOUS PROPERTY OWNER NAME:

MDNR IDENTIFICATION NUMBER:

SOIL SERIES:

SLOPE CLASS:

INITIAL CATION EXCHANGE CAPACITY:

SOIL pH:

SOIL PHOSPHORUS (ppm):

SOIL POTASSIUM (ppm):

LATITUDE:

LONGITUDE:

I certify, under penalty of law, that this form and all attachments were prepared under my direction or supervision and based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I also certify that this site has not and is not currently being used for disposal of any other sludge generated from another facility or any other residuals. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment of violations.

SIGNATURE: _____
Dan Wolz, Clean Water Plant Superintendent

DATE: _____

cc: Laura Rauwerda
MDEQ-SWQD
Grand Rapids District
35 N Ottawa
Grand Rapids MI 49503

County Health Department:

Township:



City of Wyoming

Clean Water Plant

2350 Ivanrest S.W. • Grandville, MI 49418-1197

TELEPHONE 616/261-3550
FAX 616/261-3590

AGREEMENT TO PARTICIPATE IN BIOSOLIDS RECYCLING PROGRAM

I hereby agree to participate in a biosolids recycling program administered by the city of Wyoming Clean Water plant.

I understand that the biosolids will be applied to my land in accordance with federal EPA regulations (40 CFR Part 503 & State of Michigan Part 24 rules).

I understand biosolids are analyzed in accordance with the above federal regulations and contain background levels of heavy metals. I understand the quantity and frequency of biosolids application to my land is limited by nutrient requirements and soil conditions.

My land is used for the production of agricultural crops. Information concerning crop restrictions for vegetable and root crops has been explained to me. I understand that I cannot harvest a field crop or allow animals to graze on the land within 30 days after biosolids application to my land. I also agree to restrict public access for 30 days to my land after biosolids application.

I agree to allow representatives of the city of Wyoming Clean Water Plant and its contractor to have access to my land to obtain soil samples and apply biosolids.

I understand the City of Wyoming does not guarantee specific quantities, times of delivery or crop yields.

If I decide to cancel this agreement, I will give notice to the City of Wyoming.



Owner's Name (please print) _____

Owner's Signature _____ Date _____

Street Address _____ City _____ State _____

Zip Code _____ Phone # (____) _____ Field # _____ Acres _____



City of Wyoming

Clean Water Plant

2350 Ivanrest S.W. • Grandville, MI 49418-1197

TELEPHONE 616/261-3550

FAX 616/261-3590

April 5, 2000

To: Laura Rauwerda, MDEQ-SWQD
County Health Department
Township Clerk

Subject: Biosolids Application Notification

The City of Wyoming is preparing to apply biosolids (sewage sludge) on land located in *(Township Name/County Name)* (see attached plat map), owned by *(Property Owner Name and Address)*. This notice is provided in accordance with Michigan Part 24 Biosolids Rules, to inform you of our activities within your area, and to give you a basic understanding of the fertilizer value of this material. The City of Wyoming will provide you, free of charge, any additional information as needed including any record created in accordance with State rules pertaining to the actual biosolids application.

The following analytical data represents the average contents of the biosolids that will be applied in your area. The US EPA has developed the maximum limits from over 20 years of research. These limits represent a *conservative* annual application rate and at no time shall biosolids be applied which exceed any of these maximum values.

Most Recent Biosolids Average Analysis in mg/kg (dry weight basis)

<u>Constituent</u>	<u>Concentration</u>	<u>Max. Allowable Concentration Limit</u>
Arsenic (As)		75
Cadmium (Cd)		85
Copper (Cu)		4300
Lead (Pb)		840
Mercury (Hg)		57
Molybdenum (Mo)		75
Nickel (Ni)		420
Selenium (Se)		100
Zinc (Zn)		7500
Nitrogen (N)		Ag Rate
Phosphorus (P)		Ag Rate
Potassium (K)		Ag Rate

Biosolids are the nutrient-rich organic materials produced during the biological and physical treatment of wastewater. The solids treated during this process produce a stabilized liquid or semi-solid material that contains nutrients required for crop growth, as well as organic matter to condition the soil. Treated biosolids contain the three primary crop nutrients: nitrogen, phosphorus, and potassium. They also contain nutrients that crops need in smaller amounts. These "micronutrients" are not commonly found in commercial fertilizers.

