Sewer Acct.#: **1024309000**

Company: **ST LOUIS UNIVERSITY**

Address: **3500 Lindell**

City: **St Louis**

State and Zip: **MO 63103**

Industry ID	File Code	File Description
81630	30	INDUSTRY

Metropolitan St. Louis Sewer District

Division of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
Phone: 314.436.8710 www.stlmsd.com

April 8, 2021

Kevin Ferguson
Associate Radiation Safety Officer
ST LOUIS UNIVERSITY HEALTH SCIENCES CENTER
1402 S. Grand Blvd.
Caroline Bldg. – C305
St. Louis, MO 63104

Re: Radioactive Materials Discharges

Dear Mr. Ferguson,

We have reviewed your January 12, 2021 request for permission to cease the submittal of radioactive material discharge reports from the following facilities:

- **ST LOUIS UNIVERSITY**
  3500 Lindell

Per your March 26, 2021 email, we understand that only one lab authorized for drain disposal of radioactive waste from the St. Louis University Frost campus keeps radioactive waste onsite. Though onsite, radioactive waste has not been disposed of down the drain in over a decade at this location. Instead, it is collected and disposed of at St. Louis University Health Sciences (the medical school).

Based on the information you provided, we are revoking the approval for St. Louis University to discharge small quantities of radioactive material to the Metropolitan St. Louis Sewer District. Following the submittal of the 1st quarter 2021 reports, due no later than **April 28, 2021**, quarterly reports from this facility will no longer be required. St. Louis University Health Sciences will be the only approved location, and quarterly reports must continue to be submitted.

If you wish to resume discharge of radioactive material to MSD's sewer system from St. Louis University, you must obtain approval from us prior to any discharge. Your request must contain at least the following information:

- A list itemizing the isotopes used, and identifying those to be discharged
- Decay rates (half-life) for those isotopes to be discharged
- Information concerning the form of radiation emitted by each isotope (i.e. alpha, beta, gamma)
- The total level of radiation anticipated to be discharged, along with a list of the radiation level corresponding to each isotope
- The discharge locations of the radioactive materials within your facility, and the connection points to MSD's sewers for these discharge locations

- Verification that the material is readily soluble or readily dispersible biological material
- Copies of your radioactive materials licenses

Thank you for your assistance in helping us to comply with state and federal regulations. If you have any questions, please contact me at 314.436.8762.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Carly Reidt

Carly Reidt
Assistant Engineer

ec: Doug Mendoza
Dave Kupke
Joe Grib

FILE: ST LOUIS UNIVERSITY, 1024309000, Industry
ST LOUIS UNIVERSITY HEALTH SCIENCES CENTER, 1020548300, Industry

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University Health Sciences Center; Medical School** 102 0548300
Permit No: -
Premise No: **1402 South Grand Boulevard, 63104**
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
H-3	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 4/18/19

RECEIVED
APR 19 2019
DIVISION OF
ENVIRONMENTAL COMPLIANCE

MSD

MSD-DEC INDUSTRY SAMPLING MAP

MSD

Company Name: ST LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63103

Nearest Intersection: N GRAND

Wunnenberg: H20-27 Base Map: 19F4

MSD Account No.: ~~51121347-00~~ 1024309000

Total No. of Active Sample Points: 5

Active SP Nos: 003,007,008,011,012

Field Contact: TOM THEURER (977-2069)

Alternate Contact: RENEE KNOLL (977-6884)

Must contact prior to sampling: Yes ____ No X

Reason: ____

Company wants to split samples: Yes ____ No X

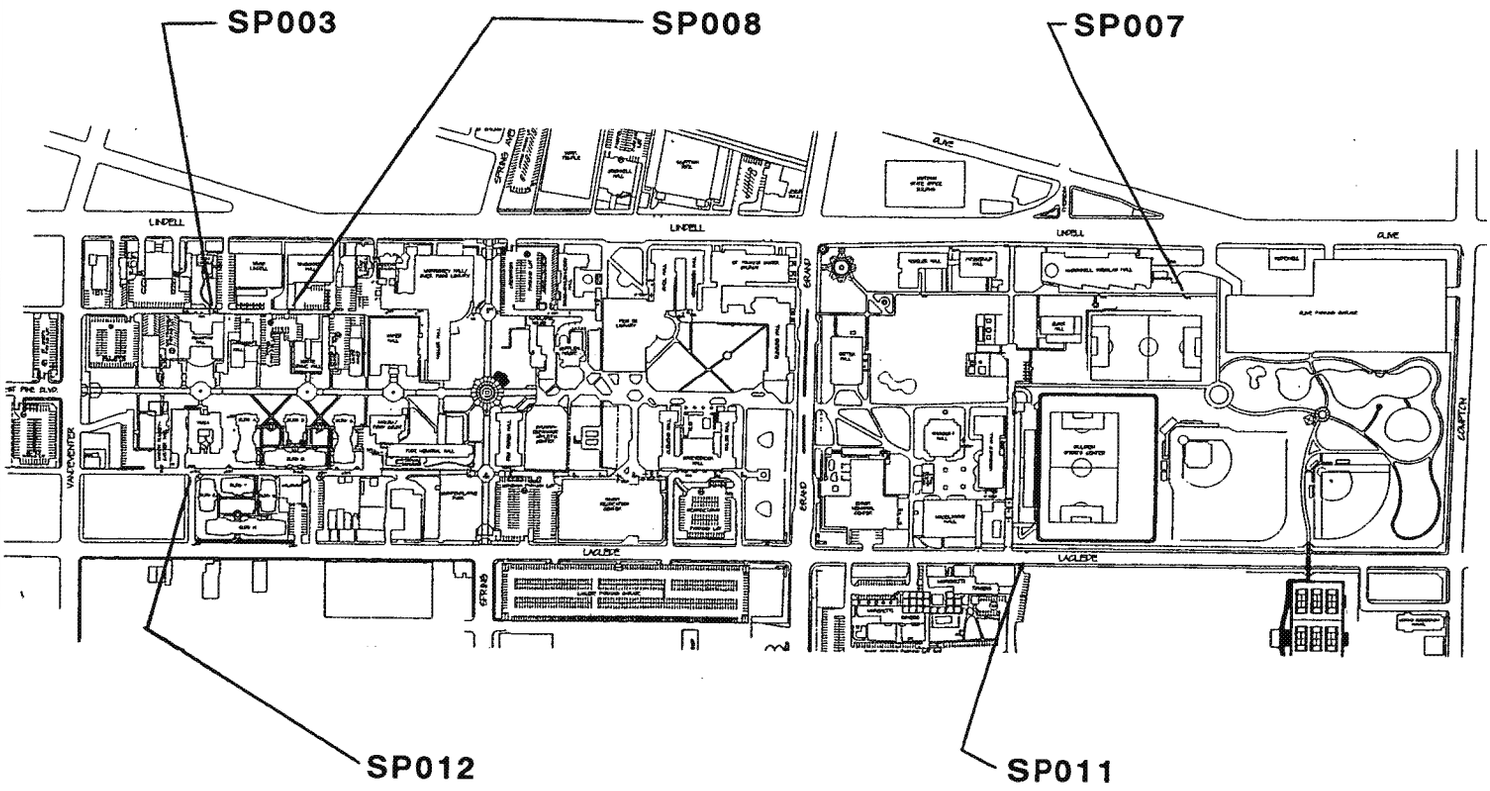
Special Sampling Requirements or Instructions:

Map Effective Date: 7-1-99 By: DAB

Map Revision Date: 06-30-03 By: JEG

Map Revision Date: ~~04/25/07~~ 7-5-12 By: ~~JEG~~ SR

Map Void Date: ____ By: ____



SK-STLC/SLU-P1

SP MAP DMM-10/98-1

MAP IS INVALID IF NOT DATED AND INITIALED OR IF VOID DATE IS FILLED IN

MSD

M[redacted]D-DEC INDUSTRY SAMPLING M[redacted]

Company Name: ST LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63103 1024309000

MSD Account No.: ~~51121347-00~~

Use this sheet only for page 2 and following pages.

This page is not valid unless a page 1 using the proper form is attached.

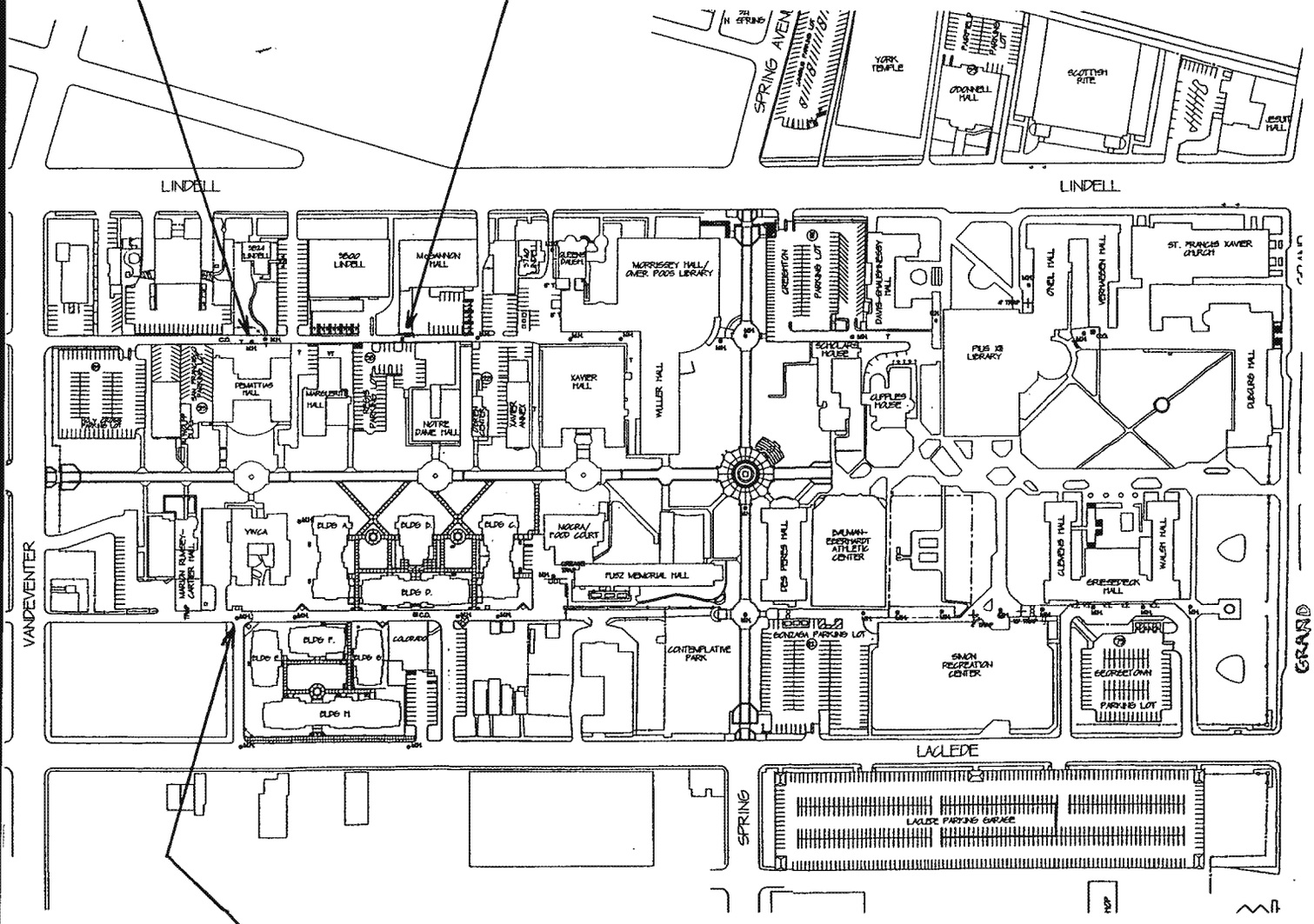
Map Effective/Revision/Void Date must correspond to the date on page 1.

Map Effective Date: 7-1-99 By: DAB Map Revision Date: ~~04/25/07~~ 7-5-12 By: ~~JEG~~ SR

Map Revision Date: 06-30-03 By: JEG Map Void Date: By:

SP003 - MH BY DUMPSTER IN ALLEY S OF LINDELL 48'W,15'N OF NE CRNR OF DEMATTIAS HALL

SP008 - MH IN ALLEY S OF LINDELL- 36'E, 75'S OF SE CRNR OF HUMANITIES BLDG(3800 LINDELL)



SP012 - MH IN ALLEY OFF LACLEDE,15'N,15'E OF NE CRNR OF SOCCER FIELD AT VANDEVENTER & LACLEDE

SK-STL/SLU-P2

SP MAP DMM-10/98-2

MAP IS INVALID IF NOT DATED AND INITIALED OR IF VOID DATE IS FILLED IN

MSD-DEC INDUSTRY SAMPLING MAP

MSD

Company Name: SAINT LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63103

MSD Account No.: ~~51121347-00~~ 1024309000

Use this sheet only for page 2 and following pages.

This page is not valid unless a page 1 using the proper form is attached.

Map Effective/Revision/Void Date must correspond to the date on page 1.

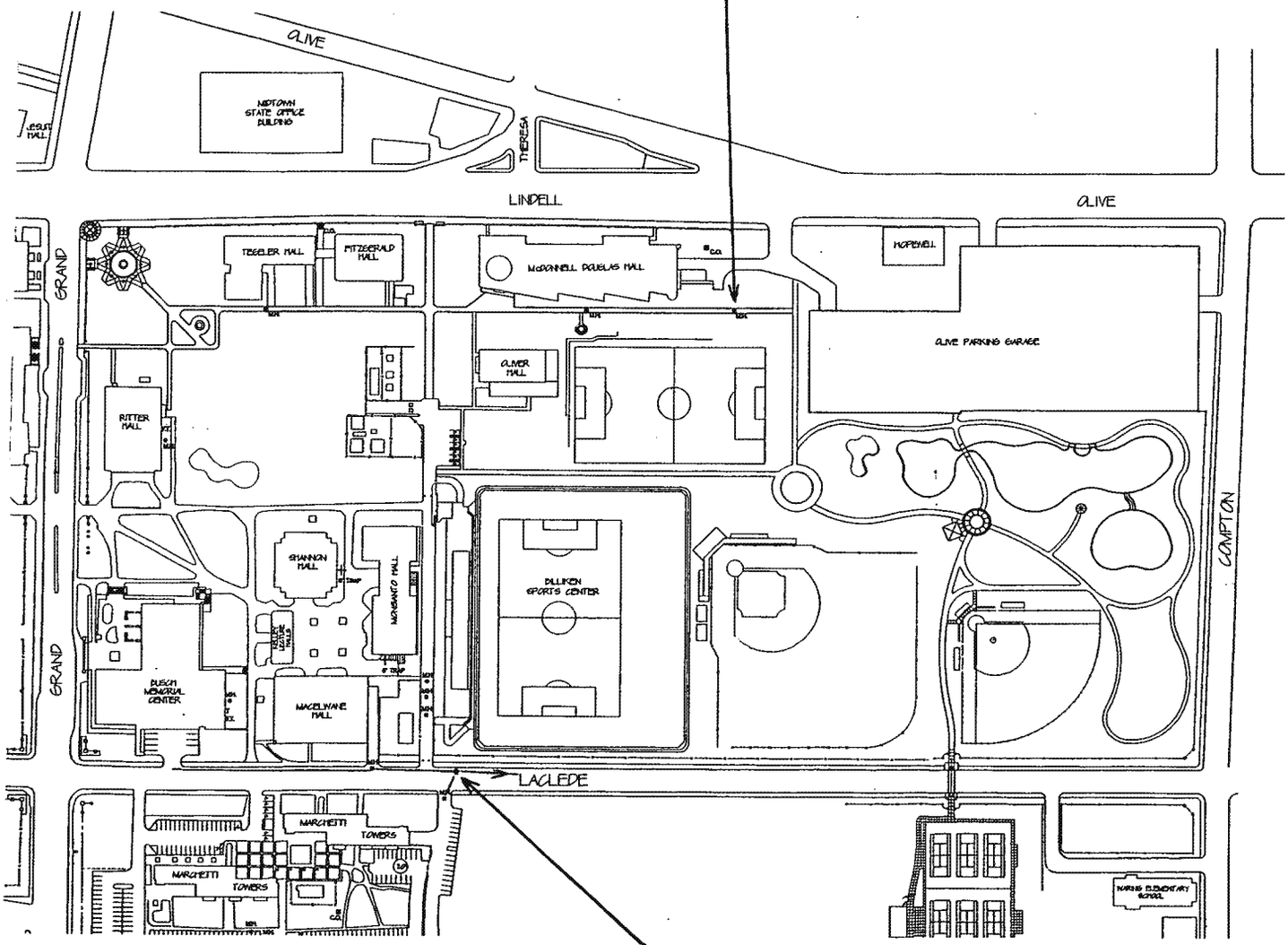
Map Effective Date: 7-1-99 By: DAB

Map Revision Date: 06-30-03 By: JEG

Map Revision Date: ~~04/25/07~~ 7-5-17 By: ~~JEG~~ ~~AMA~~ SR

Map Void Date: By:

SP007 - MH IN SIDEWALK 90'W OF PARKING GARAGE AT OLIVE ST, S OF LINDELL BLVD



SP011 - FLOW FROM NW IN MH IN WALKWAY ON LACLEDE AT SW CRNR OF BILIKEN SPORTS CENTER

SK-STL/SLU-P3

SP MAP DMM-10/98-2

MAP IS INVALID IF NOT DATED AND INITIALED OR IF VOID DATE IS FILLED IN

MSD

MSD-DEC INDUSTRY SAMPLING MAP

MSD

Company Name: ST LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63103

Nearest Intersection: N GRAND

Wunnenberg: H20-27 Base Map: 19F4

MSD Account No.: 51121347-00

Total No. of Active Sample Points: 5

Active SP Nos: 003,007,008,011,012

Field Contact: TOM THEURER (977-2069)

Alternate Contact: RENEE KNOLL (977-6884)

Must contact prior to sampling: Yes _____ No X

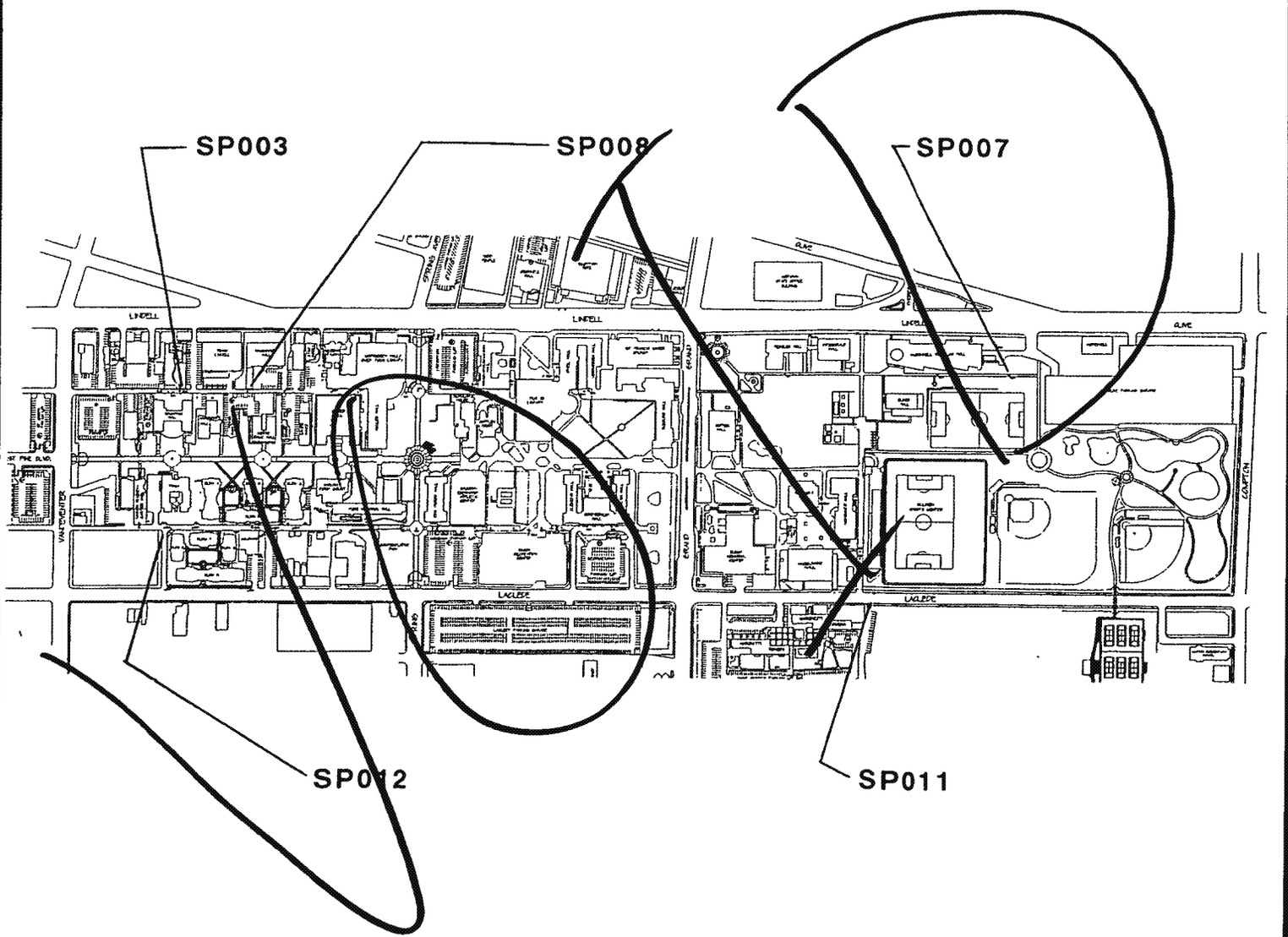
Reason: _____

Company wants to split samples: Yes _____ No X

Special Sampling Requirements or Instructions:

