MoDOT

Exhibit L Concordia

105 West Capitol Avenue
P.O. Box 270
Jefferson City, Missouri 65102

Missouri Department of Transportation
Kevin Keith, Director

573.751.2551
Fax: 573.751.6555
1.888.ASK MODOT (275.6636)

November 20, 2012

Department of Natural Resources
Division of Environmental Quality
Kansas City Region Office
500 NE Colbern Road
Lee's Summit, MO 64086-4710

Attn: Mr. Aaron Bleibaum Water Pollution Control Unit

Dear Mr. Bleibaum,

Attached is the plan for closure of lagoons at the MoDOT west bound Concordia Rest Area at I-70 mile marker 57.6. Permit number MO 0085804. The rest area is scheduled to be connected to the City of Concordia waste water treatment system. The lagoons will then lay dormant until closure.

Land disturbance permit and permit termination form J will be submitted after the water is removed from the lagoons and they're ready to be closed and seeded.

Sincerely,

Kevin Wideman
Sr. Environmental Specialist

Copies: General Services-1gs
Joey Hinton KC General Services

enclosures

Closure Plan for Wastewater Treatment Lagoon
Missouri Department of Transportation
Concordia Rest Area

Permit No. MO-0085804
Owner: Missouri Department of Transportation

I Facility Description

A Type: three cell lagoon
B Location; Interstate 70, & Mile Marker 57.6 West Bound, Concordia, Mo 64020
C Size:
Dimensions: Total 2.2 acres lagoon surface area 4.6 acres inside fenced area
Capacity: 37,000 gallons per day
Pop. Equiv.: 370
D Age: Put in service 1966

II Waste water

A Quantity	Total operating volume approximately 2,728,665 gallons
B Quality	Pumped at a rate no greater than 111,000 gallons per day discharge to waters of the state within permit limits
C Method of Disposal	Pumped at a rate no more than 111,000 gpd from cell one to cell two and cell two to cell three and finally cell three. Leave six inches of water above sludge layer in third cell which would need to be pumped to the POTW
D Alternate Method	After connection to the POTW, pump at a rate agreed upon with the city to the POTW.

III Sludge

A Quantity	approximately 46.07 CY in cell one, 12.96 CY in Cell two and 2.04 CY in cell three
B Quality	Sludge in cell one 41.46 dry tons (737.98 lbs of PAN) Sludge in cell two 12.96 dry tons (68.04 lbs of PAN) Sludge in cell three 1.83 dry tons (11.45lbs of PAN)
Total	Total 61.07 CY, 56.25 dry tons, 817.47 lbs of PAN
C Method of Disposal	Sludge will be left in place since lagoons are more than 15 years old. Lagoons and area equal 4 plus acres of area to be mixed with the sludge