The DEQ's Surface Water Quality Division regulates the land application of biosolids. The program is endorsed by the Michigan Department of Agriculture, Michigan State University, Michigan Farm Bureau, Michigan Water Environment Association, Michigan Municipal League, US Environmental Protection Agency, US Department of Agriculture, and the US Food and Drug Administration.

For more information, contact:

Dan Wolz, Plant Superintendent
City of Wyoming Clean Water Plant
2350 Ivanrest SW
Grandville MI 49418
Telephone: (616) 261-3550
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SURFACE WATER QUALITY DIV.
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RESIDUALS MANAGEMENT PROGRAM**SECTION III – LAND APPLICATION PLAN****MANAGEMENT PRACTICES****Slope Restrictions R 323.2410(4)**

A person shall not apply bulk biosolids on lands having a slope of more than 6% for surface application or more than 12% for subsurface injected biosolids, unless the person uses the bulk biosolids in accordance with a DEQ-approved site management plan.

Isolation Distance Requirements R 323.2410(11)

TABLE 6

ISOLATION DISTANCE REQUIREMENTS		
Isolation from existing:	Distance (feet)	
	Injection or Surface application with incorporation*	Surface application without incorporation
Municipal well (type I or type IIA)**	2000	2000
Non-community public water supply (type IIB or type III)	800	800
Domestic well	100	150
Homes	100	150
Commercial Buildings	100	150
Surface waters***	50	150

* Incorporation must be within 48 hours, unless a shorter time period is specified in these rules.

** As defined and specified in Act No. 399 of the Public Acts of 1976, as amended, being §325.1001 et seq. of the Michigan Compiled Laws and known as the safe drinking water act. As specified in Act No. 399 of Public Acts of 1976, as amended, the term includes water supplies such as schools, restaurants, industries, campgrounds, parks, and hotels.

*** Surface waters do not include grassed drainage ways or drainage ways that are tilled and planted.

Refer to Rule R 323.2410 for the entire management practices section of Part 24 Rules.

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Michigan Department of Environmental Quality- Surface Water Quality Division
DEQ SITE IDENTIFICATION FORM

Complete the following information and provide the attachments listed below for each new site or existing site that has not had a Site Identification Form with attachments submitted to the DEQ since January 1, 1998. Please amend any previous Site Identification Forms when it becomes known that any of the information requested below has changed (i.e. new land owner).

FACILITY NAME		NPDES or COC PERMIT NUMBER											
SITE IDENTIFICATION FORM													
A. Site ID	Site ID #	Street or Route #											
B. County/Township:	County	Township											
C. State Planar Coordinates:	1/4	1/4	Section	Town Range									
D. Lat/Long (nearest second):	Latitude	Longitude	Method Used (i.e. GPS, topo)										
E. Site Ownership	Name of Owner		Phone										
	Street or P.O. Box												
	City or Town		State	Zip									
	Is there a written agreement from the owner to land apply? <input type="checkbox"/> Yes <input type="checkbox"/> No, written agreement is required		Previous landowners name										
			Property purchase date										
			RECEIVED										
	Name of Lessee (if different)		Phone										
			JUN 09 2000										
	Street or P.O. Box												
			SURFACE WATER QUALITY DIV. GRAND RAPIDS										
	City or Town		State	Zip									
F. Site Characteristics	Site Type <input type="checkbox"/> Agricultural <input type="checkbox"/> * Reclamation Site <input type="checkbox"/> Forest <input type="checkbox"/> ** Lawn/Home Garden <small>*Separate approval is required **Requires EQ Biosolids</small>		Soils Information Date of last soils analysis *Phosphorous _____ units Potassium _____ units pH _____ Soil type(s) <small>*300 lb/ac Bray P1 maximum</small>										
	Expected crops/vegetation to be grown <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:30%;">Crop/Vegetation</th> <th>Nitrogen Requirement</th> </tr> <tr> <td>_____</td> <td>_____ lbs. N/acre</td> </tr> <tr> <td>_____</td> <td>_____ lbs. N/acre</td> </tr> <tr> <td>_____</td> <td>_____ lbs. N/acre</td> </tr> </table>		Crop/Vegetation	Nitrogen Requirement	_____	_____ lbs. N/acre	_____	_____ lbs. N/acre	_____	_____ lbs. N/acre	Percent slope Highest percent slope of the site? <input type="checkbox"/> 0-6% <input type="checkbox"/> 6-12% <input type="checkbox"/> *Higher (Requires an approved site reclamation plan)		
Crop/Vegetation	Nitrogen Requirement												
_____	_____ lbs. N/acre												
_____	_____ lbs. N/acre												
_____	_____ lbs. N/acre												
	Total acreage of site Acreage used for crops		If agricultural, is the site tilled? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA										
	Public Exposure Is this land with a high potential for public exposure? (See Definitions section on Page 19) <input type="checkbox"/> Yes <input type="checkbox"/> No												
On an attached sheet provide a copy of the following: <ul style="list-style-type: none"> • A Farm Services Agency map (formerly ASCS) of the proposed application site with property boundaries, surface waters, and discharge location of field tiles when present. • A copy of the soil test analysis that is no older than 2 years old at the time of land application. • A copy of the plat map (or other map showing property dimensions) with the proposed land application site highlighted. • A soil survey map with the land application site identified. 													