Map Effective Date: 7-1-99 By: DAB Map Revision Date: 04/25/07 By: JEG

Map Revision Date: 06-30-03 By: JEG Map Void Date: 7-5-12 By: SR



SK-STLC/SLU-P1

SP MAP DMM-10/98-1

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MSD

MSD-DEC INDUSTRY SAMPLING MAP

Company Name: ST LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63103

MSD Account No.: 51121347-00

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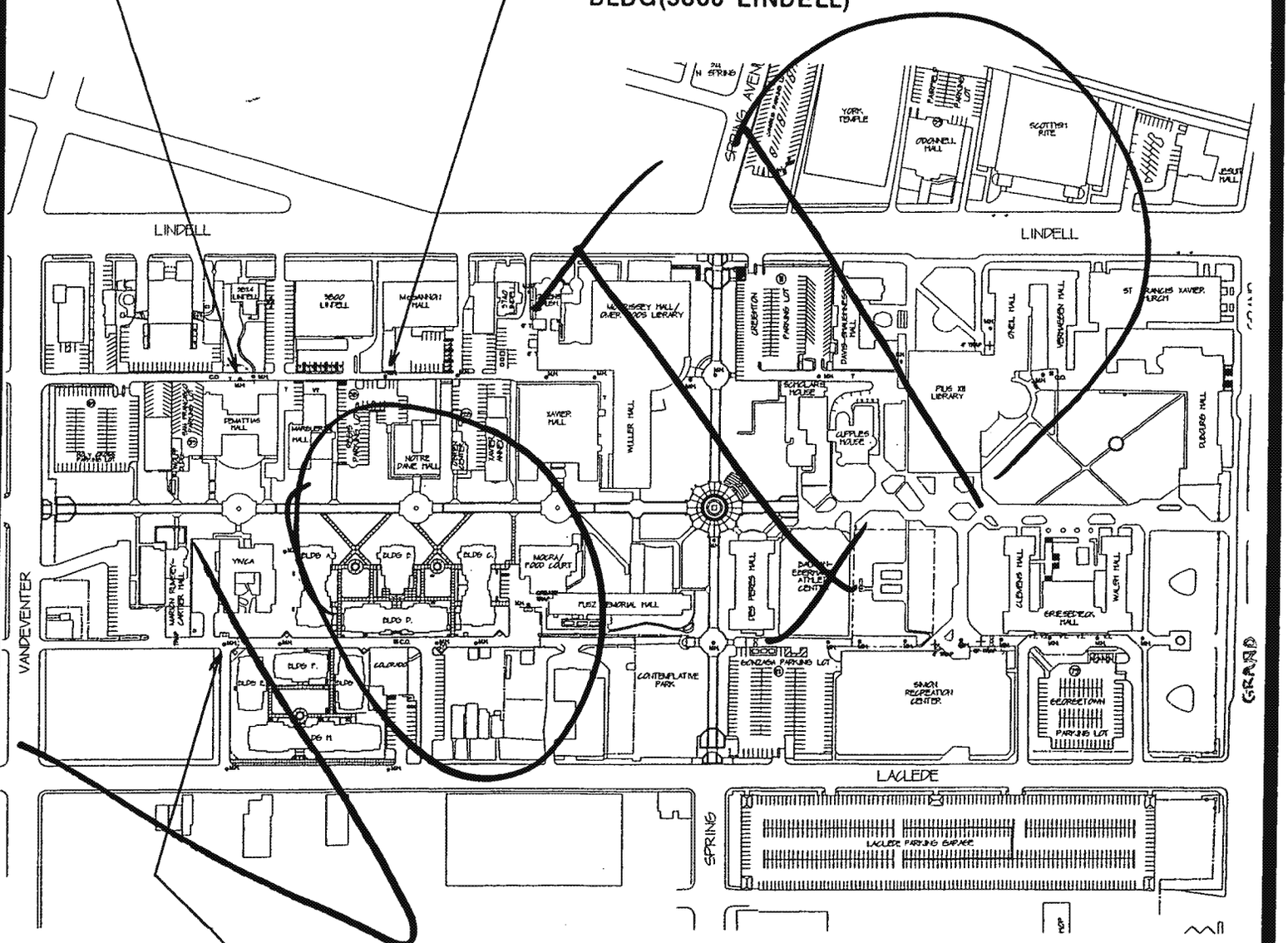
SP008 - MH IN ALLEY S OF LINDELL- 36'E, 75'S OF SE CRNR OF HUMANITIES BLDG(3800 LINDELL)



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SK-STL/SLU-P2

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MSD

MSD-DEC INDUSTRY SAMPLING MAP

Company Name: SAINT LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63103

MSD Account No.: 51121347-00

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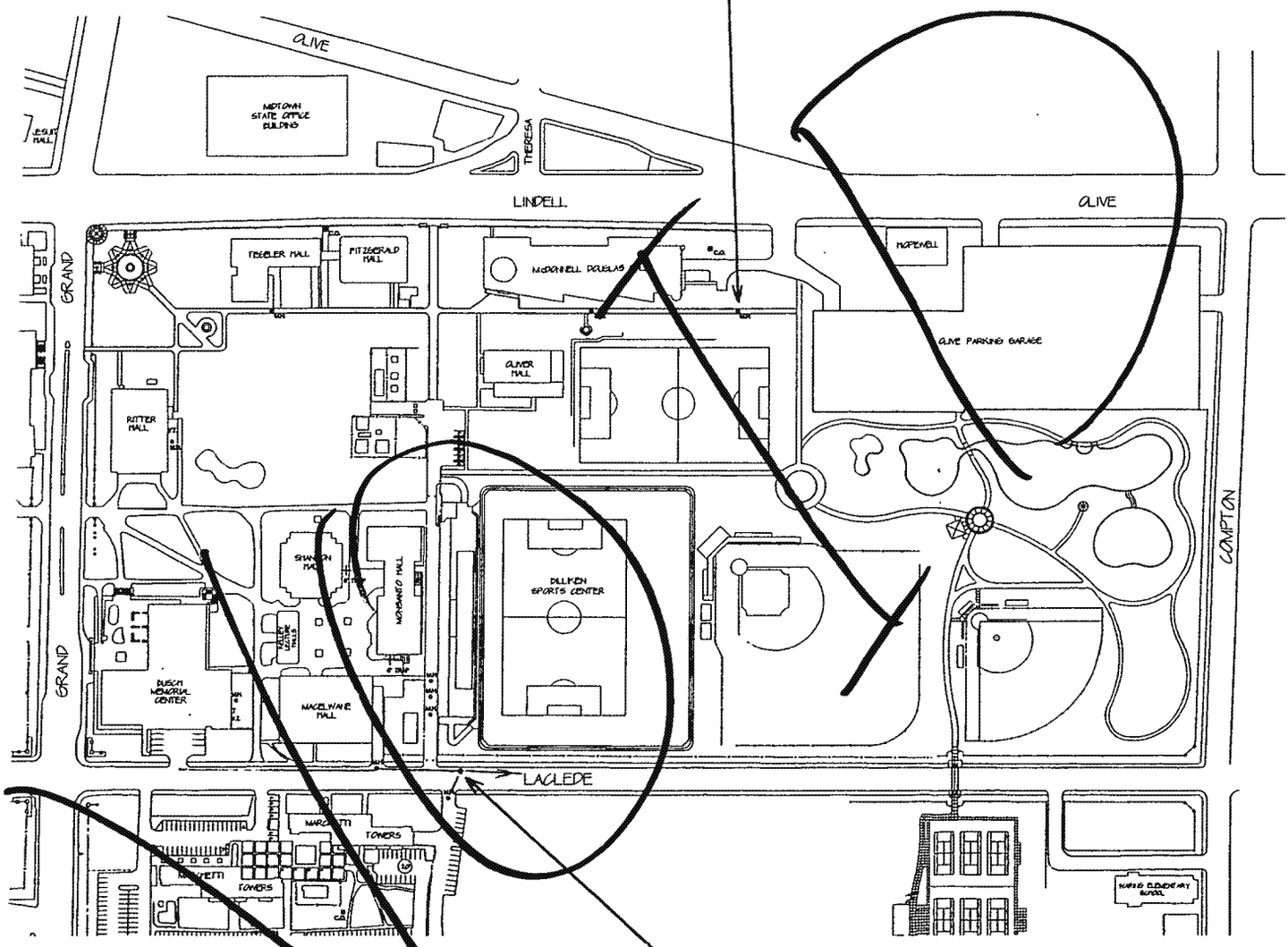
Map Revision Date:	06-30-03	By:	JEG	Map Void Date:	7-5-12	By:	SR

SP007 - MH IN SIDEWALK 90'W OF PARKING GARAGE AT OLIVE ST, S OF LINDELL BLVD



SP011 - FLOW FROM NW IN MH IN WALKWAY ON LACLEDE AT SW CRNR OF BILIKEN SPORTS CENTER

SK-STL/SLU-P3

MAP IS INVALID IF NOT DATED AND INITIALED OR IF VOID DATE IS FILLED IN

Carly Reidt

From: Kevin Ferguson <kevin.ferguson@slu.edu>
Sent: Friday, March 26, 2021 9:52 AM
To: Carly Reidt
Subject: Re: Request for Discontinuation of Authorization for Some Drain Disposal Locations

Hi Carly,

I wish I could provide something like that, but our NRC license doesn't work that way. We have one broad scope license that covers both the University and Hospital, and it uses street boundaries to spell out where licensed materials can be used. Potentially any building owned by the University or Hospital in this part of town could be used for rad. materials under our license. Here is what that section of the license says:

"Licensed material may be used or stored at the licensee's facilities bounded by Olive Boulevard on the north, Shaw Avenue on the south, Compton Avenue on the east, and 39th Street on the west, St. Louis Missouri".

The license also does specifically spell out that Nuclear Medicine and PET/CT departments in the Hospital may use licensed materials. However, there would be no drain disposal of radioactive materials from these clinical areas other than possibly exempt patient excreta. This category of waste is exempt from reporting by NRC and MSD.

The only reason there was ever a drain disposal authorization for the old hospital was due to some labs on the 10th and 11th floor of Bordley Pavilion that were leased space from the hospital. They were all moved out more than a decade ago. Also, over two decades ago there were a few research labs in West Pavilion (Bethesda Eye Institute at the time) that utilized some drain disposal. They were moved out prior to my arrival (23 years ago) and there have been no drain disposals of rad. mat. there since.

Cardinal Glennon also had some old labs down the basement which were leased space. They never drain disposed anything since I came to SLU and were moved out over a decade ago. We no longer have a presence in Cardinal Glennon, and Cardinal Glennon has their own NRC license for the clinical use of rad. materials.

ABI also had leased space on the 5th floor that the labs were moved out of more than a decade ago. There may still be some hospital clinical labs here, but none are authorized for rad. materials and there are no plans to authorize any users in that space, nor would we allow drain disposal in the unlikely event that did happen.

Two labs on Frost campus are authorized for rad. materials, but only one has any on hand. We do not put any rad. materials down the drain on Frost campus and have not for at least a decade. If any aqueous rad. waste was generated, it would disposed via the Med. School drain.

We have not drain disposed rad. materials in various locations throughout the campus for years and have only used one drain in the Med. School for this purpose in the recent past. There has never been any authorization in individual labs for drain disposal. We have mostly only authorized one drain per building (there were two in one building in one case). This was partly to make tracking easier and partly because we didn't want to contaminate all the plumbing in our buildings. The research use of radioactive materials has steadily declined for the past two decades and will likely continue to do so as other methods are replacing its use. Of the currently authorized drain disposal locations, only Frost campus has any current authorization for rad.

materials (other than Med. School). Since we would be picking up other waste streams (such as dry solid waste and scintillation vials) from Frost anyway, it just makes sense to pick up any aqueous waste as well and dispose down a single sink (which is what we have done on the rare occasions it has been required in the past decade from Frost campus).

Sorry for the lengthy email. I just wanted to be a little more detailed in my explanation. If MSD decides that we need to retain these authorized locations then we will continue to report them every quarter, but we will not be actually using them for rad. materials disposal, except for the Med. School drain.

Please let me know if you need anything else.

Thanks,
Kevin

Kevin Ferguson
Associate Radiation Safety Officer
Research Integrity and Safety Group

Office of the Vice President for Research
Saint Louis University

314-977-6896
kevin.ferguson@slu.edu

Caroline C-305

From: Carly Reidt <creidt@stlmsd.com>
Sent: Thursday, March 25, 2021 2:00 PM
To: Kevin Ferguson <kevin.ferguson@slu.edu>
Subject: [External] RE: Request for Discontinuation of Authorization for Some Drain Disposal Locations

Hi Kevin!

Question for you…I'm assuming all of the facilities that are no longer discharging the radioactive materials have an NRC license, except for maybe the new SLU Hospital. Do you by any chance have any sort of documentation from the NRC showing the licenses have been terminated? If you do, that might be helpful.

Thanks again for your patience!

-Carly

Carly Reidt
Assistant Engineer -- Environmental Compliance
Metropolitan St. Louis Sewer District
10 East Grand Avenue
St. Louis, MO 63147

Carly Reidt

From: Kevin Ferguson <kevin.ferguson@slu.edu>
Sent: Tuesday, January 12, 2021 11:04 AM
To: Carly Reidt
Subject: Request for Discontinuation of Authorization for Some Drain Disposal Locations
Attachments: Letter to MSD - Deletion of Permits Radionuclide Discharge - 2021-01-01DRAFT.docx

Hi Carly,

Here is the letter we previously discussed requesting the discontinuation of authorization for several disposal locations. The only one we would like to retain is the Med. School location.

With research radionuclide use in decline for several decades now and few disposals needed, there is no reason to retain any other location. The legacy hospital at one time housed research labs, but neither it nor the new hospital currently have any research labs, nor are there plans for any. There will be no radionuclide discharges in either the legacy or new hospital that are not exempt patient related. Please let me know if you need anything else.

Thanks,
Kevin

Kevin Ferguson
Associate Radiation Safety Officer
Research Integrity and Safety Group

Office of the Vice President for Research
Saint Louis University

314-977-6896
kevin.ferguson@slu.edu

Caroline C-305

SAINT LOUIS UI

SAINT LOUIS UNIVERSITY.
EST. 1818

ASSOCIATE RADIATION SAFETY OFFICER

ENVIRONMENTAL HEALTH & SAFETY

1402 South Grand Blvd.
Caroline Building – C305
St. Louis, MO 63104

P: 314-977-6896
M: 636-667-6687
F: 314-977-5560
kevin.ferguson@slu.edu

www.slu.edu

January 11, 2021

Carly Reidt
Assistant Engineer - Environmental Compliance
Metropolitan St. Louis Sewer District
10 East Grand Avenue
St. Louis, MO 63147

SUBJECT: Request for Deletion of Authorized Locations for Drain Disposal of Low-Level Radionuclide Effluents

Dear Ms. Reidt:

We would like to request that the radioactive materials discharge permits be discontinued for the locations listed below. None of these locations have been used in many years and/or there are no plans to use them in the future. There will be no radioactive materials discharged into the sewer system from either the legacy SSM SLU Hospital or the new SSM SLU Hospital that are not exempt patient related.

1. **Saint Louis University Health Sciences Center; Anheuser Busch Institute**
   Permit No: 41122251-02
   Premise No: 1755 South Grand Boulevard, 63104

2. **Saint Louis University; Frost Campus**
   Permit No: *(none specified)*
   Premise No: 3505 Laclede Avenue, 63103

3. **Cardinal Glennon Hospital**
   Permit No: *(none specified)*
   Premise No: 1465 S. Grand, 63104

4. **Saint Louis University Hospital *(legacy permit)***
   Permit No: 41121951-00
   Premise No: 3635 Vista at Grand Boulevard, 63104

5. **SSM Saint Louis University Hospital *(recently issued permit)***
   Permit No: 1020548801
   Premise No: 3635 & 3655 Vista Avenue, Saint Louis, MO 63110

We are planning to continue small radioactive materials discharges (well below regulatory limits) from the location listed below and would like to retain this permit.

- **Saint Louis University Health Sciences Center; Medical School**
  Permit No: 41121936-00
  Premise No: 1402 South Grand Boulevard, 63104

Higher purpose. Greater good.

If you have any questions regarding this request, please contact me at (636) 667-6687 or at kevin.ferguson@slu.edu.

Sincerely,

Kevin Ferguson
Associate Radiation Safety Officer

Copies to: Dana Baum, Ph.D., Chairperson, Radiation Safety Committee
Matthew Christian, Associate Vice President for Research
Kelly Baumer, Vice President Specialty Services, SSM Health Saint Louis University Hospital
Mark Haenchen, M.S., J.D., Executive Director, Environmental Health & Safety; and Radiation Safety Officer
Madison Himelright, Environmental Safety Specialist, SSM Health Saint Louis University Hospital

Higher purpose. Greater good.

Ch

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 1024309000

Company Name: Saint Louis University; Frost Campus ~~1020548300~~
Permit No: -
Premise No: 3505 Laclede Avenue, 63103
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: [signature] Date: 4/08/19

RECEIVED
APR 19 2019
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR
4/15

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103** 1024-3090-00
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 12/4/19

RECEIVED
JAN 07 2019
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University, Frost Campus** 1024309000
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 10/9/19

RECEIVED
OCT 09 2019
DIVISION OF
ENVIRONMENTAL COMPLIANCE

Dave Kupke St. Louis UNIV.

1024309000

From: John Wenkel <john.wenkel@slu.edu>
Sent: Monday, November 26, 2018 3:34 PM
To: Renee Knoll; Dave Kupke
Subject: RE: Inspection of SLU's North Campus

Renee:

Thanks for the input, much appreciated.

John Wenkel
Facilities Supervisor

Saint Louis University
3545 Lindell Blvd.
Wool Center - Suite 210
St. Louis, MO 63103

O: 314.977.2069 | john.wenkel@slu.edu
F: 314.977.2042 | C: 314.220.7831

From: Renee Knoll
Sent: Monday, November 26, 2018 2:03 PM
To: John Wenkel <john.wenkel@slu.edu>; Dave Kupke <DWKUPK@stlmsd.com>
Subject: Re: Inspection of SLU's North Campus

Hi Dave and John,

I've tried to answer the questions below. My response is in the bold areas. If you have any additional questions, please let me know.

Questions raised by Dave:

1. *Does SLU have a formalized spill plan? He would like a copy.* **Yes, I've attached a copy. This 2014 version is the latest that I have.**
    - *Preventative measures*
    - *Make sure MSD is notified in case of a major spill* **We have MSD emergency numbers posted by our chemical areas and we include the need to report to us and MSD in training.**

2. *Submit a radioactive discharge report* **Rad materials are not currently discharged at the North Campus; however, EHS (Kevin Ferguson) continues to include this information in the quarterly report from SLU.**
    - *Keep any MSD correspondence for at least 5 years*

3. *Is there a cage wash area for north campus?* **Yes the cage wash will be re-installed as it was before. I don't anticipate any changes in the size of equipment or usage.**

- *I know there used to be some animal cages in Macelwane Hall which was closed down due to the fire. Dave and I walked through the building when he was here to see the reconstruction work going on. I told Dave then the building was scheduled to open back up in mid to late December. I'm not sure if there are plans to have animal cages back in the building.*

I hope this helps answer the questions. If not, please let me know.

Thanks,
Renee

Renee Knoll, MS, CHMM
Asst. Director EHS and Chemical Hygiene Officer
Research Integrity and Safety Group

Office of the Vice President for Research
Saint Louis University

O: 314-977-6884
M: 314-210-3757
renee.knoll@slu.edu

SAINT LOUIS UNIVERSITY.

From: John Wenkel
Sent: Wednesday, November 21, 2018 4:19:20 PM
To: Dave Kupke
Cc: Renee Knoll
Subject: RE: Inspection of SLU's North Campus

Dave:

My apologies for this response taking so long since you visited campus in late September. If there is something I have forgotten to mention in this email, please let me know so I can respond.

I have copied Renee Knoll in on this email because she is probably best suited to answer some on the questions you had for me during your annual visit to campus. Renee is the Assistant Director and Chemical Hygiene Officer at SLU. Her work number is 314-977-6884. Renee, Dave is from Environmental Engineering Department at MSD. I'm thinking a few of the questions Dave raised with me you might be able to answer or provide him with the information.

Dave Kupke's contact information: email: DWKUPK@stlmsd.com Work Phone: 314-436-8764 Work Fax: 314-436-8753

Questions raised by Dave:

1. Does SLU have a formalized spill plan? He would like a copy.
    - Preventative measures
    - Make sure MSD is notified in case of a major spill

2. Submit a radioactive discharge report
    - Keep any MSD correspondence for at least 5 years

3. Is there a cage wash area for north campus?
    - I know there used to be some animal cages in Macelwane Hall which was closed down due to the fire. Dave and I walked through the building when he was here to see the reconstruction work going on. I told Dave then the building was scheduled to open back up in mid to late December. I'm not sure if there are plans to have animal cages back in the building.

Dave, send me the new contact for the water reduction factor program that took Angie's place. Thank you and I hope you have a great Thanksgiving Holiday.

John Wenkel
Facilities Supervisor

Saint Louis University
3545 Lindell Blvd.
Wool Center - Suite 210
St. Louis, MO 63103

O: 314.977.2069 | john.wenkel@slu.edu
F: 314.977.2042 | C: 314.220.7831

From: Dave Kupke [mailto:DWKUPK@stlmsd.com]
Sent: Wednesday, September 19, 2018 2:59 PM
To: John Wenkel <john.wenkel@slu.edu>
Cc: Scott Rehmer <srehmer@stlmsd.com>
Subject: Inspection of SLU

John, I have mornings available on September 24th and 26th, I could be out as early as 09:00 AM if this will work for you. Let me know which day works best for you and I will place it in my calendar.

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 1024-3090-00

Company Name: Saint Louis University; Frost Campus
Permit No: -
Premise No: 3505 Laclede Avenue, 63103
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 10/9/18

RECEIVED
OCT 09 2018
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL FACILITY INSPECTION REPORT

Company: St. Louis University Account #: 1024309000
Premise Address: 3500 Lindell Zip Code: 63103
MSD Classes: SIU ☐ Non-Significant CIU ☐ CIU ☐ Surcharge ☐ Non-Toxic Process Water/Wastes ☐
Toxics-Bearing Waste ☒ No Process Discharge ☐ Multi-User ☐ Special Handling/Billing ☐
Company Representative: John Wenkle
Title: Facilities Supervisor Phone#: 314-220-7831
Inspector: Dave Kupke
Others Present: ____
Inspection Date: **9/26/18** Time: From 08:50 am To 10:40 am (Last Insp. 12/22/16)

NOTE: ALL ITEMS ARE TO BE COMPLETED BASED ON EVENTS SINCE LAST INSPECTION. ANSWERS ARE BASED ON INFORMATION OBTAINED OR PROVIDED BY COMPANY DURING INSPECTION, AS WELL AS INFORMATION IN FILE.

***** DATABASE ALSO UPDATED WITH APPROPRIATE CHANGES - see attached database reports *****

1. A. ARE THERE ADDITIONAL NON-STORMWATER ACCOUNT NUMBERS? Yes☒ No☐
   List them, note any changes: See enclosed status of accounts sheet
   B. Were any changes (including to the primary or changes only to suffixes) for acct no's with RFs? NA☐ Yes☐ No☒
   C. If yes to B, was Cost Recovery Unit informed of the change(s)? NA☐ Yes☐ No☐
   D. Did all acct no's have water usage on PIMS? Yes☒ No☐
   E. If no to D, explain: ____

2. PROCESSES & CLEANUP/WASHDOWN:

	Cont/ Batch?	Water/Liquids Used?	DISCHARGE Frequency (or how else disposed?)	Sample pt.
Science Lab (monsanto Building	Batch	Yes	daily	SP011
Kitchen waste	Batch	Yes	daily	SP003, SP007, SP008, SP011, SP012
Residential-students	Cont	Yes	daily	SP003, SP007, SP008, SP011, SP012
Cooling tower blowodwn	Batch	Yes	daily	SP003, SP007, SP008, SP011, SP012
Boiler blowdown	Batch	Yes	daily	SP003, SP007, SP008, SP011, SP012
Biology building-Cage wash removed (fire in building being rebuilt)	(None)	N/A		

3. PRETREATMENT (other than grease traps) - describe:

	Sample pt.
None	N/A

4. DOES COMPANY HAVE ANY GREASE TRAPS? Yes☒ No☐

If yes: A. List sample points: SP003, SP007, SP008, SP011, SP012

B. What is the frequency for cleaning & maintenance? Mr. Wenkle mentioned that Saint Louis University has replaced a cleaning schedule with this bio treatment. (this occurred sometime after the last inspection) I have warned contact that a cleaning schedule is necessary and any blockages would result in billing them.