IV Structure

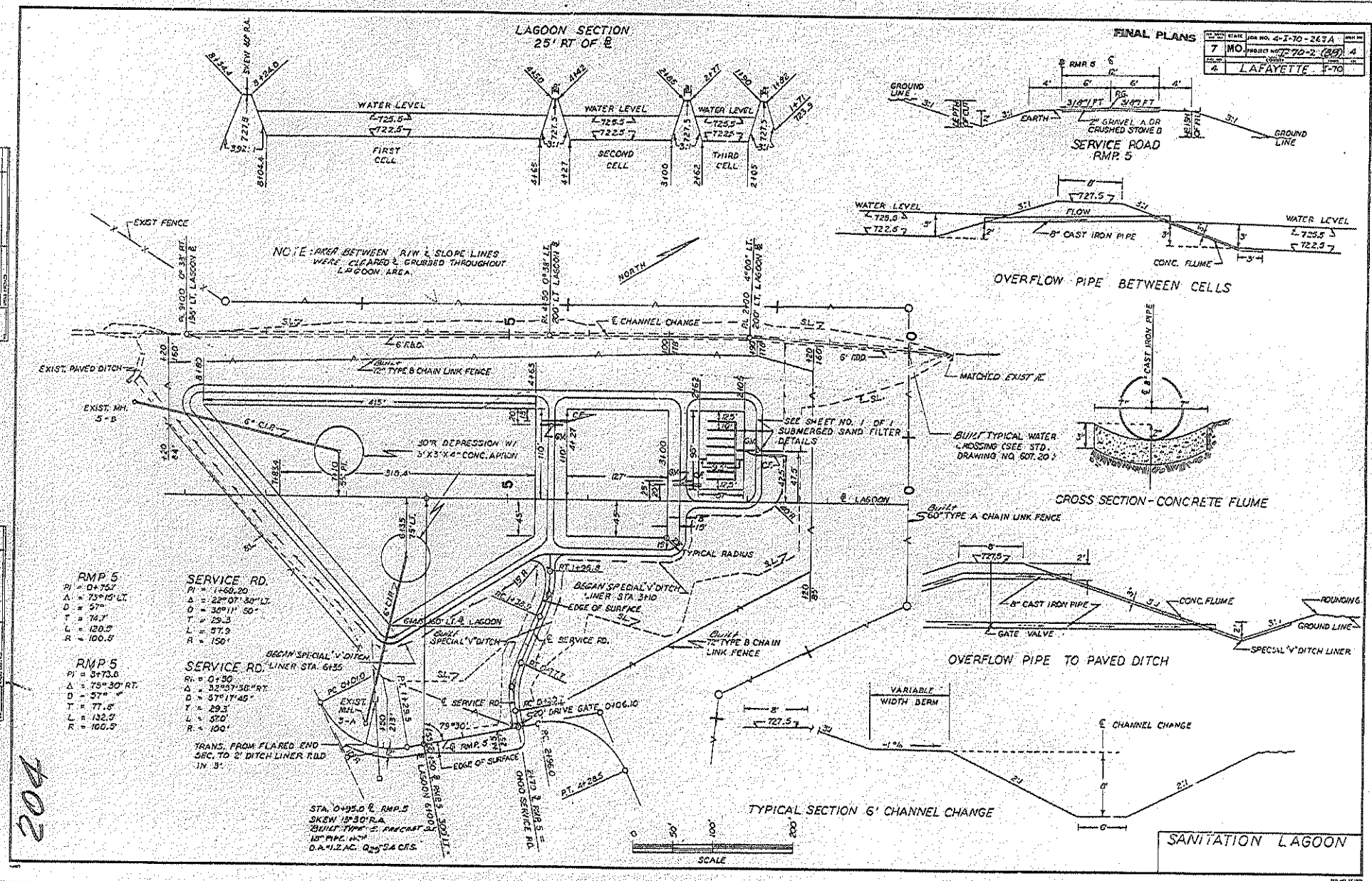
The lagoons are to be destroyed by filling in. Sludge left in place and the berms turned in and mixed with the sludge on a 1:1 ratio. Smoothed over and seeded to grass. There is no mechanical plant with these lagoons.

Note: Laboratory analysis attached

Concordia Rest Area Lagoons

FINAL PLANS

STATE	FED. RD. DIV. NO.	FED. AID PROJ. NO.	SHEET NO.
MO.	7	F-70-2 (89)	4
COUNTY			
LAFAYETTE	4	F-70	



202

INOVATIA® LABORATORIES, LLC

120 East Davis Street
P.O. Box 30
Fayette, MO 65248-0030

Phone: (660) 248-1911
Fax: (660) 248-1921
http://www.inovatia.com

ANALYSIS REPORT

Chain of Custody Number: 12-1064
Project Name / Number: N/A / N/A
Date Collected: 10/24/12
Time Collected: 08:30

Sample Number: 2DKRW401
Lab Number: 125219
Sample Matrix: Sludge
Sample Type: Grab

Analysis	Result	Units	Reporting Limit	Analysis Method	Date - Analyst
Nitrogen, Ammoniacal	60	mg/Kg	1	SM 4500-NH3 C	10/30/2012 - MWL
Nitrogen, Total Kjeldahl	538	mg/Kg	2.5	PAI-DK 01	10/31/2012 - MWL
Nitrogen, Nitrate-Nitrite	< 0.2	mg/Kg	0.2	EPA 353.2	10/31/2012 - MWL
Percent Solids	1.75	%	0.01	SM 2540 G	10/29/2012 - MWL
Plant Available Nitrogen	17.8	lb/ton of dry sludge	N/A	Calculation	11/2/2012 - MWL

Notes:

Report Date: 11/02/12

This report has been produced for the exclusive and confidential use of our clients. Reference to the analyses, the results, or the company in any news releases, advertising, or other public announcement is prohibited without obtaining prior written consent.