Michigan Department of Environmental Quality- Surface Water Quality Division
RESIDUALS MANAGEMENT PROGRAM
SECTION III - LAND APPLICATION PLAN

D. Land Application Site List

Provide the following information for every new or existing site that you intend to use in the next five years (biosolids permit cycle). Each listed site should either have had a Site Identification Form with attachments submitted to the MDEQ since January 1, 1998, or the completed forms should be included with this document. To add new sites to the Land Application Site List during the biosolids permit cycle, modify your RMP by submitting a completed MDEQ Site Identification Form with attachments, a copy of your public notification letter and wait the required ten-day notification period. Use additional sheets as necessary.

PLEASE TYPE OR PRINT

Facility Name				NPDES or COC PERMIT NUMBER		
Site Identification Number	Latitude	Longitude	Acres	Owners Last Name	New Site? (check if yes)	CPLR Site? (check if yes)
03N11W08A01	42°39.00'	85°38.00'	33	ARBANAS	<input type="checkbox"/>	<input type="checkbox"/>
03N11W17A02	42°39.00'	85.38.00'	44	ARBANAS	<input type="checkbox"/>	<input type="checkbox"/>
04N11W12MB01	42°44.50'	85°33.70'	120	BEUSCHEL	<input type="checkbox"/>	<input type="checkbox"/>
04N11W14MB02	42°44.28'	85°34.40'	65	BEUSCHEL	<input type="checkbox"/>	<input type="checkbox"/>
03N11W12-RB01	42°40.00'	85°32.92'	100	BLOOM	<input type="checkbox"/>	<input type="checkbox"/>
05N11W36-RB01	42°46.90'	85°33.86'	32	BREARLY	<input type="checkbox"/>	<input type="checkbox"/>
05N11W36-RB02	42°46.70'	85°33.80'	40	BREARLY	<input type="checkbox"/>	<input type="checkbox"/>
05N11W36-RB03	42°46.75'	85°33.45'	24	BREARLY	<input type="checkbox"/>	<input type="checkbox"/>
05N11W35-RB05	42°46.60'	85°34.12'	30	BREARLY	<input type="checkbox"/>	<input type="checkbox"/>
04N11W34-DB02	42°41.67'	85°35.02'	40	BROG	<input type="checkbox"/>	<input type="checkbox"/>
04N11W34-DB03	42°41.36'	85°35.24'	33	BROG	<input type="checkbox"/>	<input type="checkbox"/>
02N10W03-DC01	42°35.60'	85°28.22'	60	CAPPON	<input type="checkbox"/>	<input type="checkbox"/>
11N11W12-RD01	43°21.76	85°37.44'	32	DEFOUW	<input type="checkbox"/>	<input type="checkbox"/>
08N14W13-DE01	43°04.05'	85°54.50'	37	ENGLES	<input type="checkbox"/>	<input type="checkbox"/>
08N13W07-DE02	43°05.50'	85°54.35'	170	ENGLES	<input type="checkbox"/>	<input type="checkbox"/>
08N14W12-DE03	43°05.80'	85°54.50	34	ENGLES	<input type="checkbox"/>	<input type="checkbox"/>
04N10W05-JG01	42°45.91'	85°30.64'	80	GOOD	<input type="checkbox"/>	<input type="checkbox"/>
11N11W02-HH01	43°22.14'	85°35.23	35	HACKBARDT	<input type="checkbox"/>	<input type="checkbox"/>
11N11W01-KH02	43°22.32'	85°34.13'	110	HACKBARDT	<input type="checkbox"/>	<input type="checkbox"/>
08N14W24-RH01	43°04.30'	85°55.30'	80	HAMMOND	<input type="checkbox"/>	<input type="checkbox"/>
07S12W21-FH02	41°51.12'	85°42.57'	33	HASSENGER	<input type="checkbox"/>	<input type="checkbox"/>