C. Were cleaning & maintenance logs reviewed for to verify frequency? (must be done) Yes☐ No☒

D. If No to C: Explain: Company has added a bio treatment for its food based oil and grease (See enclosed biotreatment sheets)

E. Has company been in SNC in the past two years for food-based oil & grease violations? Yes☐ No☒

F. If Yes to E: Is frequency for cleaning & maintenance at least once/quarter? NA☐ Yes☐ No☒

G If No to F, require company to begin cleaning at least once/quarter. Was this done? NA☐ Yes☒ No☐

H. Are any additives used in traps? Yes☒ No☐

I. If yes to H, was company warned MSD will bill them for blockages they cause? NA☐ Yes☒ No☐

J. Was company informed that MSD performs separate grease trap inspections? Yes☒ No☐

5. HAS COMPANY CONSTRUCTED NEW BLDGS/ADDITIONS WITH SEWERS SINCE LAST INSPECTION? Yes☐ No☒

If yes: A. Ask company: Did they notify MSD's Plan Review group? Unknown☐ Yes☐ No☐

B. If no or unknown, has inspector notified Plan Review group? Yes☐ No☐

C. Comments: _____

6. HAS COMPANY BEGUN DISCHARGING ANY NEW POLLUTANTS SINCE THE LAST INSPECTION? Yes☐ No☒

If yes: A. List pollutants & process: _____

B. Will MSD STP exceed existing NPDES discharge limit(s)? Yes☐ No☐

C. Will MSD STP's discharge exceed 0.1 mg/l for any new pollutant? Yes☐ No☐

(MSD must notify MDNR if B or C is yes and discharge will continue [40CFR122.42(b)].)

D. Comments: _____

7. ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS THAT ARE "NOT APPLICABLE"? Yes☐ No☒

(including those that are 'No PSES' and 'General Stds Only')

If yes: A. List regulation & describe operations (including any discharge):

_____

B. Explain why it is N/A: _____

8. ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS SUBJECT TO DISCHARGE LIMITS? Yes☐ No☒

If yes: A. List regulation & describe operations (including any discharge):

_____

B. Is maximum daily categorical discharge ≤ 100 GPD? (includes batch discharges) Yes☐ No☐

If yes to B: C. Batch ☐ or Continuous ☐? Volume verified how? _____

D. Does company ever discharge untreated, concentrated categorical wastewater? Yes☐ No☐

E. Was company in SNC during any part of the previous **24** months? Yes☐ No☐

F. Date of last NSCIU Certification Statement: _____ or not currently NSCIU ☐

(If no to B, yes to D or E, or Cert. Statement not submitted as required, company is not eligible to be an NSCIU)

9. HAS COMPANY CERTIFIED TO THE ABSENCE OF SPECIFIC CATEGORICAL POLLUTANTS? Yes☐ No☒

(New certification also is required for each permit renewal)

If yes: A. Certification date: _____

B. Pollutants accepted by MSD as absent: _____

C Were any requested "absent" pollutants rejected by MSD? Yes☐ No☐

If yes to C: D. List them and explain why: _____

E. Were all the accepted pollutants non-detect in all monitoring since certification was approved? Yes☐ No☐

(If compared to intake water levels, explain details below)

If no to E: F. Explain: _____

G. Does Wastewater Discharge Permit need to be updated to remove detected pollutants? Yes☐ No☐

H. Comments: _____

10. DOES CATEGORICAL WASTEWATER COMBINE WITH NON-CATEGORICAL WW PRIOR TO SAMPLING? Yes☐ No☒

If yes: A. At which points? _____

B. Current applied factor: _____ Is it correct? Yes☐ No☐

C. If no, list correct factor/explain? _____

11. IS ANY WASTEWATER SUBJECT TO PRODUCTION ☐ OR MASS ☐ BASED STANDARDS? Yes☐ No☒

If yes: A. At which points? _____

B. Since calculation of the current limits, has the long term avg production rate or discharge volume changed by 20% or more? Yes☐ No☐

C. If yes to B, explain: _____

12. ARE ANY RADIOACTIVE MATERIALS HANDLED? Yes☒ No☐

If yes: A. Describe operations & disposal: P-32 radioisotopes decayed before disposal

B. If non-exempt & disposed to sewer, does company submit quarterly reports to MSD? NA☐ Yes☒ No☐

(If No to B, write company & require quarterly reports of discharge to sewer – or have permit revised as needed)

C. Amount discharged in most recent four complete calendar quarters: 0

D. Is company in compliance with requirements of sewer use ordinance prohibition? Yes☒ No☐

13. DOES COMPANY GENERATE WASTES/WASTEWATER BY GENETIC ENGINEERING RESEARCH? Yes☐ No☒

If yes: A. Does company render wastes/wastewater innocuous? Yes☐ No☐

B. If yes, describe how: _____

C. Does company have MSD authorization for disposal to sewer? NA☐ Yes☐ No☐

D. Most recent authorization date: _____

14. DOES PROCESS or P&E WASHDOWN WATER USE APPEAR EXCESSIVE? Yes☐ No☒

(IS COMPANY USING DILUTION TO MEET DISCHARGE LIMITATIONS?)

A. Explain how use was verified & any needed changes:

Tour of the campus did not show any excessive water usages.

15. BASED ON OBSERVATIONS DURING INSPECTION, DOES COMPANY APPEAR TO HAVE SOME WATER THAT IS NOT DISCHARGED TO SEWER? Yes☒ No☐

If yes: A. Describe: loss through evaporation

B. Was "Return Factor Program" brochure given to company? Yes☒ No☐

(regardless of whether some water is not discharged to sewer)

16. HAS COMPANY BEEN GRANTED A VARIANCE FROM DISCHARGE LIMITATIONS CONTAINED IN THE SEWER USE ORDINANCE? Yes☐ No☒

If yes: A. Pollutant(s) and variance limit: _____

B. Latest approval date: _____

C. Is the approved variance more than 5 years old? Yes☐ No☐

(If yes to C, a new variance must be requested – write company)

17. HAVE ANY NUMERICAL LIMITATIONS BEEN APPLIED TO COMPANY, IN ADDITION TO THOSE ALREADY CONTAINED IN THE SEWER USE ORDINANCE? Yes☐ No☒

If yes: A. Pollutant(s) and discharge limit: _____

B. Date originally applied: _____, or as part of variance above? ☐

18. HAS COMPANY EXCEEDED ORDINANCE DISCHARGE LIMITS SINCE LAST INSPECTION OR WITHIN THE LAST 12 MONTHS (if last insp <12 months ago)? Yes☐ No☒

If yes: A.

Pollutant	When	Sample Points	Is problem resolved? Y/N	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

B. Comments: _____

19. HAS COMPANY EXCEEDED CATEGORICAL PRETREATMENT LIMITS SINCE THE LAST INSPECTION OR WITHIN LAST 12 MONTHS (if last insp <12 months ago)? NA☒ Yes☐ No☐

If yes: A.

Pollutant	When	Sample Points	Is problem resolved? Y/N	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

B. Comments: _____

20. HAVE THERE BEEN ANY PROBLEM DISCHARGES SINCE LAST INSPECTION? Yes☐ No☒

If yes: A. Upsets? ☐ Bypasses of pretreatment facilities? ☐
Spills? ☐ Slug discharges? ☐ Other? _____

B. Explain any marked: _____

21. COULD SPILLS OR LEAKS OF ANY PROCESS TANKS, OR STORAGE TANKS, OR STORED WASTES, OR STORED CHEMICALS EASILY REACH SANITARY SEWERS OR STORM DRAINS? Yes☐ No☒

If yes: A. What needs to be done?

_____

If no: B. How are they controlled?
All raw materials kept away from drains.

22. DOES COMPANY HAVE ANY NPDES PERMITS? Yes☐ No☒

If yes: A. Receiving stream:_____

B. Does it have a MDNR general permit for stormwater discharges from industrial activities? Yes☐ No☐
If yes to B: Permit #: MO-R_____

C. Does it have a MDNR general permit for wastewater discharges? Yes☐ No☐
If yes to C: Permit #: MO-G_____ Permitted activity:_____

D. Does it have a MDNR site specific permit for wastewater discharges? Yes☐ No☐
If yes to D: Permit #: MO0_____

Outfall	Description	Vol (GPD)	Components

E. Comments: _____

23. BASED ON OBSERVATIONS DURING INSPECTION, ARE THERE ANY AREAS WHERE COMPANY ACTIVITIES APPEAR TO IMPAIR STORMWATER RUNOFF? Yes☐ No☒

If yes: A. Describe: _____

B. What needs to be done? _____

C. Was "Illicit Stormwater Discharges" brochure given to company? Yes☒ No☐
(regardless of whether there are any problem areas)

24. DOES COMPANY HAVE ANY WRITTEN SLUG DISCHARGE CONTROL (INCLUDES SPILLS) PLANS [40CFR403.8(f)(2)(vi)]? Yes☒ No☐

If yes: A.

	Title (actual title, NOT "SPCCP")	Last Update
1.	SPCCP Plan	9/14
2.		

B. Were Plans reviewed for completeness, especially regarding batch discharges/slugs and Q.19/20/21? (must be done) Yes☒ No☐

C. Are updates needed to existing Plans? (If yes, write company & require) Yes☐ No☒

D. Are any Plans needed (either in addition to those listed in Part A, or if there currently are no written control plans)? (If yes, write company & require) Yes☐ No☒

E. Explain why/why not for C or D: SLU's plan is up to date for the campus prepared by NPN Environmental

25. DOES COMPANY HAVE ANY MAINTENANCE SHOP PARTS WASHERS? Yes☒ No☐

If yes: A. Parts washer solvent name: Naptha Petroleum

B. Priority pollutants (or "none"): BTEX

C. How is spent solvent disposed? hauled offsite

(These solvents are not included in database's priority pollutants list, nor monitored for unless conditions show potential discharges)

26. ARE ANY ORGANICS OR SOLVENTS USED (OTHER THAN IN PARTS WASHERS)? Yes☒ No☐

If yes: A.

Solvent name/ components	Used for?	413/433/469 Process?	How disposed?	Priority Pollutant?
Ethanol, Acetone, Methanol	lab reagent	Yes☐ No☒	hauled offsite	Yes☐ No☒
Chloroform, Methylene, Chloride (see others listed on Industrial Data Report)	lab reagent	Yes☐ No☒	hauled offiste	Yes☒ No☐
		Yes☐ No☐		Yes☐ No☐
		Yes☐ No☐		Yes☐ No☐
		Yes☐ No☐		Yes☐ No☐
		Yes☐ No☐		Yes☐ No☐

27. DOES COMPANY HAVE A 413/433/469-REGULATORY "SOLVENT MANAGEMENT PLAN"? Yes☐ No☒

(Applies if co. has 413/433/469 processes, whether or not solvents used)

If yes: A. Is it part of a Spill/Slug Control Plan listed above? Yes[1.☐ 2.☐] No☐

B. If no to A, date of last update for SMP: _____

C. Is there a copy of the Spill/Slug Plan or SMP in the files? Yes☐ No☐

D. Does SMP address all 413/433/469 solvents? (or verify "none" ☐) Yes☐ No☐

(If no to C or D, write company and require submittal and/or update)

28. ARE EMERGENCY NOTIFICATION PROCEDURES POSTED THAT INCLUDE MSD CONTACTS? Yes☒ No☐

A. Was company provided notification cards & told to post where emergency response personnel can locate them? Yes☒ No☐

(Must post if company generates process wastewater or stores chemicals of concern)

29. IS COMPANY REQUIRED TO SELF-MONITOR ANY OF THEIR DISCHARGES? Yes☐ No☒

If yes: A. Is requirement contained in permit ☐ or other document ☐.

B. If other document, date & description: _____

C. How frequently is sampling required? _____

D. How frequently are reports required? _____

E. Have reports been on-time, complete & signed by proper person? Yes☐ No☐

F. If no, explain: _____

30. DOES COMPANY SELF-MONITOR ITS WASTEWATER DISCHARGE? Yes☐ No☒

If yes:
- A. Does sample collection time period match co's production shifts? Yes☐ No☐
- B. Are representative grab/comp samples collected? Yes☐ No☐
- C. Are EPA-approved 40 CFR 136 wastewater test methods used? Yes☐ No☐
- D. Does company measure pH and/or temperature itself? Yes☐ No☐
- If yes: E. Have the company show equipment and procedure (meters, calibration stds, etc.). Is measurement performed properly? Yes☐ No☐
- F. If no to A,B,C, or E, _____ explain needed changes:

31. DOES COMPANY CONTINUOUSLY MONITOR AT SAMPLE POINT AND KEEP A PERMANENT RECORD FOR: pH ☐, TEMP ☐, LEL ☐? Yes☐ No☒

If yes:
- A. At which SPs? _____
- B. Are discharge limits in PIMS "alert only"? (If not, change to that & make note: _____) Yes☐ No☐
- C. Does company submit quarterly summaries? Yes☐ No☐
- D. If no, explain: _____

32. DOES MSD SPLIT SAMPLES WITH THE COMPANY? Yes☐ No☒

If yes:
- A. Is company having the samples analyzed Yes☐ No☐
- B. How does company insure proper preservation, holding times & analytical methods? _____
- C. Has company submitted results of all split sample analyses since the last insp? Yes☐ No☐
- D. Have results been submitted within 28 days of the collection's calendar quarter? Yes☐ No☐
- E. If no to C, or D, explain: _____
- F. Does company still want to split samples? Yes☐ No☐
- G. Comments: _____

33. IS COMPANY REQUIRED TO REGULARLY SUBMIT ANY REPORTS OTHER THAN SELF-MONITORING REPORTS? Yes☒ No☐

If yes:
- A. Is requirement contained in permit ☐ or other document ☒.
- B. If other document, date & description: _____
- C. What is required to be reported? Radioactive Discharge report
- D. How frequently are reports required? quarterly
- E. Have reports been on-time, complete & signed by proper person? Yes☒ No☐
- F. If no, explain: _____

34. IS COMPANY UNDER ANY ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS TO SUBMIT COMPLIANCE SCHEDULE REPORTS? Yes☐ No☒

If yes:
- A. Type and date: _____
- B. Have the reports & actions been on-time & complete? Yes☐ No☐
- C. If no, explain: _____

35. ASK COMPANY: IS COMPANY IN COMPLIANCE W/APPLICABLE NESHAP REGULATIONS FOR WW DISCHARGES? Yes☒ No☐
[To see if 40CFR63 applies to MSD plant, per §§63.1580(b) & 63.1582(a). Some MDNR-issued Title V air permits for specific processes allow pre-approved WW discharge. City/County-issued air permits are not NESHAP permits.]

If no:
- A. Describe: _____
- B. Was MDNR Air Pollution Control informed? (must be done) Yes☐ No☐

36. DOES COMPANY RETAIN ALL WASTEWATER RECORDS FOR AT LEAST 5 YEARS? Yes☒ No☐

If no:
- A. How long does company retain records? _____
- B. Was company told to retain for at least 5 years, per ordinance? Yes☐ No☐
- C. Where are they kept? Mr. Winkle keeps all MSD related records

37. IS COMPANY CLASSIFIED AS A SIGNIFICANT INDUSTRIAL USER (SIU)? Yes☐ No☒

If yes: A. Check & explain applicable criteria:

- ☐ Process subject to categorical stds under 40 CFR 403.6. Which cat. stds? _____
- ☐ Process discharge => 25,000 GPD Total process volume: _____
- ☐ Process discharge => 5% of TP ADW hydraulic capacity TP ADW hydraulic capacity: _____. Percent: _____
- ☐ Process discharge => 5% of TP ADW organic capacity Which organic pollutant? _____
  TP ADW organic capacity: _____. Percent: _____
- ☐ Reasonable potential for adverse effect on operations Why? _____
- ☐ Reasonable potential for violating PT std or req't Which ones & why? _____

B. Does company own its bldg (is it listed as the owner in E-CIS)? Yes☐ No☐

If no: C. What is Bldg owner name (use DBA if avail.)? _____
(check E-CIS CAPS Customer Info)

D: What is Bldg owner mailing address? _____
(check E-CIS CAPS Customer Info)

38. DO MSD CLASSIFICATIONS NEED TO BE REVISED? Yes☐ No☒

If yes: A. Indicate correct classifications:

SIU ☐ Non-Significant CIU ☐ CIU ☐ Surcharge ☐ Non-Toxic Process Water/Wastes ☐
Toxics-Bearing Waste ☐ No Process Discharge ☐ Multi-User ☐ Special Handling/Billing ☐

B. Explain changes: _____

39. IS COMPANY CLASSIFIED AS "Multi-User"? Yes☐ No☒

If yes: A. Is company's discharge segregated from other tenants' discharge? Yes☐ No☐

B. If no to A, does the company own the bldg/receive the MSD bills? Yes☐ No☐

C. If yes to B, was company informed it is responsible for total discharge, or else must provide segregated sample points? Yes☐ No☐

D. If no to B, are any Process/P&E Wash-type wastes discharged? Yes☐ No☐

E. If yes to D, are the wastes completely innocuous? Yes☐ No☐
(And explain why/why not: _____)

F. If yes to D, and no to E, company must accept responsibility or provide segregated SP.
Acceptance letter date: _____ Or write company with requirement ☐

G. If no to D or yes to E, are limits "alert only" on PIMS? Yes☐ No☐

H. Comments: _____

40. IS COMPANY CLASSIFIED AS "Special Handling/Billing"? Yes☐ No☒

If yes: A. Why? _____

B. Are any changes needed to reasons/details? Yes☐ No☐

C. If yes, explain: _____

D. Were company records reviewed & verified for special handling/billing reports? NA☐ Yes☐ No☐

41. SAMPLE POINTS

						Auto-sampler ready?	DJ (y/n)
SP #	003	Fed.Reg.		Components:	Kitchen waste, boiler blowdown, cooling tower blowdown, Sanitary, Plant Equipment washdown-Janitorial, Storm water	Yes	No
SP #	007	Fed.Reg.		Components:	Kitchen waste, Boiler blowdown, cooling tower blowdown, Sanitary, Plant equipment washdown-Janitorial, Storm water	Yes	No
SP #	008	Fed.Reg.		Components:	Kitchen waste, Boiler blowdown, Cooling tower blowdown, Sanitary, Plant equipment washdown-janitorial, Storm water	Yes	No
SP #	011	Fed.Reg.		Components:	Kitchen waste, Boiler blowdown, Cooling tower blowdown, Lab waste, NCCW, Sanitary, Plant equipment washdown-janitorial, Storm water	Yes	No
SP #	012	Fed.Reg.		Components:	Kitchen waste, Boiler blowdown, Cooling tower blowdown, Sanitary, Plant equipment washdown-janitorial, Storm water	Yes	No

42. ARE ANY SAMPLE POINTS TRAPPED VENTS? Yes☐ No☒

If yes: A. List SPs: _____

B. Was co. informed that T-vents are preferred, and told why? Yes☐ No☐

43. ARE DISCHARGES AT ANY SPs SMALL/IRREGULAR ENOUGH TO ALLOW GRAB SAMPLES? Yes☐ No☒

If yes: A. List SPs and reasons: _____

44. ARE THERE ANY UNSAMPLED DISCHARGES? (list each lateral separately) Yes☐ No☒

Dummy SP #		Components:	
Dummy SP #		Components:	

If yes: A. Was company informed that SPs may be required in the future if the discharges change? Yes☐ No☐

B. Are all unsampled discharges very low flow and/or innocuous? Yes☐ No☐

C. If No to B, explain:_____

(Must also write company and require installation of SP)

45. DO ANY SAMPLE POINTS (including Unsampled/Dummy SPs) RECEIVE STORMWATER? Yes☒ No☐

If yes: A. List Sample Points: SP003, 007, 008, 011, 012

46. WERE ALL SAMPLE POINTS (except Dummy SPs) OPENED & INSPECTED? No SPs☐ Yes☒ No☐

A. If any SPs cannot be located or opened, explain: _____

B. If any SP descript's need to be changed, explain: _____

C. Is it possible to use an auto-sampler to collect samples (regardless of volume or batches)? Yes☒ No☐

Update PIMS indicator as needed.

D. Was ANY grease or other problem/debris observed in any SP? Yes☐ No☒

E. If yes to C, list SPs & describe: _____

F. If yes to C, was company directed to take corrective actions? Yes☐ No☐

47. REVIEW THE SAMPLE POINT MAP! Last map revision date: 7/5/12

A. Is the map correct and accurate in all its details? Yes☒ No☐

B If no, what changes are needed: _____

48. DO INSTRUCTIONS FOR "Contact Prior to Sampling" or FIELD VISIT "Special Instructions" NEED REVISION? Yes☐ No☒

If yes: A. List needed changes: _____

USE THIS SPACE FOR ANY OTHER COMMENTS/OBSERVATIONS PERTINENT TO YOUR INSPECTION OF THIS SITE.
Updated SLU has a SPCCP plan- 9/14 (reviewed and placed 3 pages , table of contents)

SLU employs a biological treatment for its food oil and grease waste. (Included the specs on the bio treatment system used in all kitchen operations). SLU was advised to pump its grease traps at least quarterly and that if they caused a blockage , they will be billed.

SLU had a fire in the Biology building which housed the cage wash, the building is in the process of being rebuilt. Cage wash no longer in use. The building will be back in operation by fall 2020.

Saint Louis University 1024309000
Water Accounts

Account	Status	beginning date	End Date	Associated Meters
1024304600	Active	12/14/1999		1024304600
1024305500	Active	6/25/1996		1024305500
1024308900	Active	12/10/2014	11/30/2018	1024308900
1024309000	Active	1/1/1980		1024309000
1024309200	Active	12/18/2015		IRRIGATION, 1024309200
1024310900	Active	5/4/2005		1024310900
1024313900	Active	2/20/2001		1024313900
1024314000	Active	1/7/1997		1024314000
1024314100	Active	1/30/1998		1024314100
1024314200	Active	1/1/1980		1024314200
1024412600	Active	8/25/1997		1024412600
1024417300	Active	1/11/1989		1024417300
1024425800	Active	1/1/1980		1024425800
1024436900	Active	12/10/2014		COOLING_TOWER, IRRIGATION, 1024436900
1025168800	Active	4/30/2010		COOLING_TOWER, 1025168800
1044442900	Active	5/6/2004		1044442900
1047492700	Active	9/16/1996		1047492700
1047712100	Active	4/14/2000		1047712100
1047858800	Active	4/14/2000		1047858800
1048105700	Active	12/20/2005		IRRIGATION, 1048105700
1049300700	Active	1/9/2007		IRRIGATION, 1049300700
1049915800	Active	5/4/2010		IRRIGATION, 1049915800

There are other listed in active associated with water irrigation 1024310900, 1044442900, 1047712100, 1048105700, 1049300700
I have not place an end date.