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ANALYSIS REPORT

Chain of Custody Number: 12-1064
Project Name / Number: N/A / N/A
Date Collected: 10/24/12
Time Collected: 08:40

Sample Number: 2DKRW402
Lab Number: 125220
Sample Matrix: Sludge
Sample Type: Grab

Analysis	Result	Units	Reporting Limit	Analysis Method	Date - Analyst
Nitrogen, Ammoniacal	26	mg/Kg	1	SM 4500-NH3 C	10/30/2012 - MWL
Nitrogen, Total Kjeldahl	207	mg/Kg	2.5	PAI-DK 01	10/31/2012 - MWL
Nitrogen, Nitrate-Nitrite	< 0.2	mg/Kg	0.2	EPA 353.2	10/31/2012 - MWL
Percent Solids	2.37	%	0.01	SM 2540 G	10/29/2012 - MWL
Plant Available Nitrogen	5.25	lb/ton of dry sludge	N/A	Calculation	11/2/2012 - MWL

Notes:

Report Date: 11/02/12

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ANALYSIS REPORT

Chain of Custody Number: 12-1064
Project Name / Number: N/A / N/A
Date Collected: 10/24/12
Time Collected: 09:00

Sample Number: 2DKRW403
Lab Number: 125221
Sample Matrix: Sludge
Sample Type: Grab

Analysis	Result	Units	Reporting Limit	Analysis Method	Date - Analyst
Nitrogen, Ammoniacal	22	mg/Kg	1	SM 4500-NH3 C	10/30/2012 - MWL
Nitrogen, Total Kjeldahl	229	mg/Kg	2.5	PAI-DK 01	10/31/2012 - MWL
Nitrogen, Nitrate-Nitrite	< 0.2	mg/Kg	0.2	EPA 353.2	10/31/2012 - MWL
Percent Solids	2.03	%	0.01	SM 2540 G	10/29/2012 - MWL
Plant Available Nitrogen	6.25	lb/ton of dry sludge	N/A	Calculation	11/2/2012 - MWL

Notes:

Report Date: 11/02/12

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STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION

MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended.

Permit No.:	MO-0085804
Owner:	Missouri Department Of Transportation (MDOT)
Address:	5117 East 31st Street, Kansas City, MO 64128
Continuing Authority:	Same as above
Address	Same as above
Facility Name:	MDOT, I-70 Rest Area
Address:	Concordia, MO 64020
Legal Description:	NW ¼, SW ¼, Sec. 32, T49N, R24W, Lafayette County
Receiving Stream & Basin:	Tributary to Davis Creek
First Classified Stream and ID:	Davis Creek (C) (00907)
USGS Basin & Sub-watershed No.:	(10300104-060004)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001 - State Owned Rest Area - SIC #4952
Three cell lagoon/sludge is retained in lagoon.
Design population equivalent is 370.
Design flow is 37,000 gallons per day.
Actual flow is 5,000 gallons per day.
Design sludge production is 5.6 dry tons/year.
Actual sludge production is 0.76 dry tons/year.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

Effective Date

Expiration Date

Stephen M. Mahfood, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

James A. Vaky, Director, Kansas City Regional Office

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

PERMIT NUMBER MO-0085804

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:

OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfall #001						
Flow	MGD	*		*	once/quarter**	24 hr. estimate
Biochemical Oxygen Demand$_5$***	mg/L		65	45	once/quarter**	grab
Total Suspended Solids***	mg/L		120	80	once/quarter**	grab
pH - Units	SU	****		****	once/quarter**	grab

MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE October 28, 2004. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

B. STANDARD CONDITIONS

IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED Parts I & III STANDARD CONDITIONS DATED October 1, 1980 and August 15, 1994, AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

* Monitoring requirement only.
** Once per quarter in the months of March, June, September, and December.
*** This facility is required to meet a removal efficiency of 65% or more.
**** pH is measured in pH units and is not to be averaged. The pH is to be maintained at or above 6.0 pH units.

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
   (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
      (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
      (2) controls any pollutant not limited in the permit.
   (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
   (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

   The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.

C. SPECIAL CONDITIONS (continued)

3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.

4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:
(a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
  (1) One hundred micrograms per liter (100 µg/L);
  (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
  (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
  (4) The level established in Part A of the permit by the Director.
(b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.

5. Report as no-discharge when a discharge does not occur during the report period.

6. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
(a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
(b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
(c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
(d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
(e) There shall be no significant human health hazard from incidental contact with the water;
(f) There shall be no acute toxicity to livestock or wildlife watering;
(g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
(h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

7. Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities
(a) Permittee shall comply with the pollutant limitations, monitoring, reporting, and other requirements in accordance with the attached permit Standard Conditions.
(b) If sludge is not removed by a contract hauler, permittee is authorized to land apply biosolids. Permit Standard Conditions, Part III shall apply to the land application of biosolids. Permittee shall notify the department at least 180 days prior to the planned removal of biosolids. The department may require submittal of a biosolids management plan for department review and approval as determined appropriate on a case-by-case basis.