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Facility Name <i>City of Wyoming</i>				NPDES or COC PERMIT NUMBER <i>M100</i>		
Site Identification Number	Latitude	Longitude	Acres	Owners Last Name	New Site? (check if yes)	CPLR Site? (check if yes)
07S12W15-FH01	41°51.30'	85°41.90'	88	HASSENGER	<input type="checkbox"/>	<input type="checkbox"/>
05N12W04-DH01	42°51.10'	85°43.80'	200	Helmholdt	<input type="checkbox"/>	<input type="checkbox"/>
04N11W35-FH01	42°40.94'	85°33.97'	32	HENDRICKSMA	<input type="checkbox"/>	<input type="checkbox"/>
04N11W08-FH02	42°45.85'	85°38.28'	90	HENDRICKSMA	<input type="checkbox"/>	<input type="checkbox"/>
04N11W32-FH03	42°41.45'	85°37.95'	65	HENDRICKSMA	<input type="checkbox"/>	<input type="checkbox"/>
04N11W33-FH04	42°41.45'	85°37.50'	65	HENDRICKSMA	<input type="checkbox"/>	<input type="checkbox"/>
04N11W22-FH05	42°43.20'	85°35.90'	53	HENDRICKSMA	<input type="checkbox"/>	<input type="checkbox"/>
04N11W28-FH06	42°42.56'	85°37.23'	55	HENDRICKSMA	<input type="checkbox"/>	<input type="checkbox"/>
04N11W28-FH07	42°42.56'	85°36.28'	65	HENDRICKSMA	<input type="checkbox"/>	<input type="checkbox"/>
03N10W05-DJ01	42°40.77'	85°31.48'	40	JACKSON, DON	<input type="checkbox"/>	<input type="checkbox"/>
03N11W01-DJ02	42°40.25'	85°33.10'	50	JACKSON, DORTHY	<input type="checkbox"/>	<input type="checkbox"/>
03N11W01-DJ03	42°40.25'	85°33.35'	50	JACKSON, DORTHY	<input type="checkbox"/>	<input type="checkbox"/>
03N11W12-RJ02	42°39.67'	85°33.02'	20	JACKSON, RALPH	<input type="checkbox"/>	<input type="checkbox"/>
03N11W12-RJ08	42°39.68'	85°33.63'	40	JACKSON, RALPH	<input type="checkbox"/>	<input type="checkbox"/>
04N11W23-DK01	42°43.43'	85°34.65'	80	KAECHLE	<input type="checkbox"/>	<input type="checkbox"/>
05N11W36-GK01	42°46.54'	85°33.20'	122	KAYSER	<input type="checkbox"/>	<input type="checkbox"/>
05N10W16-GK02	42°49.05'	85°29.90'	134	KAYSER	<input type="checkbox"/>	<input type="checkbox"/>
05N11W25-GK03	42°47.18'	85°33.65'	425	KAYSER	<input type="checkbox"/>	<input type="checkbox"/>
05N11W36-GK04	42°46.91'	85°33.33'	30	KAYSER	<input type="checkbox"/>	<input type="checkbox"/>
05N11W24-GK05	42°48.03'	85°33.58'	64	KAYSER	<input type="checkbox"/>	<input type="checkbox"/>
11N10W27-RK01	43°18.92'	85°29.60'	50	KENDLE	<input type="checkbox"/>	<input type="checkbox"/>
05N11W36-JK01	42°46.24'	85°47.17'	150	KWAITKOWSKI	<input type="checkbox"/>	<input type="checkbox"/>