Saint Louis University 1024309000
Water Accounts

Account	Status	beginning date	End Date	Associated Meters
1024304600	Active	12/14/1999		1024304600
1024305500	Active	6/25/1996		1024305500
1024308900	Active	12/10/2014	11/30/2018	1024308900
1024309000	Active	1/1/1980		1024309000
1024309200	Active	12/18/2015		IRRIGATION, 1024309200
1024310900	Active	5/4/2005		1024310900
1024313900	Active	2/20/2001		1024313900
1024314000	Active	1/7/1997		1024314000
1024314100	Active	1/30/1998		1024314100
1024314200	Active	1/1/1980		1024314200
1024412600	Active	8/25/1997		1024412600
1024417300	Active	1/11/1989		1024417300
1024425800	Active	1/1/1980		1024425800
1024436900	Active	12/10/2014		COOLING_TOWER, IRRIGATION, 1024436900
1025168800	Active	4/30/2010		COOLING_TOWER, 1025168800
1044442900	Active	5/6/2004		1044442900
1047492700	Active	9/16/1996		1047492700
1047712100	Active	4/14/2000		1047712100
1047858800	Active	4/14/2000		1047858800
1048105700	Active	12/20/2005		IRRIGATION, 1048105700
1049300700	Active	1/9/2007		IRRIGATION, 1049300700
1049915800	Active	5/4/2010		IRRIGATION, 1049915800

There are other listed in active associated with water irrigation 1024310900, 1044442900, 1047712100, 1048105700, 1049300700
I have not place an end date.

Industrial Data Report

Facility Name:	ST LOUIS UNIVERSITY		
Facility Identifier:	1024309000	Facility Type:	Industrial User
Physical Location:	3500 Lindell N/A Saint Louis, MO 63103	Mailing Address:	3545 Lindell Boulevard Saint Louis, MO 63103
MSD Base Map Page / Section:	19 / F4	Facility ID:	816

GENERAL INFORMATION

MSD Sewer Accounts

Account Number	Status
1024304600	Active
1024305500	Active
1024308900	Active
1024309000	Active
1024309200	Active
1024310900	Active
1024313900	Active
1024314000	Active
1024314100	Active
1024314200	Active
1024412600	Active
1024417300	Active
1024425800	Active
1024436900	Active
1025168800	Active
1044442900	Active
1047492700	Active
1047712100	Active
1047858800	Active
1048105700	Active
1049300700	Active
1049915800	Active

Contact Information

	First Name:	Last Name:	Title:	Contact Type:	Responsibilities:	Email:	Business Phone:	Cell Phone:
Mr.	Barth	Breneman	Assistant Director	Facility	Field Contact 2nd Alt	breneman@slu.edu	314-977-2966	
Ms.	Renee	Knoll	Chemical Hygiene Officer	Facility	Field Contact - Primary	knollr@slu.edu	314-977-6884	
Mr.	John	Wenkel	Facilities Supervisor	Facility	Field Contact 1st Alt, Office Contact - Primary	wenkelje@slu.edu	314-977-2069	

Industrial Data Report

Inspection

Template:	Industrial Facility Inspection	Start Date:	09/26/2018 08:50 AM
Inspection Type:	Industrial Facility Inspection	End Date:	09/26/2018 10:40 AM

Facility Groups

Group Name	Group Category	Group Description
RF	Facility Classification	Return Factor Facility
TOX	Facility Classification	Toxics-Bearing Process Water or Wastes
rf_>1000	Return Factor Criteria	Return Factor(s) total >= $1,000/year

Permit Information

Permit No.:	GP - 8825	Permit Type:	General Permit
Effective Date:	1/1/2008 12:00:00AM	Expiration Date:	12/31/2047 12:00:00AM
Issued Date:	1/1/2008 12:00:00AM	Permit Status:	Issued

Work Requirement

Task Template	Start Date	End Date	No. of Time	Frequency	Sample Location
Industrial Facility Inspection	06/01/2004	06/30/2050	1	Once/2 years	
Radiation Discharge	10/01/2005	12/31/2050	1	Once/3 mo	
Return Factor Inspection	06/01/2018	06/30/2099	1	Once/11 years	
BOD & TSS (T04); COD (T04); Field - pH & Temperature (G00); Oil & Grease (G00)	01/01/2008	12/31/2047	1	Once/year	003
BOD & TSS (T04); COD (T04); Field - pH & Temperature (G00); Oil & Grease (G00)	01/01/2008	12/31/2047	1	Once/year	007
BOD & TSS (T04); COD (T04); Field - pH & Temperature (G00); Oil & Grease (G00)	01/01/2008	12/31/2047	1	Once/year	008
BOD & TSS (T04); COD (T04); Field - pH & Temperature (G00); Oil & Grease (G00); Vol Orgs-not incl Acr & 2-chloro (group poll only) (G00)	01/01/2008	12/31/2047	1	Once/year	011
BOD & TSS (T04); COD (T04); Field - pH & Temperature (G00); Oil & Grease (G00)	01/01/2008	12/31/2047	1	Once/year	012

Industrial Data Report

PRODUCTION/SERVICES INFORMATION

Operation Description: Educational Institution

Shift Information

Shift	Start Time	End Time	Average No. of Employees
1	08:00 AM	04:00 PM	1,680
2	04:00 PM	12:00 AM	100
3	12:00 PM	08:00 PM	50

SIC

SIC Code	SIC Name	SIC Description
8221	8221	Colleges and universities

Raw Material List

Raw material list has not been entered, or does not exist, for the facility.

CHEMICAL INVENTORY INFORMATION

Industrial Data Report

Full Disclosure of Chemicals

Substance Name	Presence Ind	Categorically Related?
(cis & trans) 1,3-Dichloropropene	Known Absent	
1,1,1-Trichloroethane	Suspected Absent	
1,1,2,2-Tetrachloroethane	Suspected Absent	
1,1,2-Trichloroethane	Suspected Absent	
1,1-Dichloroethane	Suspected Present	
1,1-Dichloroethene	Suspected Present	
1,2,4-Trichlorobenzene	Suspected Absent	
1,2-Dichlorobenzene	Suspected Present	
1,2-Dichloroethane	Suspected Present	
1,2-Dichloropropane	Suspected Present	
1,2-Diphenylhydrazine	Known Absent	
1,3-Dichlorobenzene	Suspected Present	
1,4-Dichlorobenzene	Suspected Present	
2,3,7,8-Tetrachlorodibenzo-p-dioxin	Known Absent	
2,4,6-Trichlorophenol	Known Absent	
2,4-Dichlorophenol	Known Absent	
2,4-Dimethylphenol	Known Absent	
2,4-Dinitrophenol	Suspected Present	
2,4-Dinitrotoluene	Suspected Present	
2,6-Dinitrotoluene	Suspected Present	
2-Chloroethyl vinyl ether	Known Absent	
2-Chloronaphthalene	Known Absent	
2-Chlorophenol	Known Absent	
2-Nitrophenol	Suspected Present	
3,3-Dichlorobenzidine	Known Absent	
4,4'-DDD	Known Absent	
4,4'-DDE	Known Absent	
4,4'-DDT	Known Absent	
4,6-Dinitro-2-Methylphenol	Known Absent	
4-Bromophenyl phenyl ether	Known Absent	
4-Chloro-3-Methylphenol	Known Absent	
4-Chlorophenyl phenyl ether	Known Absent	
4-Nitrophenol	Suspected Absent	
Acenaphthene	Known Absent	
Acenaphthylene	Known Absent	
Acrolein	Suspected Absent	
Acrylonitrile	Known Absent	

Industrial Data Report

Aldrin	Known Absent
Alpha-BHC	Known Absent
Anthracene	Known Absent
Antimony (Total)	Suspected Absent
Arsenic (Total)	Known Present
Asbestos (Fibrous)	Known Present
Benzene	Known Present
Benzidine	Known Absent
Benzo (A) Anthracene	Known Absent
Benzo (A) Pyrene	Known Absent
Benzo (B) Fluoranthene	Known Absent
Benzo (G,H,I) Perylene	Known Absent
Benzo (K) Fluoranthene	Known Absent
Beryllium (Total)	Suspected Absent
Beta-BHC	Known Absent
Bis (2-Chloroethoxy) Methane	Known Absent
Bis (2-Chloroethyl) Ether	Known Absent
Bis (2-Chloroisopropyl) Ether	Known Absent
Bis (2-EthylHexyl) Phthalate	Known Absent
Bromodichloromethane	Known Absent
Bromoform	Known Absent
Bromomethane	Known Absent
Butylbenzyl Phthalate	Known Absent
Cadmium (Total)	Suspected Absent
Carbon Tetrachloride	Known Present
Chlordane	Known Absent
Chlorobenzene	Known Present
Chloroethane	Known Absent
Chloroform	Known Present
Chloromethane	Known Absent
Chromium (Total)	Known Present
Chrysene	Known Absent
Copper (Total)	Known Present
Cyanide (Total)	Known Present
Delta-BHC	Known Absent
Di-n-butyl Phthalate	Suspected Present
Di-n-octyl Phthalate	Known Absent
Dibenzo (A,H) Anthracene	Known Absent
Dibromochloromethane	Suspected Absent

Industrial Data Report

Dieldrin	Known Absent
Diethyl Phthalate	Suspected Present
Dimethyl Phthalate	Suspected Present
Endosulfan I	Known Absent
Endosulfan II	Known Absent
Endosulfan Sulfate	Known Absent
Endrin	Known Absent
Endrin Aldehyde	Known Absent
Ethylbenzene	Known Present
Fluoranthene	Known Absent
Fluorene	Known Absent
Gamma-BHC	Known Absent
Heptachlor	Known Absent
Heptachlor Epoxide	Known Absent
Hexachlorobenzene	Suspected Present
Hexachlorobutadiene	Known Absent
Hexachlorocyclopentadiene	Known Absent
Hexachloroethane	Suspected Absent
Indeno (1,2,3-cd) pyrene	Known Absent
Isophorone	Known Absent
Lead (Total)	Known Present
Mercury (Total)	Known Present
Methylene Chloride	Known Present
N-Nitrosodi-n-Propylamine	Known Absent
N-Nitrosodimethylamine	Known Absent
N-Nitrosodiphenylamine	Known Absent
Naphthalene	Known Absent
Nickel (Total)	Known Present
Nitrobenzene	Known Present
PCB - 1016	Known Absent
PCB - 1221	Known Absent
PCB - 1232	Known Absent
PCB - 1242	Known Absent
PCB - 1248	Known Absent
PCB - 1254	Known Absent
PCB - 1260	Known Absent
Pentachlorophenol	Known Absent
Phenanthrene	Known Absent
Phenol	Suspected Present

Industrial Data Report

Pyrene	Known Absent
Selenium (Total)	Suspected Present
Silver (Total)	Known Present
Tetrachloroethene	Suspected Absent
Thallium (Total)	Suspected Absent
Toluene	Known Present
Toxaphene	Known Absent
Trans-1,2-Dichloroethene	Known Absent
Trichloroethene	Suspected Absent
Vinyl Chloride	Suspected Absent
Zinc (Total)	Known Present

Process List

Process Name	Process Description	Seasonal?	Status	Process Detail
Non-Sewered: Off-Site Disposal			A	Acids and/or Alkalies, Equipment Oils and/or Grease, Infectious Waste, Kitchen/Food Service Grease, Other, Pretreatment Sludges, Radioactive Waste, Solvents/Thinners
Product/Service	Educational services		A	

Control Plans

Name	Type	Approval Date	Status
001467	MDNR - Hazardous Waste Program	06/02/1999	Approved
MOD981120603	EPA - Hazardous Waste Program	06/03/1999	Approved

PROCESS FLOW DETAILS

Industrial Data Report

Process Flow Details

Flow Stream Name	Flow Direction	Flow Type	Status
1024304600	Incoming	Water Supply	A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/23/2018	08/24/2018	Total Volume	304.0000 CCF
02/14/2018	05/22/2018	Total Volume	217.0000 CCF

Average Daily Volume: 3.86 CCF

1024305500	Incoming	Water Supply	A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/16/2018	08/20/2018	Total Volume	4086.0000 CCF
02/08/2018	05/15/2018	Total Volume	3042.0000 CCF

Average Daily Volume: 52.69 CCF

1024308900	Incoming	Water Supply	A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/04/2018	08/24/2018	Total Volume	183.0000 CCF
02/14/2018	05/03/2018	Total Volume	160.0000 CCF

Average Daily Volume: 2.63 CCF

1024309000	Incoming	Water Supply	A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/03/2018	08/14/2018	Total Volume	38952.0000 CCF
02/03/2018	05/02/2018	Total Volume	38724.0000 CCF

Average Daily Volume: 606.25 CCF

1024309200	Incoming	Water Supply	A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/03/2018	08/14/2018	Total Volume	80.0000 CCF
02/03/2018	05/02/2018	Total Volume	40.0000 CCF

Average Daily Volume: 0.83 CCF

1024313900	Incoming	Water Supply	A

Industrial Data Report

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/12/2018	08/24/2018	Total Volume	349.0000 CCF
02/10/2018	05/11/2018	Total Volume	81.0000 CCF

Average Daily Volume: 2.62 CCF

1024314000 Incoming Water Supply A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/03/2018	08/24/2018	Total Volume	430.0000 CCF
02/14/2018	05/02/2018	Total Volume	0.0000 CCF

Average Daily Volume: 2.25 CCF

1024314100 Incoming Water Supply A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/04/2018	10/03/2018	Total Volume	155.0000 CCF
02/10/2018	05/03/2018	Total Volume	50.0000 CCF

Average Daily Volume: 1.09 CCF

1024314200 Incoming Water Supply A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/12/2018	08/24/2018	Total Volume	115.0000 CCF
02/21/2018	05/11/2018	Total Volume	58.0000 CCF

Average Daily Volume: 1.26 CCF

1024412600 Incoming Water Supply A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/08/2018	08/20/2018	Total Volume	973.0000 CCF
02/08/2018	05/07/2018	Total Volume	21.0000 CCF

Average Daily Volume: 5.26 CCF

1024417300 Incoming Water Supply A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/02/2018	09/13/2018	Total Volume	25.0000 CCF
02/02/2018	05/01/2018	Total Volume	40.0000 CCF

Industrial Data Report

Average Daily Volume: 0.47 CCF

1024425800 Incoming Water Supply A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/18/2018	08/24/2018	Total Volume	10.0000 CCF
02/21/2018	05/17/2018	Total Volume	61.0000 CCF

Average Daily Volume: 0.72 CCF

1024436900 Incoming Water Supply A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/09/2018	10/04/2018	Total Volume	1000.0000 CCF
02/07/2018	05/08/2018	Total Volume	1000.0000 CCF

Average Daily Volume: 12.55 CCF

1025168800 Incoming Water Supply A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/03/2018	08/13/2018	Total Volume	4411.0000 CCF
02/02/2018	05/02/2018	Total Volume	5349.0000 CCF

Average Daily Volume: 78.69 CCF

1047492700 Incoming Water Supply A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
05/23/2018	08/24/2018	Total Volume	1568.0000 CCF
02/21/2018	05/22/2018	Total Volume	511.0000 CCF

Average Daily Volume: 14.08 CCF

1049915800 Incoming Water Supply A

Flow Data List

Start Date	End Date	Reading Type	Flow Value
07/31/2018	11/28/2018	Total Volume	3730.0000 CCF
04/26/2018	07/30/2018	Total Volume	4184.0000 CCF
02/23/2018	04/25/2018	Total Volume	896.0000 CCF

Average Daily Volume: 34.91 CCF

Total Average Daily Volume: 820.17 CCF

Industrial Data Report

Facility Flow Methodology

Name	Formula	Flow Start Date	Return Factor
ImportedRF1024305500	(@1024305500) / @1024305500	07/08/2017	0.95
ImportedRF1024308900	(@1024308900) / @1024308900	07/08/2017	0.83
ImportedRF1024309000	(@1024309000) / @1024309000	07/09/2017	0.9
ImportedRF1024309200	(@1024309200 - @IRRIGATION) / @1024309200	05/19/2016	0.81
ImportedRF1024310900	(@1024310900) / @1024310900	05/18/2005	1
ImportedRF1024412600	(@1024412600) / @1024412600	07/08/2017	0.03
ImportedRF1024436900	(@1024436900 - @COOLING_TOWER - @IRRIGATION) / @1024436900	12/05/2017	0.34
ImportedRF1025168800	(@1025168800 - @COOLING_TOWER) / @1025168800	12/05/2017	0.91
ImportedRF1044442900	(@1044442900) / @1044442900	06/22/2004	0
ImportedRF1047492700	(@1047492700) / @1047492700	07/08/2017	0.73
ImportedRF1047712100	(@1047712100) / @1047712100	09/18/2000	0
ImportedRF1047858800	(@1047858800) / @1047858800	03/30/2001	0
ImportedRF1048105700	(@1048105700 - @IRRIGATION) / @1048105700	12/20/2005	0
ImportedRF1049300700	(@1049300700 - @IRRIGATION) / @1049300700	01/09/2007	0
ImportedRF1049915800	(@1049915800 - @IRRIGATION) / @1049915800	12/21/2010	1

PRETREATMENT INFORMATION

Pretreatment System(s)

Pretreatment Type:	Primary Purpose:	Effective Date:	Sample Location
Grease Trap		07/07/2003	003
Grease Trap		01/09/2013	007
Grease Trap		07/07/2003	008
Grease Trap		03/27/2007	011
Grease Trap		03/27/2007	012

Industrial Data Report

SAMPLE LOCATION INFORMATION

Sample Locations

Location Name	Location Type	Sample Location Description	Status	Flow Stream Name (Fed Regulation)
003	SP - Ordinance Only	MH by dumpster in alley S of Lindell-48' W, 15' N of NE corner Bldg 14(DeMattias Hall)	A	Boiler Blowdown (), Cooling Tower Blowdown (), Kitchen Waste (), Plant & Equipment Washdown (), Sanitary (), Storm Water ()
007	SP - Ordinance Only	MH in sidewalk 90' W of parking garage at Olive Street, 165' S of Lindell Bl	A	Boiler Blowdown (), Cooling Tower Blowdown (), Kitchen Waste (), Plant & Equipment Washdown (), Sanitary (), Storm Water ()
008	SP - Ordinance Only	MH in alley S of Lindell- 36' E, 75' S of SE corner of Humanities Bldg(3800 LIndell)	A	Boiler Blowdown (), Cooling Tower Blowdown (), Kitchen Waste (), Plant & Equipment Washdown (), Sanitary (), Storm Water ()
011	SP - Ordinance Only	Flow from NW in manhole in walkway on Laclede at SW corner of Billiken Sports Center	A	Boiler Blowdown (), Cooling Tower Blowdown (), Kitchen Waste (), Laboratory Waste (), Non Contact Cooling Water (), Plant & Equipment Washdown (), Sanitary (), Storm Water ()
012	SP - Ordinance Only	Manhole in alley off Laclede, 15' N, 15' E of NE corner of the soccer field at Vandeventer & Laclede	A	Boiler Blowdown (), Cooling Tower Blowdown (), Kitchen Waste (), Plant & Equipment Washdown (), Sanitary (), Storm Water ()
L-01	LAT - Sanitary Or San+Storm (Combined)	E from buildings on E side of Grand to MSD connection on Channing Av	A	
L-03	LAT - Sanitary Or San+Storm (Combined)	S to 18" MSD sewer	A	
L-06	LAT - Sanitary Or San+Storm (Combined)	Multiple lines from bldgs on W side of Grand to Laclede	A	

Industrial Data Report

L-08	LAT - Sanitary Or San+Storm (Combined)	Multiple lines from buildings at Spring Av and alley N of Laclede Av	A

Industrial Data Report

Sample Locations Flow Data by Sample Location and Flow Stream

Sample Location: 003 Auto-Sampler Ready? Y

Flow Stream Name	Flow Direction	Flow Type	Flow Discharge Type
Boiler Blowdown	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	250 GPD

Cooling Tower Blowdown	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	250 GPD

Kitchen Waste	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	1600 GPD

Plant & Equipment Washdo	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	6350 GPD

Sanitary	Outgoing	Dilution	Continuous

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	12000 GPD

Storm Water	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	11/24/2009	12/31/2047	Average	0 GPD

Sample Location: 007 Auto-Sampler Ready? Y

Flow Stream Name	Flow Direction	Flow Type	Flow Discharge Type
Boiler Blowdown	Outgoing	Dilution	Batch

MSD 038997

Industrial Data Report

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	250 GPD

Cooling Tower Blowdown	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	250 GPD

Kitchen Waste	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/01/2003	12/31/2047	Average	1000 GPD

Plant & Equipment Washdo	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	6200 GPD

Sanitary	Outgoing	Dilution	Continuous

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	1900 GPD

Storm Water	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	11/24/2009	12/31/2047	Average	0 GPD

Sample Location: 008 Auto-Sampler Ready? Y

Flow Stream Name	Flow Direction	Flow Type	Flow Discharge Type
Boiler Blowdown	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	250 GPD

Cooling Tower Blowdown	Outgoing	Dilution	Batch

Industrial Data Report

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	250 GPD

Kitchen Waste	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	1000 GPD

Plant & Equipment Washdo	Outgoing	Dilution	Continuous

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	8300 GPD

Sanitary	Outgoing	Dilution	Continuous

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	07/02/2003	12/31/2047	Average	23710 GPD

Storm Water	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	11/24/2009	12/31/2047	Average	0 GPD

Sample Location: 011 Auto-Sampler Ready? Y

Flow Stream Name	Flow Direction	Flow Type	Flow Discharge Type
Boiler Blowdown	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	250 GPD

Cooling Tower Blowdown	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	250 GPD

Kitchen Waste	Outgoing	Dilution	Batch

Industrial Data Report

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	3200 GPD

Laboratory Waste	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	1400 GPD

Non Contact Cooling Water	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	3200 GPD

Plant & Equipment Washdo	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	20650 GPD

Sanitary	Outgoing	Dilution	Continuous

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	78108 GPD

Storm Water	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	11/24/2009	12/31/2047	Average	0 GPD

Sample Location: 012 Auto-Sampler Ready? Y

Flow Stream Name	Flow Direction	Flow Type	Flow Discharge Type
Boiler Blowdown	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	250 GPD

Cooling Tower Blowdown	Outgoing	Dilution	Batch

Industrial Data Report

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	250 GPD

Kitchen Waste	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	1250 GPD

Plant & Equipment Washdo	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	6290 GPD

Sanitary	Outgoing	Dilution	Continuous

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	03/27/2007	12/31/2047	Average	10800 GPD

Storm Water	Outgoing	Dilution	Batch

Flow Data

Meter	Start Date	End Date	Reading Type	Flow Value
	11/24/2009	12/31/2047	Average	0 GPD

Industrial Data Report

Sample Locations Flow Data by Meter Reads only

Sample Location: 003 Auto-Sampler Ready? Y

Flow Stream	Meter	Start Date	End Date	Reading Type	Flow Value
Boiler Blowdown		07/02/2003	12/31/2047	Average	250 GPD
Cooling Tower Blowdown		07/02/2003	12/31/2047	Average	250 GPD
Kitchen Waste		07/02/2003	12/31/2047	Average	1600 GPD
Plant & Equipment Washdown		07/02/2003	12/31/2047	Average	6350 GPD
Sanitary		07/02/2003	12/31/2047	Average	12000 GPD
Storm Water		11/24/2009	12/31/2047	Average	0 GPD

Sample Location: 007 Auto-Sampler Ready? Y

Flow Stream	Meter	Start Date	End Date	Reading Type	Flow Value
Boiler Blowdown		07/02/2003	12/31/2047	Average	250 GPD
Cooling Tower Blowdown		07/02/2003	12/31/2047	Average	250 GPD
Kitchen Waste		07/01/2003	12/31/2047	Average	1000 GPD
Plant & Equipment Washdown		07/02/2003	12/31/2047	Average	6200 GPD
Sanitary		07/02/2003	12/31/2047	Average	1900 GPD
Storm Water		11/24/2009	12/31/2047	Average	0 GPD

Sample Location: 008 Auto-Sampler Ready? Y

Flow Stream	Meter	Start Date	End Date	Reading Type	Flow Value
Boiler Blowdown		07/02/2003	12/31/2047	Average	250 GPD
Cooling Tower Blowdown		07/02/2003	12/31/2047	Average	250 GPD
Kitchen Waste		07/02/2003	12/31/2047	Average	1000 GPD
Plant & Equipment Washdown		07/02/2003	12/31/2047	Average	8300 GPD
Sanitary		07/02/2003	12/31/2047	Average	23710 GPD
Storm Water		11/24/2009	12/31/2047	Average	0 GPD

Sample Location: 011 Auto-Sampler Ready? Y

Flow Stream	Meter	Start Date	End Date	Reading Type	Flow Value
Boiler Blowdown		03/27/2007	12/31/2047	Average	250 GPD
Cooling Tower Blowdown		03/27/2007	12/31/2047	Average	250 GPD
Kitchen Waste		03/27/2007	12/31/2047	Average	3200 GPD
Laboratory Waste		03/27/2007	12/31/2047	Average	1400 GPD
Non Contact Cooling Water		03/27/2007	12/31/2047	Average	3200 GPD
Plant & Equipment Washdown		03/27/2007	12/31/2047	Average	20650 GPD

Industrial Data Report

Sanitary	03/27/2007	12/31/2047	Average	78108 GPD
Storm Water	11/24/2009	12/31/2047	Average	0 GPD

Sample Location: 012 Auto-Sampler Ready? Y

Flow Stream	Meter	Start Date	End Date	Reading Type	Flow Value
Boiler Blowdown		03/27/2007	12/31/2047	Average	250 GPD
Cooling Tower Blowdown		03/27/2007	12/31/2047	Average	250 GPD
Kitchen Waste		03/27/2007	12/31/2047	Average	1250 GPD
Plant & Equipment Washdown		03/27/2007	12/31/2047	Average	6290 GPD
Sanitary		03/27/2007	12/31/2047	Average	10800 GPD
Storm Water		11/24/2009	12/31/2047	Average	0 GPD

Associated Sample Locations

Location Name	Associated Location Name	Associated Location Status
L-01	001	I
	007	A
L-02	002	I
L-03	003	A
	008	A
L-04	004	I
L-05	005	I
L-06	006	I
	011	A
L-07	009	I
L-08	010	I
	012	A

ADDITIONAL COMMENTS

Facility Comments

Comment Type	Comment

MSD 039003

St. Louis UNIV.
1024309000

SPCC PLAN

MEDICAL CENTER CAMPUS
1402 SOUTH GRAND BOULEVARD
ST. LOUIS, MISSOURI

Prepared for:

SAINT LOUIS UNIVERSITY
1402 SOUTH GRAND BOULEVARD
ST. LOUIS, MISSOURI 63104

Prepared by:

NPN ENVIRONMENTAL ENGINEERS, INC.
1631 HEADLAND DRIVE
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Contract C-05259

September 2014
Revision 1

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MSD 039005

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APPENDIXES

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- Figure 1 – Vicinity Map
- Figure 2 – Site Location Map
- Figure 3 – Site Layout
- Figure 4 – SPCC Map (North)
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Appendix B Inspection Forms, Logs, and Procedures
- Inspection Forms
- Logs
- Procedures

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- Lists, Forms, and Logs
- Additional Information

MSD 039006

LIST OF ACRONYMS AND ABBREVIATIONS

API	American Petroleum Institute
AST	Aboveground Storage Tank
CFR	Code of Federal Regulations
LEPC	Local Emergency Planning Committee
MDNR	Missouri Department of Natural Resources
MSD	Metropolitan St. Louis Sewer District
NPDES	National Pollutant Discharge Elimination System
NRC	National Response Center
PE	Professional Engineer
SPCC	Spill Prevention, Control, and Countermeasure
STI	Steel Tank Institute
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank

MSD 039007

Dave Kupke St. Louis UNIX

From: Ismael Lopez Barrera <ismael.lopezbarrera@slu.edu> 1024309000
Sent: Wednesday, September 26, 2018 9:20 AM
To: John Wenkel; Dave Kupke
Subject: Fw: Chemsearch FE: FREE-FLOW, FREE-FLOW Enhancements, Ecoflow - MSD Letter
Attachments: FREE-FLOW.pdf; ATT00001.htm; FREE-FLOW Enhancements.pdf; ATT00002.htm; Ecoflow - MSD Letter.pdf; ATT00003.htm

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---

From: Dimitri Mousdicas <DIMITRI.MOUSDICAS@CHEMSEARCHFE.COM>
Sent: Wednesday, September 26, 2018 9:13 AM
To: Ismael Lopez Barrera; Ismael Lopez Barrera
Subject: Chemsearch FE: FREE-FLOW, FREE-FLOW Enhancements, Ecoflow - MSD Letter

Safety Data Sheet: FREE-FLOW

Supercedes Date 10/12/2011 **Issuing Date** 05/17/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name FREE-FLOW
Recommended use Use in drains
Information on Manufacturer
CHEMSEARCH FE DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 4051
Chemical nature bacteria solid mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color White Speckled tan **Physical State** Solid Tablet **Odor** Earthy

GHS
Classification
Physical Hazards
None
Health Hazard
Serious Eye Damage/Eye Irritation Category 2B
Other hazards
None

Labeling
Signal Word
WARNING

Hazard Statements
H320 - Causes eye irritation

Precautionary Statements
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Maize starch	9005-25-8	10-30
Cellulose	9004-34-6	7-13
Sodium bicarbonate	144-55-8	5-10
Disodium phosphate, anhydrous	7558-79-4	5-10
Urea	57-13-6	3-7
Casein	9000-71-9	3-7
Sodium chloride	7647-14-5	1-5
Monosodium phosphate, anhydrous	7558-80-7	1-5
Bacillus species	NOT APPLICABLE	<0.1
Pseudomonas species	NOT APPLICABLE	<0.1

4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing dust.
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash **Method** Not applicable

Flammability Limits in Air % Dust explosion properties. **Upper** No data available **Lower** No data available

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO_2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Dust can form an explosive mixture in air.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	**Health** 1	**Flammability** 1	**Instability** 0
HMIS	**Health** 1	**Flammability** 1	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Prevent further leakage or spillage if safe to do so.
Environmental Precautions	No special environmental precautions required.
Methods for Containment	Cover powder spill with plastic sheet or tarp to minimize spreading.
Methods for Cleaning Up	Pick up and arrange disposal without creating dust.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing the dust.
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.
Storage Temperature	**Minimum** 33 °F / 1 °C **Maximum** 77 °F / 25 °C
Storage Conditions	**Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Maize starch	: 10 mg/m^3 TWA	: 15 mg/m^3 TWA (total dust); 5 mg/m^3 TWA (respirable fraction)	TWA: 10 mg/m^3 TWA: 5 mg/m^3
Cellulose	: 10 mg/m^3 TWA	: 15 mg/m^3 TWA (total dust); 5 mg/m^3 TWA (respirable fraction)	TWA: 10 mg/m^3 TWA: 5 mg/m^3
Sodium bicarbonate	No data available	5 mg/m^3 PNOR (as solid)	No data available
Disodium phosphate, anhydrous	No data available	5 mg/m^3 PNOR (as solid)	No data available
Urea	No data available	No data available	No data available
Casein	No data available	No data available	No data available
Sodium chloride	No data available	5 mg/m^3 PNOR (as solid)	No data available
Monosodium phosphate, anhydrous	No data available	5 mg/m^3 PNOR (as solid)	No data available
Bacillus species	3 mg/m^3 PNOS (as solid)	5 mg/m^3 PNOR (as solid)	No data available
Pseudomonas species	No data available	No data available	No data available

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
Respiratory Protection	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid Tablet	**Viscosity**	Granular
Color	White Speckled tan	**Odor**	Earthy
Odor Threshold	Not applicable	**Appearance**	Opaque
pH	Not applicable 8.4	**Specific Gravity**	0.69
Bulk Density (lb/cu ft)	43.4	**Evaporation Rate**	Not applicable
Percent Volatile (Volume)	0	**VOC Content (%)**	0
VOC Content (g/L)	0	**Vapor Pressure**	0 mmHg @ 70°F
Vapor Density	Not applicable	**Solubility**	Appreciable
n-Octanol/Water Partition	No data available	**Melting Point/Range**	No data available
Decomposition Temperature	No data available	**Boiling Point/Range**	Not applicable
Flammability (solid, gas)	No data available		
Flash Point	Does not flash	**Method**	Not applicable

Autoignition Temperature No information available.
Flammability Limits In Air % Dust explosion properties. **Upper** No data available **Lower** No data available

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.
Conditions to Avoid None
Incompatible Products Strong oxidizing agents, Strong acids, Strong bases, sodium hypochlorite.
Hazardous Decomposition Products Carbon oxides, Nitrogen oxides (NOx), Oxides of phosphorus, Phosphorus compounds.
Possibility of Hazardous Reactions None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):
Oral LD50 9,579.64
Dermal LD50 2,619.53
Inhalation LC50
Gas No information available
Mist No information available
Vapor No information available

Principle Route of Exposure Skin contact, Eye contact, Inhalation.
Primary Routes of Entry Ingestion
Acute Effects
Eyes Causes eye irritation.
Skin May cause skin irritation. While the bacteria in this product are nonpathogenic, contact with open sores or cuts can cause opportunistic infections in immuno-suppressed Individuals.
Inhalation May cause irritation of respiratory tract.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
Target Organ Effects Central nervous system, Respiratory system, Heart, Kidney, Eyes, Skin.
Aggravated Medical Conditions Neurological disorders, Respiratory disorders, Heart disease, Kidney disorders, Skin disorders.
Component Information
Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Maize starch	no data available	no data available	no data available	no data available	no data available
Cellulose	> 5 g/kg (Rat)	> 2 g/kg (Rabbit)	> 5800 mg/m^3 (Rat) 4 h	no data available	no data available
Sodium bicarbonate	= 4220 mg/kg (Rat)	no data available	no data available	no data available	no data available
Disodium phosphate, anhydrous	= 17 g/kg (Rat)	no data available	no data available	no data available	no data available
Urea	= 8471 mg/kg (Rat)	no data available	no data available	no data available	no data available
Casein	no data available	no data available	no data available	no data available	no data available
Sodium chloride	= 3 g/kg (Rat)	> 10 g/kg (Rabbit)	> 42 g/m^3 (Rat) 1 h	no data available	no data available
Monosodium phosphate, anhydrous	= 8290 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	no data available	no data available	no data available
Bacillus species	no data available	no data available	no data available	no data available	no data available
Pseudomonas species	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Maize starch	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Cellulose	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Sodium bicarbonate	no data available	no data available	no data available	no data available	no data available
Disodium phosphate, anhydrous	no data available	no data available	no data available	no data available	no data available
Urea	no data available	no data available	no data available	no data available	no data available
Casein	no data available	no data available	no data available	no data available	no data available
Sodium chloride	no data available	no data available	no data available	no data available	kidney
Monosodium phosphate, anhydrous	no data available	no data available	no data available	no data available	CNS, heart, kidney
Bacillus species	no data available	no data available	no data available	no data available	no data available
Pseudomonas species	no data available	no data available	no data available	no data available	no data available

Carcinogenicity There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Maize starch	not applicable	not applicable	not applicable	not applicable	not applicable
Cellulose	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium bicarbonate	not applicable	not applicable	not applicable	not applicable	not applicable
Disodium phosphate, anhydrous	not applicable	not applicable	not applicable	not applicable	not applicable
Urea	not applicable	not applicable	not applicable	not applicable	not applicable
Casein	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium chloride	not applicable	not applicable	not applicable	not applicable	not applicable
Monosodium phosphate, anhydrous	not applicable	not applicable	not applicable	not applicable	not applicable
Bacillus species	not applicable	not applicable	not applicable	not applicable	not applicable
Pseudomonas species	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Maize starch	no data available	no data available	no data available	no data available	N/A
Cellulose	no data available	no data available	no data available	no data available	N/A
Sodium bicarbonate	EC50 = 650 mg/L Nitzschia linearis 120 h	LC50 8250 - 9000 mg/L Lepomis macrochirus 96 h	no data available	EC50= 2350 mg/L 48 h	N/A
Disodium phosphate, anhydrous	no data available	no data available	no data available	no data available	N/A
Urea	no data available	LC50 16200 - 18300 mg/L Poecilia reticulata 96 h	EC50 = 23914 mg/L 5 min	EC50> 10000 mg/L 24 h EC50= 3910 mg/L 48 h	-1.59
Casein	no data available	no data available	no data available	no data available	N/A
Sodium chloride	no data available	LC50 5560 - 6080 mg/L Lepomis macrochirus 96 h LC50 = 12946 mg/L Lepomis macrochirus 96 h LC50 6020 - 7070 mg/L Pimephales promelas 96 h LC50 = 7050 mg/L Pimephales promelas 96 h LC50 6420 - 6700 mg/L Pimephales promelas 96 h LC50 4747 - 7824 mg/L Oncorhynchus mykiss 96 h	no data available	EC50= 1000 mg/L 48 h EC50 340.7 - 469.2 mg/L 48 h	N/A
Monosodium phosphate, anhydrous	no data available	no data available	no data available	no data available	N/A
Bacillus species	no data available	no data available	no data available	no data available	N/A
Pseudomonas species	no data available	no data available	no data available	no data available	N/A

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Maize starch	Not applicable	Not applicable
Cellulose	Not applicable	Not applicable
Sodium bicarbonate	Not applicable	Not applicable
Disodium phosphate, anhydrous	5000 lb	Not applicable
Urea	Not applicable	Not applicable
Casein	Not applicable	Not applicable
Sodium chloride	Not applicable	Not applicable
Monosodium phosphate, anhydrous	Not applicable	Not applicable
Bacillus species	Not applicable	Not applicable
Pseudomonas species	Not applicable	Not applicable

16. OTHER INFORMATION

Prepared By	Angela Hutson
Supercedes Date	10/12/2011
Issuing Date	05/17/2013
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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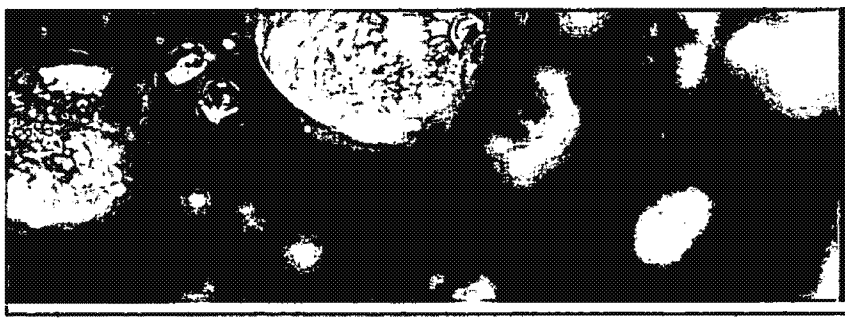

ECO Bionics®
Cost-Effective, On-Site Biogeneration

Announcing New and Enhanced FREE-FLOW™

In its first reformulation since 2002, FREE-FLOW is now better than ever. Thanks to your input and the ongoing efforts of our R&D staff, we are pleased to announce several significant product improvements you'll see with all orders once existing inventory is depleted.

Improvement	Benefit
Added Bacteria Strains + 2 *Bacillus subtilis* strains + 2 *Bacillus amyloliquefaciens* strains + 2 *Bacillus simplex* strains	Fatty Acid Degraders (FADs) Reduces fatty acid buildup which helps prevent a reduction in pH of an application such as a grease trap/interceptor Improved performance at lower temperatures
Removed Casein Replaced by soybean meal	Eliminates all animal source materials Helps alleviate concerns from some government and regulatory agencies regarding animal source raw materials.

Key Features of New, Enhanced FREE-FLOW

12 Bacteria Strains Total
More strains offer improved performance across a wider spectrum of applications.

Expanded Growth Temperature Range*
Bacillus 50-120°F
Pseudomonas 68-91°F
Ideal growth temperature 86°F

No Free Enzymes or Surfactants
FREE-FLOW actually digests and removes FOG, unlike solvents and free enzyme products which liquefy organic waste allowing it to flow to the treatment facility.

All Bacteria Strains:
- Are naturally-occurring soil bacteria that have not been genetically-altered, genetically-engineered or genetically-modified
- Are considered Biosafety Level 1
- Were selected to degrade carbohydrates, proteins and FOG (animal, plant and cooking)

For your convenience, the attached PDF details the specific FREE-FLOW upgrades and can be shared with your customers.

We hope you are pleased with these new FREE-FLOW enhancements and look forward to your feedback. Let us know how we can further support your efforts and help meet your customers' needs.

*Performance varies with temperature.

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Metropolitan
St. Louis Sewer
District

Division of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(314) 436-8710
FAX (314) 436-8753

August 22, 2006

Lisa Valdez
NCH Corporation
2730 Carl Road
Irving, TX 75062

Dear Ms. Valdez:

We have reviewed the information that you sent to us concerning the BioAmp product. Although the Metropolitan St. Louis Sewer District (MSD) does not endorse the use of any products or services, the information you provided indicates that the use of this grease program would not violate MSD Ordinance No. 8472. Be advised that a complete grease program must include all of the following components:

- A routine inspection and maintenance program in which the grease interceptor and kitchen facilities are inspected on a routine basis and corrective action taken
- A frequent grease interceptor pumping program which includes pumping and cleaning the grease interceptor at a frequency to prevent build-up of excessive grease and other substances
- A comprehensive training program for both the employees and the customers to ensure an effective grease control program

If at any time the MSD determines that this grease program is ineffective at controlling the release of grease to the MSD sewer system and/or the MSD Ordinance discharge limit of 200 mg/l of Oil & Grease is exceeded, then a notice of violation (NOV) will be issued to that facility. If it is determined that the facility has caused or contributed to a grease problem in the MSD sewer system, then additional enforcement and/or penalties may be assessed against that facility.

If you have any questions concerning this letter or enforcement of MSD Ordinance No. 8472, please call us at 314-436-8719.

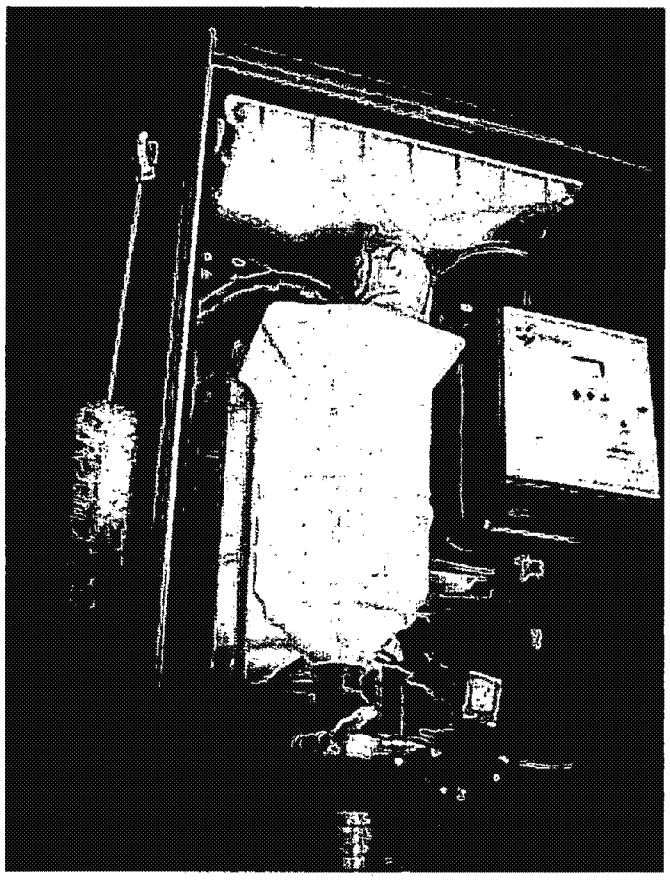
Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Darryl Reed
Pollution Control Supervisor

bv

BIO-Amp™

Biological Drain Maintenance System



Following initial set up, the system functions automatically to produce approximately one gallon of fermented product every 24 hours following these steps

1. Dispense the finished product into the desired waste stream location—Approximately one gallon of vegetative organisms
2. Perform predetermined rinsing and cleaning operations to remove any residual product
3. Feed the required tablet dose into the growth vessel –Feeder mechanism collects tablets from hopper and dumps into the growth vessel based upon the predetermined doses selected
4. Adds the correct amount of water to the growth vessel by a programmed/timed fill
5. Start the circulating pump to grow the next batch of product – Tangential flow entering the growth

BENEFITS

- Fully automated, programmable and self contained
- Worry-free operation, 24/7
- Integrates with all existing waste-water treatment equipment
- No free enzymes or surfactants which liquefy grease
- Small size makes installation easy
- Exclusively uses ECO Bionics FREE-FLOW™, a unique formula of bacteria which contains no free enzymes or surfactants
- Reduces effluent FOG, BOD and TSS
- Lowers surcharges
- No capital investment required
- Guarantees trouble-free maintenance costs
- Reduces operation and maintenance costs
- Helps reduce odors
- Allows for customized treatment on-site

INSTALLATION REQUIREMENTS

The BIO-Amp requires the following conditions for proper installation and operation

1. For best results, ambient temperatures between 60°F - 80°F
2. Protection from precipitation, water spray or excessively humid conditions
3. GFI protected outlet 110V AC electrical supply within 6 feet of unit
4. Cold city water (preferably from hose bib connection) within 10 feet of unit

INDUSTRIES/CLIENTS

- Healthcare
- Education
- Hotel/Resort
- Catering
- Chemical Manufacturing
- Food Processing
- Municipal

AREAS OF APPLICATION

- Grease Traps
- Lift Stations
- Drain Lines
- Oil/Water Separators

TECHNICAL SPECIFICATIONS

- Dimensions—H 29.25", W 18.50", D 9.25" / Door front clearance - 26.0"
- Painted metal cabinet with locked door—16 gauge steel
- 24VAC circulating pump and valves
- 24VAC air pump
- Hopper and Feeder Mechanism (ABS material for Tablet dosing)
- Polypropylene growth vessel
- Control panel with software programming
- Potable water atmospheric vacuum breaker
- Interconnecting piping for water supply and drain connections
- Designed for
  - Wall mounted operation with supplied hanging bracket
  - Countertop operation
  - Under counter operation

CHEMSEARCH.FE™

CHEMSEARCH FE / A Division of NCH Corporation
2727 Chemsearch Blvd., Irving, TX 75062
©2011 NCH Corporation (1M103)
www.ecoflow.chemsearch.com

Consult product labels for complete directions and precautions before using this product.