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Facility Name				NPDES or COC PERMIT NUMBER		
Site Identification Number	Latitude	Longitude	Acres	Owners Last Name	New Site? (check if yes)	CPLR Site? (check if yes)
01N16W10-EL01	42°29.00'	86°10.25'	26	LATCHAW	<input type="checkbox"/>	<input type="checkbox"/>
01N16W11-EL02	42°29.10'	86°09.30	36	LATCHAW	<input type="checkbox"/>	<input type="checkbox"/>
01N16W02-EL03	42°28.95'	86°10.00	27	LATCHAW	<input type="checkbox"/>	<input type="checkbox"/>
01N16W11-EL04	42°29.80'	86°09.10'	16	LATCHAW	<input type="checkbox"/>	<input type="checkbox"/>
4 08N14W13-LL01	43°04.62'	85°54.60'	100	Langeland	<input type="checkbox"/>	<input type="checkbox"/>
07N13W04-LL02	43°01.75'	85°51.35'	50	Langeland	<input type="checkbox"/>	<input type="checkbox"/>
08N14W12-LL06	43°05.75'	85°55.50'	80	Langeland	<input type="checkbox"/>	<input type="checkbox"/>
08N14W11-LL07	43°04.90'	85°55.85'	80	Langeland	<input type="checkbox"/>	<input type="checkbox"/>
08N13W09-LL08	43°05.50	85°51.95'	75	Langeland	<input type="checkbox"/>	<input type="checkbox"/>
08N14W28-LL11	43°03.15'	85°58.90	165	Langeland	<input type="checkbox"/>	<input type="checkbox"/>
08N14W01-LL13	43°06.80'	85°54.65	122	Langeland	<input type="checkbox"/>	<input type="checkbox"/>
08N14W01-LL14	43°06.35'	85°54.60'	55	Langeland	<input type="checkbox"/>	<input type="checkbox"/>
03N11W14-VL02	42°38.60'	85°34.05'	55	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N11W24-VL03	42°38.11'	85°32.75'	29	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N11W24-VL04	42°38.23'	85°33.77'	15	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N11W13-VL05	42°38.39'	85°33.37	39	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N11W13-VL07	42°38.32'	85°32.98'	29	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N10W18-VL16	42°38.65'	85°31.90'	50	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N10W18-VL18	42°38.40'	85°32.45'	62	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N10W18-VL19	42°38.40'	85°32.15'	30	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N10W18-VL20	42°38.41'	85°32.09'	36	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>

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Facility Name				NPDES or COC PERMIT NUMBER		
Site Identification Number	Latitude	Longitude	Acres	Owners Last Name	New Site? (check if yes)	CPLR Site? (check if yes)
03N11W13-VL24	42°38.40'	85°32.83'	18	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N11W13-VL25	42°38.57'	85°33.06'	50	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N11W13-VL26	42°38.67'	85°33.06'	27	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N11W29-VL30	42°37.60'	85°37.75'	75	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N11W13-VL31	42°38.90'	85°33.40'	76	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
03N11W03-VL32	42°40.30'	85°35.90'	70	Lettinga	<input type="checkbox"/>	<input type="checkbox"/>
05N11W21-SM01	42°48.50'	85°37.05'	75	MAIER	<input type="checkbox"/>	<input type="checkbox"/>
05N11W29-SM03	42°47.75'	85°37.70'	35	MAIER	<input type="checkbox"/>	<input type="checkbox"/>
04N11W22-SM05	42°43.20'	85°35.25'	47	MAIER	<input type="checkbox"/>	<input type="checkbox"/>
05N11W73-SM06	42°46.50'	85°37.00'	16	MAIER	<input type="checkbox"/>	<input type="checkbox"/>
05N11W21-SM07	42°48.00'	85°37.10'	30	MAIER	<input type="checkbox"/>	<input type="checkbox"/>
05N11W28-SM08	42°47.80'	85°37.10'	36	MAIER	<input type="checkbox"/>	<input type="checkbox"/>
05N11W21-SM09	42°48.00'	85°37.35'	27	MAIER	<input type="checkbox"/>	<input type="checkbox"/>
05N11W21-SM10	42°48.62'	85°36.76'	44	MAIER	<input type="checkbox"/>	<input type="checkbox"/>
05N11W29-GM02	42°47.74'	85°38.12'	40	MARTIN	<input type="checkbox"/>	<input type="checkbox"/>
03N11W09-DM01	42°39.90'	85°36.40'	25	Mikluscak	<input type="checkbox"/>	<input type="checkbox"/>
03N11W15-SM01	42°38.80'	85°35.91'	40	Misak	<input type="checkbox"/>	<input type="checkbox"/>
04N10W18SM01	42°43.70'	85°32.50'	50	MORREN	<input type="checkbox"/>	<input type="checkbox"/>
03N09W05-SM01	42°40.65'	85°24.15'	63	Mckeown	<input type="checkbox"/>	<input type="checkbox"/>
04N11W04-AN01	42°46.00'	85°32.95'	74	NICKOLS	<input type="checkbox"/>	<input type="checkbox"/>
04N11W22-AN02	42°36.35'	85°35.45'	65	Nickols	<input type="checkbox"/>	<input type="checkbox"/>