ISO 9001 QUALITY ASSURANCE

CSPA Product Care

Safety Data Sheet: FREE-FLOW

Supercedes Date 10/12/2011 **Issuing Date** 05/17/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name FREE-FLOW
Recommended use Use in drains
Information on Manufacturer
CHEMSEARCH FE DIV. OF NCH CORP.
BOX 152170
IRVING, TX 75015

Product Code 4051
Chemical nature bacteria solid mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color White Speckled tan **Physical State** Solid Tablet **Odor** Earthy

GHS
Classification
Physical Hazards
None
Health Hazard
Serious Eye Damage/Eye Irritation Category 2B
Other hazards
None

Labeling
Signal Word
WARNING

Hazard Statements
H320 - Causes eye irritation

Precautionary Statements
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Maize starch	9005-25-8	10-30
Cellulose	9004-34-6	7-13
Sodium bicarbonate	144-55-8	5-10
Disodium phosphate, anhydrous	7558-79-4	5-10
Urea	57-13-6	3-7
Casein	9000-71-9	3-7
Sodium chloride	7647-14-5	1-5
Monosodium phosphate, anhydrous	7558-80-7	1-5
Bacillus species	NOT APPLICABLE	<0.1
Pseudomonas species	NOT APPLICABLE	<0.1

4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing dust.
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash **Method** Not applicable

Flammability Limits in Air % Dust explosion properties. **Upper** No data available **Lower** No data available

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Dust can form an explosive mixture in air.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	**Health** 1	**Flammability** 1	**Instability** 0
HMIS	**Health** 1	**Flammability** 1	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Prevent further leakage or spillage if safe to do so.
Environmental Precautions	No special environmental precautions required.
Methods for Containment	Cover powder spill with plastic sheet or tarp to minimize spreading.
Methods for Cleaning Up	Pick up and arrange disposal without creating dust.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing the dust.
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.
Storage Temperature	**Minimum** 33 °F / 1 °C **Maximum** 77 °F / 25 °C
Storage Conditions	**Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Maize starch	: 10 mg/m^3 TWA	: 15 mg/m^3 TWA (total dust); 5 mg/m^3 TWA (respirable fraction)	TWA: 10 mg/m^3 TWA: 5 mg/m^3
Cellulose	: 10 mg/m^3 TWA	: 15 mg/m^3 TWA (total dust); 5 mg/m^3 TWA (respirable fraction)	TWA: 10 mg/m^3 TWA: 5 mg/m^3
Sodium bicarbonate	No data available	5 mg/m^3 PNOR (as solid)	No data available
Disodium phosphate, anhydrous	No data available	5 mg/m^3 PNOR (as solid)	No data available
Urea	No data available	No data available	No data available
Casein	No data available	No data available	No data available
Sodium chloride	No data available	5 mg/m^3 PNOR (as solid)	No data available
Monosodium phosphate, anhydrous	No data available	5 mg/m^3 PNOR (as solid)	No data available
Bacillus species	3 mg/m^3 PNOS (as solid)	5 mg/m^3 PNOR (as solid)	No data available
Pseudomonas species	No data available	No data available	No data available

Engineering Measures	Ensure adequate ventilation, especially in confined areas..
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
Respiratory Protection	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid Tablet	**Viscosity**	Granular
Color	White Speckled tan	**Odor**	Earthy
Odor Threshold	Not applicable	**Appearance**	Opaque
pH	Not applicable 8.4	**Specific Gravity**	0.69
Bulk Density (lb/cu ft)	43.4	**Evaporation Rate**	Not applicable
Percent Volatile (Volume)	0	**VOC Content (%)**	0
VOC Content (g/L)	0	**Vapor Pressure**	0 mmHg @ 70°F
Vapor Density	Not applicable	**Solubility**	Appreciable
n-Octanol/Water Partition	No data available	**Melting Point/Range**	No data available
Decomposition Temperature	No data available	**Boiling Point/Range**	Not applicable
Flammability (solid, gas)	No data available		
Flash Point	Does not flash	**Method**	Not applicable

Autoignition Temperature No information available.
Flammability Limits in Air % Dust explosion properties. **Upper** No data available **Lower** No data available

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.
Conditions to Avoid None
Incompatible Products Strong oxidizing agents, Strong acids, Strong bases, sodium hypochlorite.
Hazardous Decomposition Products Carbon oxides, Nitrogen oxides (NOx), Oxides of phosphorus, Phosphorus compounds.
Possibility of Hazardous Reactions None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):
Oral LD50 9,579.64
Dermal LD50 2,619.53
Inhalation LC50
Gas No information available
Mist No information available
Vapor No information available

Principle Route of Exposure Skin contact, Eye contact, Inhalation.
Primary Routes of Entry Ingestion
Acute Effects
Eyes Causes eye irritation.
Skin May cause skin irritation. While the bacteria in this product are nonpathogenic, contact with open sores or cuts can cause opportunistic infections in immuno-suppressed Individuals.
Inhalation May cause irritation of respiratory tract.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
Target Organ Effects Central nervous system, Respiratory system, Heart, Kidney, Eyes, Skin.
Aggravated Medical Conditions Neurological disorders, Respiratory disorders, Heart disease, Kidney disorders, Skin disorders.
Component Information
Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Maize starch	no data available	no data available	no data available	no data available	no data available
Cellulose	> 5 g/kg (Rat)	> 2 g/kg (Rabbit)	> 5800 mg/m^3 (Rat) 4 h	no data available	no data available
Sodium bicarbonate	= 4220 mg/kg (Rat)	no data available	no data available	no data available	no data available
Disodium phosphate, anhydrous	= 17 g/kg (Rat)	no data available	no data available	no data available	no data available
Urea	= 8471 mg/kg (Rat)	no data available	no data available	no data available	no data available
Casein	no data available	no data available	no data available	no data available	no data available
Sodium chloride	= 3 g/kg (Rat)	> 10 g/kg (Rabbit)	> 42 g/m^3 (Rat) 1 h	no data available	no data available
Monosodium phosphate, anhydrous	= 8290 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	no data available	no data available	no data available
Bacillus species	no data available	no data available	no data available	no data available	no data available
Pseudomonas species	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Maize starch	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Cellulose	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Sodium bicarbonate	no data available	no data available	no data available	no data available	no data available
Disodium phosphate, anhydrous	no data available	no data available	no data available	no data available	no data available
Urea	no data available	no data available	no data available	no data available	no data available
Casein	no data available	no data available	no data available	no data available	no data available
Sodium chloride	no data available	no data available	no data available	no data available	kidney
Monosodium phosphate, anhydrous	no data available	no data available	no data available	no data available	CNS, heart, kidney
Bacillus species	no data available	no data available	no data available	no data available	no data available
Pseudomonas species	no data available	no data available	no data available	no data available	no data available

Carcinogenicity There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Maize starch	not applicable	not applicable	not applicable	not applicable	not applicable
Cellulose	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium bicarbonate	not applicable	not applicable	not applicable	not applicable	not applicable
Disodium phosphate, anhydrous	not applicable	not applicable	not applicable	not applicable	not applicable
Urea	not applicable	not applicable	not applicable	not applicable	not applicable
Casein	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium chloride	not applicable	not applicable	not applicable	not applicable	not applicable
Monosodium phosphate, anhydrous	not applicable	not applicable	not applicable	not applicable	not applicable
Bacillus species	not applicable	not applicable	not applicable	not applicable	not applicable
Pseudomonas species	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Maize starch	no data available	no data available	no data available	no data available	N/A
Cellulose	no data available	no data available	no data available	no data available	N/A
Sodium bicarbonate	EC50 = 650 mg/L Nitzschia linearis 120 h	LC50 8250 - 9000 mg/L Lepomis macrochirus 96 h	no data available	EC50= 2350 mg/L 48 h	N/A
Disodium phosphate, anhydrous	no data available	no data available	no data available	no data available	N/A
Urea	no data available	LC50 16200 - 18300 mg/L Poecilia reticulata 96 h	EC50 = 23914 mg/L 5 min	EC50> 10000 mg/L 24 h EC50= 3910 mg/L 48 h	-1.59
Casein	no data available	no data available	no data available	no data available	N/A
Sodium chloride	no data available	LC50 5560 - 6080 mg/L Lepomis macrochirus 96 h LC50 = 12946 mg/L Lepomis macrochirus 96 h LC50 6020 - 7070 mg/L Pimephales promelas 96 h LC50 = 7050 mg/L Pimephales promelas 96 h LC50 6420 - 6700 mg/L Pimephales promelas 96 h LC50 4747 - 7824 mg/L Oncorhynchus mykiss 96 h	no data available	EC50= 1000 mg/L 48 h EC50 340.7 - 469.2 mg/L 48 h	N/A
Monosodium phosphate, anhydrous	no data available	no data available	no data available	no data available	N/A
Bacillus species	no data available	no data available	no data available	no data available	N/A
Pseudomonas species	no data available	no data available	no data available	no data available	N/A

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	No	No

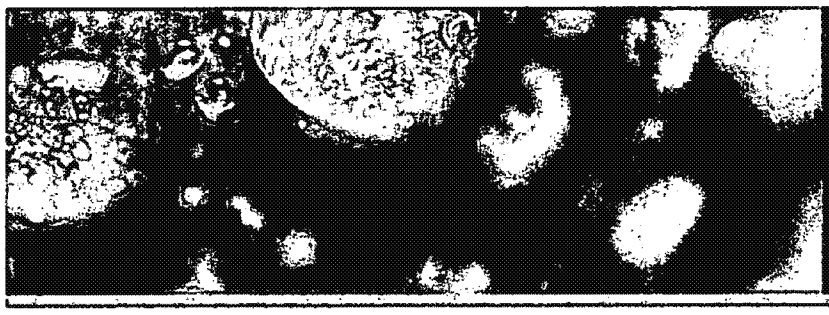
CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Maize starch	Not applicable	Not applicable
Cellulose	Not applicable	Not applicable
Sodium bicarbonate	Not applicable	Not applicable
Disodium phosphate, anhydrous	5000 lb	Not applicable
Urea	Not applicable	Not applicable
Casein	Not applicable	Not applicable
Sodium chloride	Not applicable	Not applicable
Monosodium phosphate, anhydrous	Not applicable	Not applicable
Bacillus species	Not applicable	Not applicable
Pseudomonas species	Not applicable	Not applicable

16. OTHER INFORMATION

Prepared By	Angela Hutson
Supercedes Date	10/12/2011
Issuing Date	05/17/2013
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

CHEMSEARCH FE DIV. OF NCH CORP.assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.



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*Performance varies with temperature.

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NCH CORPORATION nsearch Boul rd Irving, Texas 75062

Metropolitan
St. Louis Sewer
District

Division of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(314) 436-8710
FAX (314) 436-8753

August 22, 2006

Lisa Valdez
NCH Corporation
2730 Carl Road
Irving, TX 75062

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If you have any questions concerning this letter or enforcement of MSD Ordinance No. 8472, please call us at 314-436-8719.

Sincerely.
METROPOLITAN ST. LOUIS SEWER DISTRICT

Darryl Reed
Pollution Control Supervisor

bv

SR
7-12

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus** 1024309000
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 7/11/2018

RECEIVED
JUL 12 2018
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

SR

PART I: IDENTIFYING INFORMATION 1024309000

Company Name: **Saint Louis University/Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
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TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 4/4/2018

RECEIVED
APR 04 2018
DIVISION OF ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

1024-3090-00

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 1/12/18

RECEIVED
JAN 17 2018
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

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Permit No: -
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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 10/10/17

RECEIVED
OCT 10 2017
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 7/20/17

RECEIVED
JUL 20 2017
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 4/13/17

RECEIVED
APR 13 2017
DIVISION OF ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: RECEIVED Date: 1/4/17

JAN 04 2017

DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL FACILITY INSPECTION REPORT

Company: St. Louis University Account #: 1024309000
Premise Address: 3500 Lindell Zip Code: 63103
MSD Classes: SIU ☐ Non-Significant CIU ☐ CIU ☐ Surcharge ☐ Non-Toxic Process Water/Wastes ☐
Toxics-Bearing Waste ☒ No Process Discharge ☐ Multi-User ☐ Special Handling/Billing ☐
Company Representative: John Wenkle
Title: Facilities Supervisor Phone#: (314) 220-7831
Inspector: Dave Kupke
Others Present: None
Inspection Date: **12/22/16** Time: From 12:37 PM To 02:56 PM (Last Insp. 4/6/15)

NOTE: ALL ITEMS ARE TO BE COMPLETED BASED ON EVENTS SINCE LAST INSPECTION. ANSWERS ARE BASED ON INFORMATION OBTAINED OR PROVIDED BY COMPANY DURING INSPECTION, AS WELL AS INFORMATION IN FILE.

***** DATABASE ALSO UPDATED WITH APPROPRIATE CHANGES - see attached database reports *****

1. A. ARE THERE ADDITIONAL NON-STORMWATER ACCOUNT NUMBERS? Yes☒ No☐
List them, note any changes: Remove 10248645-00 (3741 Laclede Avenue-this building has a permit demolition) and 10481057-00 (115 N Compton Avenue located near SLU's baseball diamond) they are no longer active. The additional active accounts are 10243046-00, 10243055-00, 10244173-00,10243139-00, 10243140-00, 10243141-00, 10243142-00, 10244126-00, 10244258-00, 10474927-00.

B. Were any changes (including to the primary or changes only to suffixes) for acct no's with RFs? NA☒ Yes☐ No☐
C. If yes to B, was Cost Recovery Unit informed of the change(s)? NA☐ Yes☐ No☐
D. Did all acct no's have water usage on PIMS? Yes☒ No☐
E. If no to D, explain: _____

2. PROCESSES & CLEANUP/WASHDOWN:

	Cont/ Batch?	Water/Liquids Used?	DISCHARGE Frequency (or how else disposed?)	Sample pt.
Science Labs (Monsanto bldg.)	Batch	Yes	daily	SP011
Kitchen waste	Batch	Yes	daily	SP003, SP007, SP008, SP011, SP012
Process-Cage Wash Biology building animal testing	Batch	Yes	daily	SP007
Residential living-students	Cont	Yes	daily	SP003, SP007, SP008, SP011, SP012
Cooling tower blowdown	Batch	Yes	daily	SP003, SP007, SP008, SP011, SP012
Boiler blowdown	Batch	Yes	daily	SP003, SP007, SP008, SP011, SP012

3. PRETREATMENT (other than grease traps) - describe:

	Sample pt.
None	N/A

4. DOES COMPANY HAVE ANY GREASE TRAPS? Yes☒ No☐

If yes:
- A. List sample points: SP003, SP007, SP008, SP011 and SP012
- B. What is the frequency for cleaning & maintenance? monthly
- C. Are any additives used in traps? Yes☒ No☐
- D. If yes to C, was company warned MSD will bill them for blockages they cause? Yes☒ No☐
- E. Was company informed that MSD performs separate grease trap inspections? Yes☒ No☐

5. HAS COMPANY CONSTRUCTED NEW BLDGS/ADDITIONS WITH SEWERS SINCE LAST INSPECTION? Yes☒ No☐

If yes:
- A. Ask company: Did they notify MSD's Plan Review group? Unknown☐ Yes☒ No☐
- B. If no or unknown, has inspector notified Plan Review group? Yes☐ No☐
- C. Comments: building a new residential hall off of Grand

6. HAS COMPANY BEGUN DISCHARGING ANY NEW POLLUTANTS SINCE THE LAST INSPECTION? Yes☐ No☒

If yes:
- A. List pollutants & process: _____
- B. Will MSD STP exceed existing NPDES discharge limit(s)? Yes☐ No☐
- C. Will MSD STP's discharge exceed 0.1 mg/l for any new pollutant? Yes☐ No☐
  (MSD must notify MDNR if B or C is yes and discharge will continue [40CFR122.42(b)].)
- D. Comments: _____

7. ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS THAT ARE "NOT APPLICABLE"? Yes☐ No☒
(including those that are 'No PSES' and 'General Stds Only')

If yes:
- A. List regulation & describe operations (including any discharge):
  _____
- B. Explain why it is N/A: _____

8. ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS SUBJECT TO DISCHARGE LIMITS? Yes☐ No☒

If yes:
- A. List regulation & describe operations (including any discharge):
  _____
- B. Is maximum daily categorical discharge ≤ 100 GPD? (includes batch discharges) Yes☐ No☐

If yes to B:
- C. Batch ☐ or Continuous ☐? Volume verified how? _____
- D. Does company ever discharge untreated, concentrated categorical wastewater? Yes☐ No☐
- E. Was company in SNC during any part of the previous **24** months? Yes☐ No☐
- F. Date of last NSCIU Certification Statement: _____ or not currently NSCIU ☐
  (If no to B, yes to D or E, or Cert. Statement not submitted as required, company is not eligible to be an NSCIU)

9. HAS COMPANY CERTIFIED TO THE ABSENCE OF SPECIFIC CATEGORICAL POLLUTANTS? Yes☐ No☒
(New certification also is required for each permit renewal)

If yes:
- A. Certification date: _____
- B. Pollutants accepted by MSD as absent: _____
- C Were any requested "absent" pollutants rejected by MSD? Yes☐ No☐
  If yes to C: D. List them and explain why: _____
- E. Were all the accepted pollutants non-detect in all monitoring since certification was approved? Yes☐ No☐
  (If compared to intake water levels, explain details below)
  If no to E: F. Explain: _____
  G. Does Wastewater Discharge Permit need to be updated to remove detected pollutants? Yes☐ No☐
- H. Comments: _____

10. DOES CATEGORICAL WASTEWATER COMBINE WITH NON-CATEGORICAL WW PRIOR TO SAMPLING? Yes☐ No☒

If yes:
- A. At which points? _____
- B. Current applied factor: _____ Is it correct? Yes☐ No☐
- C. If no, list correct factor/explain? _____

11. IS ANY WASTEWATER SUBJECT TO PRODUCTION ☐ OR MASS ☐ BASED STANDARDS? Yes☐ No☒

If yes: A. At which points? _____

B. . Since calculation of the current limits, has the long term avg production rate or discharge volume changed by 20% or more? Yes☐ No☐

C. If yes to B, explain: _____

12. ARE ANY RADIOACTIVE MATERIALS HANDLED? Yes☒ No☐

If yes: A. Describe operations & disposal: P-32 radioisotope decayed before disposal

B. If non-exempt & disposed to sewer, does company submit quarterly reports to MSD? NA☐ Yes☒ No☐

(If No to B, write company & require quarterly reports of discharge to sewer – or have permit revised as needed)

C. Amount discharged in most recent four complete calendar quarters: 0

D. Is company in compliance with requirements of sewer use ordinance prohibition? Yes☒ No☐

13. DOES COMPANY GENERATE WASTES/WASTEWATER BY GENETIC ENGINEERING RESEARCH? Yes☐ No☒

If yes: A. Does company render wastes/wastewater innocuous? Yes☐ No☐

B. If yes, describe how: _____

C. Does company have MSD authorization for disposal to sewer? NA☐ Yes☐ No☐

D. Most recent authorization date: _____

14. DOES PROCESS or P&E WASHDOWN WATER USE APPEAR EXCESSIVE? Yes☐ No☒

(IS COMPANY USING DILUTION TO MEET DISCHARGE LIMITATIONS?)

A. Explain how use was verified & any needed changes:

Tour of the facility revealed no excessive water usage due to the campus student population, vast campus size. The areas that perform commercial water usage is from their chemical and biological labs. During the tour of the campus, I found an additonal source of water from the Biology building (animal studies) performing cage wash at SP007.

15. BASED ON OBSERVATIONS DURING INSPECTION, DOES COMPANY APPEAR TO HAVE SOME WATER THAT IS NOT DISCHARGED TO SEWER? Yes☒ No☐

If yes: A. Describe: evaporative loss cooling tower and boiler, lawn irrigation, and water fountains

B. Was "Return Factor Program" brochure given to company? Yes☒ No☐

(regardless of whether some water is not discharged to sewer)

16. HAS COMPANY BEEN GRANTED A VARIANCE FROM DISCHARGE LIMITATIONS CONTAINED IN THE SEWER USE ORDINANCE? Yes☐ No☒

If yes: A. Pollutant(s) and variance limit: _____

B. Latest approval date: _____

C. Is the approved variance more than 5 years old? Yes☐ No☐

(If yes to C, a new variance must be requested – write company)

17. HAVE ANY NUMERICAL LIMITATIONS BEEN APPLIED TO COMPANY, IN ADDITION TO THOSE ALREADY CONTAINED IN THE SEWER USE ORDINANCE? Yes☐ No☒

If yes: A. Pollutant(s) and discharge limit: _____

B. Date originally applied: _____, or as part of variance above? ☐

18. HAS COMPANY EXCEEDED ORDINANCE DISCHARGE LIMITS SINCE LAST INSPECTION OR WITHIN THE LAST 12 MONTHS (if last insp <12 months ago)? Yes☐ No☒

If yes: A.

Pollutant	When	Sample Points	Is problem resolved? Y/N	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

B. Comments: _____

19. HAS COMPANY EXCEEDED CATEGORICAL PRETREATMENT LIMITS SINCE THE LAST INSPECTION OR WITHIN LAST 12 MONTHS (if last insp <12 months ago)? NA☒ Yes☐ No☐

If yes: A.

Pollutant	When	Sample Points	Is problem resolved? Y/N	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

B. Comments: _____

20. HAVE THERE BEEN ANY PROBLEM DISCHARGES SINCE LAST INSPECTION? Yes☐ No☒

If yes: A. Upsets? ☐ Bypasses of pretreatment facilities? ☐
Spills? ☐ Slug discharges? ☐ Other? _____
B. Explain any marked: _____

21. COULD SPILLS OR LEAKS OF ANY PROCESS TANKS, OR STORAGE TANKS, OR STORED WASTES, OR STORED CHEMICALS EASILY REACH SANITARY SEWERS OR STORM DRAINS? Yes☐ No☒

If yes: A. What needs to be done?
_____

If no: B. How are they controlled?
All chemical wastes are stored in a segregated area for disposal and chemicals are stored in the appropriate cabinets.

22. DOES COMPANY HAVE ANY NPDES PERMITS? Yes☐ No☒

If yes: A. Receiving stream:_____
B. Does it have a MDNR general permit for stormwater discharges from industrial activities? Yes☐ No☐
If yes to B: Permit #: MO-R_____
C. Does it have a MDNR general permit for wastewater discharges? Yes☐ No☐
If yes to C: Permit #: MO-G_____ Permitted activity:_____
D. Does it have a MDNR site specific permit for wastewater discharges? Yes☐ No☐
If yes to D: Permit #: MO0_____

Outfall	Description	Vol (GPD)	Components

E. Comments: _____

23. BASED ON OBSERVATIONS DURING INSPECTION, ARE THERE ANY AREAS WHERE COMPANY ACTIVITIES APPEAR TO IMPAIR STORMWATER RUNOFF? Yes☐ No☒

If yes: A. Describe: _____
B. What needs to be done? _____
C. Was "Illicit Stormwater Discharges" brochure given to company? Yes☒ No☐
(regardless of whether there are any problem areas)

24. DOES COMPANY HAVE ANY WRITTEN SLUG DISCHARGE CONTROL (INCLUDES SPILLS) PLANS [40CFR403.8(f)(2)(vi)]? Yes☐ No☒

If yes: A.

	Title (actual title, NOT "SPCCP")	Last Update
1.		
2.		

B. Were Plans reviewed for completeness, especially regarding batch discharges/slugs and Q.19/20/21? (must be done) Yes☐ No☐
C. Are updates needed to existing Plans? (If yes, write company & require) Yes☐ No☒
D. Are any Plans needed (either in addition to those listed in Part A, or if there currently are no written control plans)? (If yes, write company & require) Yes☐ No☒
E. Explain why/why not for C or D: Campus does not have a significant volume of chemicals or wastes to require a spill plan

25. DOES COMPANY HAVE ANY MAINTENANCE SHOP PARTS WASHERS? Yes☒ No☐

If yes: A. Parts washer solvent name: Naptha Petroleum

B. Priority pollutants (or "none"): BTEX

C. How is spent solvent disposed? hauled offsite

(These solvents are not included in database's priority pollutants list, nor monitored for unless conditions show potential discharges)

26. ARE ANY ORGANICS OR SOLVENTS USED (OTHER THAN IN PARTS WASHERS)? Yes☒ No☐

If yes: A.

Solvent name/ components	Used for?	413/433/469 Process?	How disposed?	Priority Pollutant?
Ethanol, Acetone, Methanol	lab reagent	Yes☐ No☒	hauled offsite	Yes☐ No☒
Chloroform, Methylene Chloride	lab reagent	Yes☐ No☒	hauled offsite	Yes☒ No☐
small lab quantitites listed on Industrial Data Sheet	lab reagent	Yes☐ No☒	hauled offsite	Yes☒ No☐
		Yes☐ No☐		Yes☐ No☐
		Yes☐ No☐		Yes☐ No☐
		Yes☐ No☐		Yes☐ No☐

27. DOES COMPANY HAVE A 413/433/469-REGULATORY "SOLVENT MANAGEMENT PLAN"? Yes☐ No☒

(Applies if co. has 413/433/469 processes, whether or not solvents used)

If yes: A. Is it part of a Spill/Slug Control Plan listed above? Yes[1.☐ 2.☐] No☐

B. If no to A, date of last update for SMP: _____

C. Is there a copy of the Spill/Slug Plan or SMP in the files? Yes☐ No☐

D. Does SMP address all 413/433/469 solvents? (or verify "none" ☐) Yes☐ No☐

(If no to C or D, write company and require submittal and/or update)

28. ARE EMERGENCY NOTIFICATION PROCEDURES POSTED THAT INCLUDE MSD CONTACTS? Yes☒ No☐

A. Was company provided notification cards & told to post where emergency response personnel can locate them? Yes☒ No☐

(Must post if company generates process wastewater or stores chemicals of concern)

29. IS COMPANY REQUIRED TO SELF-MONITOR ANY OF THEIR DISCHARGES? Yes☐ No☒

If yes: A. Is requirement contained in permit ☐ or other document ☐.

B. If other document, date & description: _____

C. How frequently is sampling required? _____

D. How frequently are reports required? _____

E. Have reports been on-time, complete & signed by proper person? Yes☐ No☐

F. If no, explain: _____

30. DOES COMPANY SELF-MONITOR ITS WASTEWATER DISCHARGE? Yes☐ No☒

If yes: A. Does sample collection time period match co's production shifts? Yes☐ No☐

B. Are representative grab/comp samples collected? Yes☐ No☐

C. Are EPA-approved 40 CFR 136 wastewater test methods used? Yes☐ No☐

D. Does company measure pH and/or temperature itself? Yes☐ No☐

If yes: E. Have the company show equipment and procedure (meters, calibration stds, etc.). Is measurement performed properly? Yes☐ No☐

F. If no to A,B,C, or E, _____ explain needed changes:

31. DOES COMPANY CONTINUOUSLY MONITOR AT SAMPLE POINT AND KEEP A PERMANENT RECORD FOR: pH ☐, TEMP ☐, LEL ☐? Yes☐ No☒

If yes: A. At which SPs? _____

B. Are discharge limits in PIMS "alert only"? (If not, change to that & make note: _____) Yes☐ No☐

C. Does company submit quarterly summaries? Yes☐ No☐

D. If no, explain: _____

32. DOES MSD SPLIT SAMPLES WITH THE COMPANY? Yes☐ No☒

If yes: A. Is company having the samples analyzed Yes☐ No☐

B. How does company insure proper preservation, holding times & analytical methods?

_____

C. Has company submitted results of all split sample analyses since the last insp? Yes☐ No☐

D. Have results been submitted within 28 days of the collection's calendar quarter? Yes☐ No☐

E. If no to C, or D, explain: _____

F. Does company still want to split samples? Yes☐ No☐

G. Comments: _____

33. IS COMPANY REQUIRED TO REGULARLY SUBMIT ANY REPORTS OTHER THAN SELF-MONITORING REPORTS? Yes☒ No☐

If yes: A. Is requirement contained in permit ☐ or other document ☒.

B. If other document, date & description: _____

C. What is required to be reported? radioactive discharge report

D. How frequently are reports required? quarterly

E. Have reports been on-time, complete & signed by proper person? Yes☒ No☐

F. If no, explain: _____

34. IS COMPANY UNDER ANY ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS TO SUBMIT COMPLIANCE SCHEDULE REPORTS? Yes☐ No☒

If yes: A. Type and date: _____

B. Have the reports & actions been on-time & complete? Yes☐ No☐

C. If no, explain: _____

35. ASK COMPANY: IS COMPANY IN COMPLIANCE W/APPLICABLE NESHAP REGULATIONS FOR WW DISCHARGES? Yes☒ No☐

[To see if 40CFR63 applies to MSD plant, per §§63.1580(b) & 63.1582(a). Some MDNR-issued Title V air permits for specific processes allow pre-approved WW discharge. City/County-issued air permits are not NESHAP permits.]

If no: A. Describe: _____

B. Was MDNR Air Pollution Control informed? (must be done) Yes☐ No☐

36. DOES COMPANY RETAIN ALL WASTEWATER RECORDS FOR AT LEAST 5 YEARS? Yes☐ No☒

If no: A. How long does company retain records? unknown due to change of contact.

B. Was company told to retain for at least 5 years, per ordinance? Yes☒ No☐

C. Where are they kept? New contact will develop and maintain an MSD records file.

37. IS COMPANY CLASSIFIED AS A SIGNIFICANT INDUSTRIAL USER (SIU)? Yes☐ No☒

If yes: A. Check & explain applicable criteria:

☐ Process subject to categorical stds under 40 CFR 403.6. Which cat. stds? _____

☐ Process discharge => 25,000 GPD Total process volume: _____

☐ Process discharge => 5% of TP ADW hydraulic capacity TP ADW hydraulic capacity: _____. Percent: _____

☐ Process discharge => 5% of TP ADW organic capacity Which organic pollutant? _____

TP ADW organic capacity: _____. Percent: _____

☐ Reasonable potential for adverse effect on operations Why? _____

☐ Reasonable potential for violating PT std or req't Which ones & why? _____

B. Does company own its bldg (is it listed as the owner in E-CIS)? Yes☐ No☐

If no: C. What is Bldg owner name (use DBA if avail.)? _____
(check E-CIS CAPS Customer Info)

D: What is Bldg owner mailing address? _____
(check E-CIS CAPS Customer Info)

38. DO MSD CLASSIFICATIONS NEED TO BE REVISED? Yes☐ No☒

If yes: A. Indicate correct classifications:

SIU ☐ Non-Significant CIU ☐ CIU ☐ Surcharge ☐ Non-Toxic Process Water/Wastes ☐

Toxics-Bearing Waste ☐ No Process Discharge ☐ Multi-User ☐ Special Handling/Billing ☐

B. Explain changes: _____

39. IS COMPANY CLASSIFIED AS "Multi-User"? Yes☐ No☒

If yes:
- A. Is company's discharge segregated from other tenants' discharge? Yes☐ No☐
- B. If no to A, does the company own the bldg/receive the MSD bills? Yes☐ No☐
- C. If yes to B, was company informed it is responsible for total discharge, or else must provide segregated sample points? Yes☐ No☐
- D. If no to B, are any Process/P&E Wash-type wastes discharged? Yes☐ No☐
- E. If yes to D, are the wastes completely innocuous? Yes☐ No☐
  (And explain why/why not: _____)
- F. If yes to D, and no to E, company must accept responsibility or provide segregated SP.
  Acceptance letter date: _____ Or write company with requirement ☐
- G. If no to D or yes to E, are limits "alert only" on PIMS? Yes☐ No☐
- H. Comments: _____

40. IS COMPANY CLASSIFIED AS "Special Handling/Billing"? Yes☐ No☒

If yes:
- A. Why? _____
- B. Are any changes needed to reasons/details? Yes☐ No☐
- C. If yes, explain: _____
- D. Were company records reviewed & verified for special handling/billing reports? NA☐ Yes☐ No☐

41. SAMPLE POINTS

						Auto-sampler ready?	DJ (y/n)
SP #	003	Fed.Reg.		Components:	Kitchen Waste, Boiler blowdown, Cooling tower blowdown, Sanitary,Plant Equipment washdown-Janitorial, Storm water	Yes	No
SP #	007	Fed.Reg.		Components:	Kitchen Waste, Boiler blowdown, Cooling tower blowdown, Sanitary, Process-Cage Wash, Plant Equipment washdown-Janitorial, Storm water	Yes	No
SP #	008	Fed.Reg.		Components:	Kitchen Waste, Boiler blowdown, Cooling tower blowdown, Sanitary,Plant Equipment washdown-Janitorial, Storm water	Yes	No
SP #	011	Fed.Reg.		Components:	Kitchen Waste, Boiler blowdown, Cooling tower blowdown, Sanitary, Lab waste, NCCW, Plant Equipment washdown-Janitorial, Storm water	Yes	No
SP #	012	Fed.Reg.		Components:	Kitchen Waste, Boiler blowdown, Cooling tower blowdown, Sanitary,Plant Equipment washdown-Janitorial, Storm water	Yes	No

42. ARE ANY SAMPLE POINTS TRAPPED VENTS? Yes☐ No☒

If yes:
- A. List SPs: _____
- B. Was co. informed that T-vents are preferred, and told why? Yes☐ No☐

43. ARE DISCHARGES AT ANY SPs SMALL/IRREGULAR ENOUGH TO ALLOW GRAB SAMPLES? Yes☐ No☒

If yes:
- A. List SPs and reasons: _____

44. ARE THERE ANY UNSAMPLED DISCHARGES? (list each lateral separately) Yes☐ No☒

Dummy SP #		Components:	
Dummy SP #		Components:	

If yes:
- A. Was company informed that SPs may be required in the future if the discharges change? Yes☐ No☐
- B. Are all unsampled discharges very low flow and/or innocuous? Yes☐ No☐
- C. If No to B, explain:_____
  (Must also write company and require installation of SP)

45. DO ANY SAMPLE POINTS (including Unsampled/Dummy SPs) RECEIVE STORMWATER? Yes☒ No☐

If yes: A. List Sample Points: SP003, SP007, SP008, SP011, SP012

46. WERE ALL SAMPLE POINTS (except Dummy SPs) OPENED & INSPECTED? No SPs☐ Yes☒ No☐

A. If any SPs cannot be located or opened, explain: _____

B. If any SP descript's need to be changed, explain: _____

C. Is it possible to use an auto-sampler to collect sampler (regardless of volume or batches)? Yes☒ No☐
Update PIMS indicator as needed.

D. Was ANY grease or other problem/debris observed in any SP? Yes☐ No☒

E. If yes to C, list SPs & describe: _____

F. If yes to C, was company directed to take corrective actions? Yes☐ No☐

47. REVIEW THE SAMPLE POINT MAP! Last map revision date: 7/5/12

A. Is the map correct and accurate in all its details? Yes☒ No☐

B If no, what changes are needed: _____

48. DO INSTRUCTIONS FOR "Contact Prior to Sampling" or FIELD VISIT "Special Instructions" NEED REVISION? Yes☐ No☒

If yes: A. List needed changes: _____

USE THIS SPACE FOR ANY OTHER COMMENTS/OBSERVATIONS PERTINENT TO YOUR INSPECTION OF THIS SITE.
I identified a cage wash that is performed for animal studies in the Biology building.

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

INDUSTRIAL USER CLASSIFICATIONS

05/26/1999 TOX

WUNNENBERG INFO.

Base Map 19F4
Wun:St. Louis City & Co.
Grid: H 20 Page 27

SIU CRITERIA

GENERAL INFORMATION

Office Mailing Address
3545 Lindell Boulevard
St Louis, MO. 63103

INSPECTION INFORMATION

Next Due	Insp Rslt	
12/22/2016	RIN	David Kupke

PERMIT INFORMATION

Issue Date:
Expire Date:
Extended Date:
Writer

IUQ INFORMATION

IUQ Recvd Date: 07/03/2003
Reviewer: James Goodall

CONTACTS

FLD1	Renee Knoll	Chemical Hygiene Officer	OFF	(314) 977-6884 Ext.
FLD2	John Wenkel	Facilities Supervisor	OFF	(314) 977-2069 Ext.
FLD3	Barth Breneman	Assistant Director	OFF	(314) 977-2966 Ext.
OFF1	John Wenkel	Facilities Supervisor	OFF	(314) 977-2069 Ext.

OPERATIONAL INFORMATION

Work Days: 7

				S	M	T	W	T	F	S
1	1,680	08:00AM	8.0	Y	Y	Y	Y	Y	Y	Y
2	100	04:00PM	8.0	Y	Y	Y	Y	Y	Y	Y
3	50	12:00AM	8.0	Y	Y	Y	Y	Y	Y	Y

Total Emp: 1,830 **Hrs:** 24.0

NON-SEWERED WASTE

On-Site Storage N **On-Site Disposal** N **Off-Site Disposal** Y

01/09/2013	Equipment Oils and/or	Unknown	GPY
01/09/2013	Acids and/or Alkalies		GPY
01/09/2013	Kitchen/Food Service		GPY
01/09/2013	Infectious Waste		GPY
01/09/2013	Other		GPY
01/09/2013	Pretreatment Sludges		GPY
01/09/2013	Radioactive Waste		GPY
01/09/2013	Solvents/Thinners		GPY

OTHER AGENCIES INFORMATION

06/02/1999	MDNR - Hazardous Waste Program	001467
06/03/1999	EPA - Hazardous Waste Program	MOD981120603
09/28/2005	MSD - Billing Account Number	00246105
09/28/2005	MSD - Billing Account Number	00246051
09/28/2005	MSD - Billing Account Number	00246106
09/28/2005	MSD - Billing Account Number	00246016
09/28/2005	MSD - Billing Account Number	00467801
09/28/2005	MSD - Billing Account Number	00246007
09/28/2005	MSD - Billing Account Number	00246104
09/28/2005	MSD - Billing Account Number	00247096
09/28/2005	MSD - Billing Account Number	00247144
09/28/2005	MSD - Billing Account Number	00247228
09/28/2005	MSD - Billing Account Number	00246103
08/21/2006	MSD - Billing Account Number	00473614
12/17/2015	MSD - Billing Account Number	00251621

COMMENTS

RAW MATERIALS

EFF DATE	MATERIAL_DESCRIPTION	QUANTITY	UNIT

SIC INFORMATION

SIC	DESCRIPTION
8221	Colleges, Universities & Professional Schools

PRODUCTS

EFF DATE	DESCRIPTION	UNIT	AVG_PROD	MAX_PROD
05/07/2004	Educational services			

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METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

SEWER ACCOUNTS

Sewer Accounts
1024309000
1024304600
1024305500
1024313900
1024314000
1024314100
1024314200
1024412600
1024417300
1024425800
1047492700

WATER CONSUMPTION AND WASTEWATER DISCHARGE

Start Date = 01/01/2016 End Date = 12/31/2016 Wdays Cdays

Acct. No.			Consumption					Discharge	
1024304600			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
1024304600	11/10/2015	02/18/2016	260	260	A	101	101	101	
1024304600	02/19/2016	05/17/2016	225	485		89	89	190	
1024304600	05/18/2016	08/08/2016	292	777		83	83	273	
RF	1.00	**Acct. Total**	777	581,236		273	273	2,129	2,129
1024305500			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
1024305500	12/17/2015	03/03/2016	365	365	A	78	78	78	
1024305500	03/04/2016	05/16/2016	4,222	4,587		74	74	152	
1024305500	05/17/2016	08/03/2016	7,860	12,447		79	79	231	
RF	0.95	**Acct. Total**	12,447	9,311,003		231	231	38,292	38,292
1024309000			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
1024309000	11/03/2015	02/01/2016	24,084	24,084	A	91	91	91	
1024309000	02/02/2016	05/06/2016	26,865	50,949		95	95	186	
1024309000	05/07/2016	08/01/2016	35,949	86,898		87	87	273	
RF	0.90	**Acct. Total**	86,898	65,004,223		273	273	214,300	214,300
1024313900			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
1024313900	11/03/2015	02/01/2016	40	40	A	91	91	91	
1024313900	02/02/2016	05/02/2016	30	70		91	91	182	
1024313900	05/03/2016	08/01/2016	220	290		91	91	273	
RF	1.00	**Acct. Total**	290	216,935		273	273	795	795
1024314000			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
1024314000	11/03/2015	02/16/2016	30	30	A	106	106	106	
1024314000	02/17/2016	05/16/2016	56	86		90	90	196	
1024314000	05/17/2016	08/11/2016	269	355		87	87	283	
RF	1.00	**Acct. Total**	355	265,558		283	283	938	938
1024314100			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
1024314100	11/13/2015	02/18/2016	110	110	A	98	98	98	
1024314100	02/19/2016	05/16/2016	82	192		88	88	186	
1024314100	05/17/2016	08/11/2016	207	399		87	87	273	
RF	1.00	**Acct. Total**	399	298,473		273	273	1,093	1,093
1024314200			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
1024314200	11/13/2015	02/01/2016	44	44	A	81	81	81	
1024314200	02/02/2016	05/13/2016	71	115		102	102	183	
1024314200	05/14/2016	08/11/2016	71	186		90	90	273	
RF	1.00	**Acct. Total**	186	139,138		273	273	510	510
1024412600			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
1024412600	11/11/2015	02/11/2016	10	10	A	93	93	93	
1024412600	02/12/2016	06/08/2016	24	34		118	118	211	
1024412600	06/09/2016	08/10/2016	707	741		63	63	274	
RF	0.03	**Acct. Total**	741	554,307		274	274	61	61
1024417300			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
1024417300	11/04/2015	02/23/2016	74	74	A	112	112	112	
1024417300	02/24/2016	06/16/2016	172	246		114	114	226	
1024417300	06/17/2016	08/08/2016	626	872		53	53	279	
RF	1.00	**Acct. Total**	872	652,301		279	279	2,338	2,338
1024425800			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
1024425800	11/03/2015	02/01/2016	80	80	A	91	91	91	
1024425800	02/02/2016	06/16/2016	27	107		136	136	227	
1024425800	06/17/2016	08/08/2016	8	115		53	53	280	
RF	1.00	**Acct. Total**	115	86,026		280	280	307	307
1047492700			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**

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METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

1047492700	11/13/2015	02/18/2016	403	403	A	98	98	98				
1047492700	02/19/2016	06/17/2016	649	1,052		120	120	218				
1047492700	06/18/2016	08/08/2016	1,033	2,085		52	52	270				
RF	0.73	**Acct. Total**	2,085	1,559,688		270	.	270	4,217	4,217		
		Facility Total	105,165									

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
01	Sanitary Or Combined	20F2	275C	Trunk Sewer	34 - Compton

Description E from buildings on E side of Grand to M!

Sewer Route E in 2' x 3' sewer to 96" sewer at Channing

SAMPLE POINT NO. 007 Ordinance **NPDES Outfall No.**

Description MH in sidewalk 90' W of parking garage at Olive Street, 165' S of Lindell Bl

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Kitchen Waste		1,000	GPD		GPD	D	7/1/03
Boiler Blowdown		250	GPD		GPD	D	7/2/03
Plant & Equipment	Janitorial	6,200	GPD		GPD	D	7/2/03
Sanitary		1,900	GPD		GPD	D	7/2/03
Cooling Tower Blo		250	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/0!
	Total Flow Avg =	**9,600**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
03	Sanitary Or Combined	19F2	327C	Trunk Sewer	37 - Western Mill Creek

Description S to 18" MSD sewer

Sewer Route W to 8' sewer, S on Vandevender to Rutge

SAMPLE POINT NO. 003 Ordinance **NPDES Outfall No.**

Description MH by dumpster in alley S of Lindell-48' W, 15' N of NE.corner Bldg 14(DeMattias Hall)

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	7/2/03
Plant & Equipment	Janitorial	6,350	GPD		GPD	D	7/2/03
Sanitary		12,000	GPD		GPD	D	7/2/03
Kitchen Waste		1,600	GPD		GPD	D	7/2/03
Cooling Tower Blo		250	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/0!
	Total Flow Avg =	**20,450**		**Max =**			

SAMPLE POINT NO. 008 Ordinance **NPDES Outfall No.**

Description MH in alley S of Lindell- 36' E, 75' S of SE corner of Humanities Bldg(3800 LIndell)

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	7/2/03
Plant & Equipment	Janitorial	8,300	GPD		GPD	D	7/2/03
Sanitary		23,710	GPD		GPD	D	7/2/03
Kitchen Waste		1,000	GPD		GPD	D	7/2/03
Cooling Tower Blo		250	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/0!
	Total Flow Avg =	**33,510**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
06	Sanitary Or Combined	20F2	230C	Trunk Sewer	37 - Western Mill Creek

Description Multiple lines from bldgs on W side of Gr:

Sewer Route E on Laclede to 96" RCP, S to 7.5' horsesh

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

SAMPLE POINT NO. 011 Ordinance **NPDES Outfall No.**

Description Flow from NW in manhole in walkway on Laclede at SW corner of Billiken Sports Center

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	3/27/07
Non Contact Coolir		3,200	GPD		GPD	D	3/27/07
Plant & Equipment	janitorial	20,650	GPD		GPD	D	3/27/07
Sanitary		78,108	GPD		GPD	D	3/27/07
Laboratory Waste		1,400	GPD		GPD	D	3/27/07
Kitchen Waste		3,200	GPD		GPD	D	3/27/07
Cooling Tower Blo		250	GPD		GPD	D	3/27/07
Storm Water		0	GPD		GPD	D	11/24/0
	Total Flow Avg =	107,058		Max =			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
08	Sanitary Or Combined	19F3	480C	Trunk Sewer	37 - Western Mill Creek

Description Multiple lines from buildings at Spring Av

Sewer Route W to 8' sewer, S on Vandeventer to trunk s

SAMPLE POINT NO. 012 Ordinance **NPDES Outfall No.**

Description Manhole in alley off Laclede, 15' N, 15' E of NE corner of the soccer field at Vandeventer & Laclede

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	3/27/07
Plant & Equipment.	janitorial	6,290	GPD		GPD	D	3/27/07
Sanitary		10,800	GPD		GPD	D	3/27/07
Kitchen Waste		1,250	GPD		GPD	D	3/27/07
Cooling Tower Blo		250	GPD		GPD	D	3/27/07
Storm Water		0	GPD		GPD	D	11/24/0
	Total Flow Avg =	18,840		Max =			

PRETREATMENT TYPES

SP	EFF DATE	TYPE	DESCRIPTION
003	07/07/2003	DC28	Grease Trap
007	01/09/2013	DC28	Grease Trap
008	07/07/2003	DC28	Grease Trap
011	03/27/2007	DC28	Grease Trap
012	03/27/2007	DC28	Grease Trap

PRIORITY POLLUTANTS

Pollutant Description	Status	Pollutant Description	Status	Pollutant Description	Status
Cyanide (Total)	KP	Asbestos (Fibrous)	KP	Silver (Total)	KP
Selenium (Total)	SP	Copper (Total)	KP	Zinc (Total)	KP
Nickel (Total)	KP	Mercury (Total)	KP	Lead (Total)	KP
Chromium (Total)	KP	Arsenic (Total)	KP	Phenol	SP
Dimethyl Phthalate	SP	2,4-Dinitrophenol	SP	Nitrobenzene	KP
Hexachlorobenzene	SP	Toluene	KP	Methylene Chloride	KP
Chlorobenzene	KP	1,3-Dichlorobenzene	SP	Chloroform	KP
Carbon Tetrachloride	KP	Benzene	KP	1,2-Dichloroethane	SP
2,4-Dinitrotoluene	SP	Di-n-butyl Phthalate	SP	2,6-Dinitrotoluene	SP
2-Nitrophenol	SP	Diethyl Phthalate	SP	1,2-Dichloropropane	SP
1,2-Dichlorobenzene	SP	1,1-Dichloroethane	SP	Ethylbenzene	KP
1,4-Dichlorobenzene	SP	1,1-Dichloroethene	SP		

EXTRA STRENGTH SURCHARGE INFORMATION

Report No. PIMS012A 02/03/2017 10:28:36 am
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PIMS FACILITY CONTACTS

For Account Number Selected **1024309000** **ST LOUIS UNIVERSITY**
Located at 3500 Lindell
St Louis MO 63103

Address Type / Contact Type	Contact Name	Contact Title	Email	Signatory	Phone Type	Number	Ext.
Office Mailing Address							
Office Contact - Primary	John Wenkel	Facilities Supervisor	wenkelje@slu.edu	N	OFF	(314)977-2069	
Premise Address							
Field Contact - Primary	Renee Knoll	Chemical Hygiene Officer	knollr@slu.edu	N	OFF	(314)977-6884	
Field Contact 1st Alt	John Wenkel	Facilities Supervisor	wenkelje@slu.edu	N	OFF	(314)977-2069	
Field Contact 2nd Alt	Barth Breneman	Assistant Director	breneman@slu.edu	N	OFF	(314)977-2966	

MSD 039044

PIMS
REPORT OF FIELD SAMPLING REQUIREMENTS
ST LOUIS UNIVERSITY

Account No Entered **1024309000**

SPN	PREMISE ADDRESS	CITY	ST	ZIP
	3500 Lindell	St Louis	MO	63103

003 Project Code: IM = IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2017
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2017
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2017
	T237000	pH	Once/year	Grab	06/30/2017
	T247000	Temperature	Once/year	Grab	06/30/2017
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2017

007 Project Code: IM = IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2017
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2017
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2017
	T237000	pH	Once/year	Grab	06/30/2017
	T247000	Temperature	Once/year	Grab	06/30/2017
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2017

008 Project Code: IM = IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2017
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2017
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2017
	T237000	pH	Once/year	Grab	06/30/2017
	T247000	Temperature	Once/year	Grab	06/30/2017
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2017

011 Project Code: IM = IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2017
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2017
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2017
	T237000	pH	Once/year	Grab	06/30/2017
	T247000	Temperature	Once/year	Grab	06/30/2017
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2017
Volatile Organics	T996000	Volatile Orgs-not incl Acro/Acryl & 2-	Once/year	Grab	06/30/2017

012 Project Code: IM = IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2017
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2017
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2017
	T237000	pH	Once/year	Grab	06/30/2017
	T247000	Temperature	Once/year	Grab	06/30/2017
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2017

SAINT LOUIS UNIVERSITY.