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Facility Name				NPDES or COC PERMIT NUMBER		
Site Identification Number	Latitude	Longitude	Acres	Owners Last Name	New Site? (check if yes)	CPLR Site? (check if yes)
02N11W30-E001	42°31.55	85°39.20	78	OETMAN	<input type="checkbox"/>	<input type="checkbox"/>
02N11W23-E002	42°32.43'	85°34.83'	58 ⁶²	OETMAN	<input type="checkbox"/>	<input type="checkbox"/>
04N10W05-RP01	42°45.50'	85°30.60'	33	PALMER	<input type="checkbox"/>	<input type="checkbox"/>
05N11W24-GM01	42°48.44'	85°32.93'	30	PATERSON	<input type="checkbox"/>	<input type="checkbox"/>
05N11W23-JP01	42°47.98'	85°34.10'	150	POST JESSIE	<input type="checkbox"/>	<input type="checkbox"/>
04N11W02-DR01	42°45.75'	85°35.00	23	Rogers	<input type="checkbox"/>	<input type="checkbox"/>
04N11W02-DR02	42°45.75'	85°34.85'	55	Rogers	<input type="checkbox"/>	<input type="checkbox"/>
04N11W02-DR04	42°45.52'	85°34.85'	10	Rogers	<input type="checkbox"/>	<input type="checkbox"/>
04N11W02-DR05	42°46.02'	85°34.82'	30	Rogers	<input type="checkbox"/>	<input type="checkbox"/>
04N11W03-DR06	42°45.86'	85°36.18'	50	Rogers	<input type="checkbox"/>	<input type="checkbox"/>
04N11W36-SR01	42°41.33'	85°32.92'	63	ROORDA	<input type="checkbox"/>	<input type="checkbox"/>
03N11W10-RS02	42°39.82	85°35.65'	37	Satterlee	<input type="checkbox"/>	<input type="checkbox"/>
04N10W04GS01	42°45.91'	85°30.27'	36	Schantz	<input type="checkbox"/>	<input type="checkbox"/>
04N10W29GS01	42°42.51'	85°31.20	87	Seif, Bill	<input type="checkbox"/>	<input type="checkbox"/>
04N11W01-KS01	42°45.62'	85°33.80	60	Seif, KEN	<input type="checkbox"/>	<input type="checkbox"/>
03N10W01-JS02	42°40.72'	85°25.80'	20	Shaw	<input type="checkbox"/>	<input type="checkbox"/>
03N10W01-JS03	42°40.97'	85°25.98'	54	Shaw	<input type="checkbox"/>	<input type="checkbox"/>
03N09W06-JS04	42°40.83'	85°25.48'	31	Shaw	<input type="checkbox"/>	<input type="checkbox"/>
03N10W01-JS05	42°40.57'	85°25.83	54	Shaw	<input type="checkbox"/>	<input type="checkbox"/>
03N10W01-JS06	42°40.38'	85°25.81	31	Shaw	<input type="checkbox"/>	<input type="checkbox"/>
03N10W01-JS07	42°40.39'	85°25.96	38	Shaw	<input type="checkbox"/>	<input type="checkbox"/>

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EQP 5852 (200)

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Facility Name				NPDES or COC PERMIT NUMBER		
Site Identification Number	Latitude	Longitude	Acres	Owners Last Name	New Site? (check if yes)	CPLR Site? (check if yes)
03N09W06-JS08	42°40.35'	85°25.50'	33	SHAW	<input type="checkbox"/>	<input type="checkbox"/>
03N10W02-JS09	42°40.81'	85°27.22'	29	SHAW	<input type="checkbox"/>	<input type="checkbox"/>
04N11W03-MS01	42°46.00'	85°35.29'	73	STANTON	<input type="checkbox"/>	<input type="checkbox"/>
04N11W03-MS02	42°46.00'	85°35.52'	60	STANTON	<input type="checkbox"/>	<input type="checkbox"/>
11N10W32-HS01	43°17.95'	85°32.40'	50	STOUALL	<input type="checkbox"/>	<input type="checkbox"/>
02N10W19-JS01	42°33.10'	85°32.00'	94	SLUNICK	<input type="checkbox"/>	<input type="checkbox"/>
04N11W14-NT03	42°43.65'	85°34.10'	70	THEDE	<input type="checkbox"/>	<input type="checkbox"/>
04N11W13-NT04	42°43.65'	85°33.75'	79	THEDE	<input type="checkbox"/>	<input type="checkbox"/>
04N10W04-AV01	42°46.03'	85°30.26'	29	VANDER WEIDE	<input type="checkbox"/>	<input type="checkbox"/>
02N11W09-DV01	42°34.35'	85°36.30'	36	VANDER MEULEN	<input type="checkbox"/>	<input type="checkbox"/>
02N11W10-DV02	42°34.41'	85°35.77'	110	VANDER MEULEN	<input type="checkbox"/>	<input type="checkbox"/>
10N11W18-KV01	43°15.09'	85°39.74'	15	VAN LANGEN	<input type="checkbox"/>	<input type="checkbox"/>
10N11W19-KV02	43°14.66'	85°40.16'	40	VAN LANGEN	<input type="checkbox"/>	<input type="checkbox"/>
03N11W01-RWD1	42°40.39'	85°33.74'	20	WASHBURN	<input type="checkbox"/>	<input type="checkbox"/>
05N11W22-LW01	42°48.46'	85°35.31'	15	WAYENBERG	<input type="checkbox"/>	<input type="checkbox"/>
05N11W23-LW02	42°48.60'	85°34.91'	39	WAYENBERG	<input type="checkbox"/>	<input type="checkbox"/>
05N11W23-LW03	42°48.60'	85°34.61'	84	WAYENBERG	<input type="checkbox"/>	<input type="checkbox"/>
02N11W02-BW01	42°35.56'	85°34.54'	26	WELKER	<input type="checkbox"/>	<input type="checkbox"/>
02N11W22-BW01	42°32.47'	85°35.37'	130	WESTENDORP	<input type="checkbox"/>	<input type="checkbox"/>
02N11W21-BW02	42°32.61'	85°34.68'	90	WESTENDORP	<input type="checkbox"/>	<input type="checkbox"/>
02N11W10-BW03	42°33.98'	85°35.59'	80	WESTENDORP	<input type="checkbox"/>	<input type="checkbox"/>
06N12W09-WW01	42°55.40'	85°44.58'	2	City of Wyoming	<input type="checkbox"/>	<input type="checkbox"/>

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EQP 5852 (2/00)

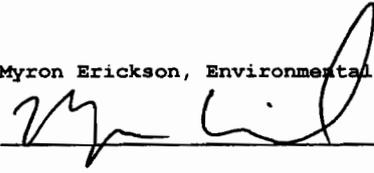
JUN 09 2000

SURFACE WATER QUALITY DIV.
GRAND RAPIDS

RESIDUALS MANAGEMENT PROGRAM

SECTION IV – SIGNATURE PAGE

PLEASE TYPE OR PRINT

Facility Name Wyoming Clean Water Plant	NPDES or COC PERMIT NUMBER MI0024392
1. CERTIFICATION	
<i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that qualified personnel properly gather and evaluate 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 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.</i>	
Name and official title	Myron Erickson, Environmental Services Supervisor
Signature	
Telephone number	616.261.3562
Date signed	7 June 2000
Upon request from the State, you may be required to submit additional information necessary to access biosolids use or disposal practices at your facility or to identify appropriate permitting requirements.	
SEND COMPLETED FORMS TO THE APPROPRIATE DISTRICT OFFICE LISTED IN APPENDIX A.	

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JUN 09 2000

**SURFACE WATER QUALITY DIV.
GRAND RAPIDS**