John Wenkel <wenkelje@slu.edu>

1024-3090-00

SLU University-information requested

Renee Knoll <knollr@slu.edu> Wed, Dec 14, 2016 at 12:04 PM
To: John Wenkel <wenkelje@slu.edu>
Cc: Barth Breneman <breneman@slu.edu>

Hi John,

In previous years, the following questions were asked. Hope this is helpful.

Biological Waste (Regulated Medical Waste)
The Biology Department, Biomedical Engineering Department, Chemistry Department and the Simon Rec Center all have an account with Stericyle, Inc. for the collection and disposal of biohazard waste. The biohazard waste goes into the Stericycle provided cardboard biohazard box/bag. Each of these areas averages 1 - 2 pickups of about 2 - 4 boxes per year. This is considered a small amount of biohazard waste that is being generated and disposed of.

Chemical Waste (Hazardous and Non-Hazardous)
OEHS (Office of Environmental Health and Safety) collects chemical waste from Monsanto Hall, Macelwane Hall, Shannon Hall, Ritter Hall, MDH, BME, Xavier, Wuller and Beracha. We also collect paint and other chemicals from Facilities Services as needed. All chemical waste goes to the designated hazardous waste storage area at 3501 Laclede Avenue in Monsanto Hall and we ship from this location almost monthly. We use two licensed chemical waste vendors - Heritage Environmental Services and Aegis Environmental. Most chemicals come from Monsanto, Shannon and Macelwane. Lab staff are not allowed to drain dispose unless it is clearly non-hazardous and non-regulated. Some drains have the neutralization tanks, but we do not intend to use and do not rely on those tanks for treatment or disposal. The Frost Campus is registered as a small quantity generator and we file our Generator's Hazardous Waste Summary Report annually with the Missouri DNR.

Art Department
The Art Department is located in Xavier Hall and Wuller Hall and this waste is accounted for in the paragraph above. Yes, we do have film developing waste in this departmnet. The film developing liquid waste is not pre-treated, we collect the waste in 30 gallon poly drums that are shipped for disposal by Heritage Environmental. This is included in the information listed above about chemical waste.

Radioactive Waste
Radioactive waste is created at the Frost Campus, but it is not drain disposed at the Frost Campus. OEHS (Kevin Ferguson) sends a quarterly report to MSD.

If anything else comes up, please let me know.

Thanks,
Renee
977-6884
314-210-3757
[Quoted text hidden]

RECEIVED
DEC 22 2016
DEPT. OF ENVIRONMENTAL COMPLIANCE

Book Location (Recorder of Deeds Data)	
Daily date:	08/02/1999
Daily number:	339
Book number:	1544
Page number:	1371

Sales History

No records found

Real Estate Tax Summary

remove Acct# 1048/007.00

For Parcel: 39280002450 - 3741 LACLEDE AV

Below is the payment history for each of the most recent years.. If there is a balance on a property you own, and you wish to make a payment online, write down the eleven (11) digit parcel number before proceeding to the Official Payments online tax-payment system.

Payment history for each of the most recent years.

Tax Year	2016	2015	2014
Special Business District Tax	$0.00	$0.00	$0.00
Lateral Sewer Fee	$28.00	$28.00	$28.00
Commercial Surtax	$0.00	$0.00	$0.00
Total Original Tax	$28.00	$28.00	$28.00
Amount Paid	$28.00	$28.00	$28.00
Balance	$0.00	$0.00	$0.00
Date Posted	12/28/2016	12/17/2015	01/02/2015

Disclaimer

The information on this site is updated weekly, and may not show the most current balance. Please note that due to statutory regulations and some time-sensitive cases, not all accounts can be paid using the online payment system. We apologize for this inconvenience. If you have any additional questions or concerns, please contact the Real-Estate department at (314) 622-4106.

Citizens' Service Requests

Data provided by Citizens' Service Bureau (CSB)

4 of 6 records | View all records

Service Request (SR) ID:	Request Initiated:	Dept To Receive SR:	Problem Type:	Dept Response Due By:	Status of Request:	Dept Investigation Completed On:	Dept Resolution:
818110	02/27/2016	STREET PERMITS,	PmtApp_Excavation	04/11/2016	Closed	02/29/2016	
818112	02/27/2016	STREET PERMITS,	PmtApp_Excavation	04/11/2016	Closed	02/29/2016	
817514	02/25/2016	STREET PERMITS,	PmtApp_Excavation	04/07/2016	Closed	02/25/2016	
813543	02/10/2016	STREET PERMITS,	PmtApp_Excavation	03/23/2016	Closed	02/10/2016	
813545	02/10/2016	STREET PERMITS,	PmtApp_Excavation	03/23/2016	Closed	02/10/2016	
813566	02/10/2016	STREET PERMITS,	PmtApp_Excavation	03/23/2016	Closed	02/10/2016	

Request a city service

Building Permits Records

Data provided by Building Permits Section

8 records

Owner Name	Permit Type	Application Date	Completion Date	Issued Date	New Use	Estimated Costs	Description
ST LOUIS UNIVERSITY	Demolition	02/26/2016	04/19/2016	03/16/2016		$18,000.00	WRECK 2 STORY 3 FAMILY BRICK HOUSE
ST LOUIS UNIVERSITY	Demolition	02/26/2016	04/19/2016	03/16/2016		$18,000.00	WRECK 2 STORY 3 FAMILY BRICK HOUSE
ST LOUIS UNIVERSITY	Demolition	02/26/2016	04/19/2016	03/16/2016		$18,500.00	WRECK 2 STORY 3 FAMILY BRICK HOUSE
ST LOUIS UNIVERSITY	Building	03/24/2008	05/14/2008	03/24/2008	SCHOOL	$1,595.00	INSTALL 1 AWNING W/GRAPHICS PER PLANS
ST LOUIS UNIVERSITY	Building	03/24/2008	05/14/2008	03/24/2008	SCHOOL	$1,595.00	INSTALL 1 AWNING W/GRAPHICS PER PLANS
ST LOUIS UNIVERSITY	Building	03/24/2008	05/14/2008	03/24/2008	SCHOOL	$1,595.00	INSTALL 1 AWNING W/GRAPHICS PER PLANS
ST LOUIS UNIVERSITY	Demolition	07/27/2001	08/06/2001	07/27/2001		$4,100.00	WRECK 1 CAR RESIDENTIAL GARAGE
ST LOUIS UNIVERSITY	Demolition	07/27/2001	08/06/2001	07/27/2001		$4,100.00	WRECK 1 CAR RESIDENTIAL GARAGE

MSD 039047

Assessment Information

Current 2016 Assessed Values

ExemptAssessed Values	
Assessed land:	$893,100.00
Assessed improvements:	$2,626,900.00
Assessed total:	$3,520,000.00
Appraised total:	$11,000,000.00 about this code

Sale Information

Sales date:	
Sales price:	
Book Location (Recorder of Deeds Data)	
Daily date:	05/11/2000
Daily number:	176
Book number:	1634
Page number:	2889

Sales History

No records found

Real Estate Tax Summary

remove 10247647.00

For Parcel: 19500000130 - 1-115 N COMPTON AV

Property exempt from Real Estate Tax.

Citizens' Service Requests

Data provided by Citizens' Service Bureau (CSB)

4 of 5 records | View all records

Service Request (SR) ID:	Request Initiated:	Dept To Receive SR:	Problem Type:	Dept Response Due By:	Status of Request:	Dept Investigation Completed On:	Dept Resolution:
913164	11/10/2016	WATER DIV,	MISSING-COVER	11/28/2016	Closed	12/06/2016	no leaks detected
587631	03/26/2014	STRAY RESCUE,	Stray Dog At Large	03/31/2014	Closed	03/27/2014	report submitted to rescue team who will monitor area for dog, report to CSB again if seen again
398385	06/25/2012	RECYCLING,	Rcy Presentation	07/05/2012	Closed	06/27/2012	presentation scheduled
328208	10/21/2011	OP BRIGHTSIDE,	Graffiti-Private	11/10/2011	Closed	11/18/2011	Please call CSB for details
231429	01/20/2011	STREET DIVISION, 514	Snow/Ice - Major St	01/21/2011	Closed	01/26/2011	work completed

Request a city service

Building Permits Records

Data provided by Building Permits Section

9 records

Owner Name	Permit Type	Application Date	Completion Date	Issued Date	New Use	Estimated Costs	Description
ST LOUIS UNIVERSITY	Building	09/21/2016	09/23/2016	09/21/2016	2 TENTS	$4,000.00	ERECT 2 TENTS (9-23 THRU 9-25-2016) SPECIAL EVENT
ST LOUIS UNIVERSITY	Building	09/23/2015	09/25/2015	09/23/2015	TENT	$4,000.00	ERECT 2 TENTS(9-25-15 THRU 9-28-15) SPECIAL EVENT
ST LOUIS UNIVERSITY	Occupancy	03/28/2014		06/12/2014	BATTING CAGES	$0.00	BATTING CAGE FACILITY PMT
ST LOUIS UNIVERSITY	Building	03/27/2014	04/04/2014	04/02/2014	ATHLETIC CENTER	$3,000.00	GENERAL WORK
ST LOUIS UNIVERSITY	Building	11/21/2013	03/27/2014	12/12/2013	BATTING FACILIT	$390,000.00	CONSTRUCT BATTING FACILITY (PER PLANS)
ST LOUIS UNIVERSITY	Building	11/12/2013	03/27/2014	11/25/2013	VACANT LOT	$45,000.00	SITE WORK PER PLANS
ST. LOUIS UNIVERSITY	Occupancy	11/18/1999		11/23/1999	SOFTBALL FIELD	$0.00	SOFTBALL FIELDS/RECREATRION AREA (PMT)
ST. LOUIS UNIVERSITY	Building	05/27/1998	11/15/1999	12/09/1998	SOFT BALL FIELD	$1,000,000.00	CONSTRUCT SOFTBALL FIELD PER PLANS

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

SR

PART I: IDENTIFYING INFORMATION 1024-3090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 10/19/16

RECEIVED
OCT 19 2016
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SP

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 1024-3090-00

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Permit No: -
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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 7/18/16

RECEIVED
JUL 18 2016
DIVISION OF ENVIRONMENTAL COMPLIANCE

R

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 1024-3090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 4/20/16

RECEIVED
APR 20 2016
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 1024-3090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 1/13/16

RECEIVED
JAN 14 2016
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 1024-3090-00

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Permit No: -
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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: RECEIVED Date: 10/12/15

OCT 12 2015

DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 1024-3090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 7/6/15

RECEIVED
JUL 06 2015
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

SR

PART I: IDENTIFYING INFORMATION

1024-3090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
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Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 4/13/15

RECEIVED
APR 13 2015
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL FACILITY INSPECTION REPORT

Company: St. Louis University Account #: 1024309000
Premise Address: 3500 Lindell Zip Code: 63103
MSD Classes: SIU ☐ Non-Significant CIU ☐ CIU ☐ Surcharge ☐ Non-Toxic Process Water/Wastes ☐
Toxics-Bearing Waste ☒ No Process Discharge ☐ Multi-User ☐ Special Handling/Billing ☐
Company Representative: Andrew Reeves
Title: Facilities Supervisor Phone#: 314-977-6884
Inspector: Dave Kupke
Others Present: None
Inspection Date: **4/6/15** Time: From 08:42 AM To 10:04 AM (Last Insp. 01/09/13)

NOTE: ALL ITEMS ARE TO BE COMPLETED BASED ON EVENTS SINCE LAST INSPECTION. ANSWERS ARE BASED ON INFORMATION OBTAINED OR PROVIDED BY COMPANY DURING INSPECTION, AS WELL AS INFORMATION IN FILE.

***** DATABASE ALSO UPDATED WITH APPROPRIATE CHANGES - see attached database reports *****

1. A. ARE THERE ADDITIONAL NON-STORMWATER ACCOUNT NUMBERS? Yes☒ No☐
   List them, note any changes: See enclosed spreadsheet for all St. Louis University account numbers.
   B. Did all acct no's have water usage on PIMS? Yes☒ No☐
   C. If no to B, explain: _____

2. PROCESSES & CLEANUP/WASHDOWN:

	Cont/ Batch?	Water/Liquids Used?	DISCHARGE Frequency (or how else disposed?)	Sample pt.
Science Labs (Monsanto Building)	Batch	Yes	daily	SP011
Kichen waste-food prep	Batch	Yes	daily	SP003, SP007, SP008, SP011, SP012,
Residential living-students on campus	Cont	Yes	daily	SP003, SP007, SP008, SP011, SP012,
	(None)	N/A		
	(None)	N/A		
	(None)	N/A		

3. PRETREATMENT (other than grease traps) - describe:

	Sample pt.
None	N/A

4. DOES COMPANY HAVE ANY GREASE TRAPS? Yes☒ No☐
If yes: A. List sample points: SP003, SP007, SP008, SP011, and SP012
B. What is the frequency for cleaning & maintenance? 1 time mthly
C. Are any additives used in traps? Yes☐ No☒
D. If yes to C, was company warned MSD will bill them for blockages they cause? Yes☒ No☐
E. Was company informed that MSD performs separate grease trap inspections? Yes☒ No☐

5. HAS COMPANY CONSTRUCTED NEW BLDGS/ADDITIONS WITH SEWERS SINCE LAST INSPECTION? Yes☒ No☐
If yes: A. Ask company: Did they notify MSD's Plan Review group? Unknown☐ Yes☒ No☐
B. If no or unknown, has inspector notified Plan Review group? Yes☐ No☐
C. Comments: They are building a residential hall for students to be completed by September 2016..

6. HAS COMPANY BEGUN DISCHARGING ANY NEW POLLUTANTS SINCE THE LAST INSPECTION? Yes☐ No☒

If yes: A. List pollutants & process: _____

B. Will MSD STP exceed existing NPDES discharge limit(s)? Yes☐ No☐

C. Will MSD STP's discharge exceed 0.1 mg/l for any new pollutant? Yes☐ No☐

(MSD must notify MDNR if B or C is yes and discharge will continue [40CFR122.42(b)].)

D. Comments: _____

7. ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS THAT ARE "NOT APPLICABLE"? Yes☐ No☒

(including those that are 'No PSES' and 'General Stds Only')

If yes: A. List regulation & describe operations (including any discharge):

_____

B. Explain why it is N/A: _____

8. ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS SUBJECT TO DISCHARGE LIMITS? Yes☐ No☒

If yes: A. List regulation & describe operations (including any discharge):

_____

B. Is maximum daily categorical discharge ≤ 100 GPD? (includes batch discharges) Yes☐ No☐

If yes to B: C. Batch ☐ or Continuous ☐? Volume verified how? _____

D. Does company ever discharge untreated, concentrated categorical wastewater? Yes☐ No☐

E. Was company in SNC during any part of the previous **24** months? Yes☐ No☐

F. Date of last NSCIU Certification Statement: _____ or not currently NSCIU ☐

(If no to B, yes to D or E, or Cert. Statement not submitted as required, company is not eligible to be an NSCIU)

9. HAS COMPANY CERTIFIED TO THE ABSENCE OF SPECIFIC CATEGORICAL POLLUTANTS? Yes☐ No☒

If yes: A. Certification date: _____

B. List absent pollutants: _____

C. Were all these pollutants non-detect in all monitoring since certification was approved? Yes☐ No☐

(If compared to intake water levels, explain details below)

If no to C: D. Explain: _____

E. Does Wastewater Discharge Permit need to be updated to remove detected pollutants? Yes☐ No☐

F. Comments: _____

10. DOES CATEGORICAL WASTEWATER COMBINE WITH NON-CATEGORICAL WW PRIOR TO SAMPLING? Yes☐ No☒

If yes: A. At which points? _____

B. Current applied factor: _____ Is it correct? Yes☐ No☐

C. If no, list correct factor/explain? _____

11. IS ANY WASTEWATER SUBJECT TO PRODUCTION ☐ OR MASS ☐ BASED STANDARDS? Yes☐ No☒

If yes: A. At which points? _____

B. Since calculation of the current limits, has the long term avg production rate or discharge volume changed by 20% or more? Yes☐ No☐

C. If yes to B, explain: _____

12. ARE ANY RADIOACTIVE MATERIALS HANDLED? Yes☒ No☐

If yes: A. Describe operations & disposal: Radioisotopes for labelling P-32 allowed to decay sufficiently before disposal

B. If non-exempt & disposed to sewer, does company submit quarterly reports to MSD? NA☐ Yes☒ No☐

(If No to B, write company & require quarterly reports of discharge to sewer – or have permit revised as needed)

C. Amount discharged in most recent four complete calendar quarters: 0

D. Is company in compliance with requirements of sewer use ordinance prohibition? Yes☒ No☐

13. DOES COMPANY GENERATE WASTES/WASTEWATER BY GENETIC ENGINEERING RESEARCH? Yes☐ No☒

If yes: A. Does company render wastes/wastewater innocuous? Yes☐ No☐

B. If yes, describe how: _____

C. Does company have MSD authorization for disposal to sewer? NA☐ Yes☐ No☐

D. Most recent authorization date: _____

14. DOES PROCESS or P&E WASHDOWN WATER USE APPEAR EXCESSIVE? Yes☐ No☒
(IS COMPANY USING DILUTION TO MEET DISCHARGE LIMITATIONS?)

A. Explain how use was verified & any needed changes:
There is no excessive water usage at this campus. The campus usages includes Cooling tower, boiler, kitchen waste, residential living, lab waste-glassware washing (Monsanto building), (reuse water for the fountains) and lawn irrigation.

15. BASED ON OBSERVATIONS DURING INSPECTION, DOES COMPANY APPEAR TO HAVE SOME WATER THAT IS NOT DISCHARGED TO SEWER? Yes☒ No☐

If yes: A. Describe: Lawn irrigation, (water fountains), cooling towers, and boiler.

B. Was "Return Factor Program" brochure given to company? Yes☒ No☐
(regardless of whether some water is not discharged to sewer)

16. HAS COMPANY BEEN GRANTED A VARIANCE FROM DISCHARGE LIMITATIONS CONTAINED IN THE SEWER USE ORDINANCE? Yes☐ No☒

If yes: A. Pollutant(s) and variance limit: _____

B. Latest approval date: _____

C. Is the approved variance more than 5 years old? Yes☐ No☐
(If yes to C, a new variance must be requested – write company)

17. HAVE ANY NUMERICAL LIMITATIONS BEEN APPLIED TO COMPANY, IN ADDITION TO THOSE ALREADY CONTAINED IN THE SEWER USE ORDINANCE? Yes☐ No☒

If yes: A. Pollutant(s) and discharge limit: _____

B. Date originally applied: _____, or as part of variance above? ☐

18. HAS COMPANY EXCEEDED ORDINANCE DISCHARGE LIMITS SINCE LAST INSPECTION OR WITHIN THE LAST 12 MONTHS (if last insp <12 months ago)? Yes☐ No☒

If yes: A.

Pollutant	When	Sample Points	Is problem resolved? Y/N	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

B. Comments: _____

19. HAS COMPANY EXCEEDED CATEGORICAL PRETREATMENT LIMITS SINCE THE LAST INSPECTION OR WITHIN LAST 12 MONTHS (if last insp <12 months ago)? NA☒ Yes☐ No☐

If yes: A.

Pollutant	When	Sample Points	Is problem resolved? Y/N	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

B. Comments: _____

20. HAVE THERE BEEN ANY PROBLEM DISCHARGES SINCE LAST INSPECTION? Yes☐ No☒

If yes: A. Upsets? ☐ Bypasses of pretreatment facilities? ☐
Spills? ☐ Slug discharges? ☐ Other? _____

B. Explain any marked: _____

MSD 039058

21. COULD SPILLS OR LEAKS OF ANY PROCESS TANKS, OR STORAGE TANKS, OR STORED WASTES, OR STORED CHEMICALS EASILY REACH SANITARY SEWERS OR STORM DRAINS? Yes☐ No☒

If yes: A. What needs to be done?

If no: B. How are they controlled?
The Monsanto Building has a contained segregated area away from any drains

22. BASED ON OBSERVATIONS DURING INSPECTION, ARE THERE ANY AREAS WHERE COMPANY ACTIVITIES APPEAR TO IMPAIR STORMWATER RUNOFF? Yes☐ No☒

If yes: A. Describe:
B. What needs to be done?
C. Was "Illicit Stormwater Discharges" brochure given to company? Yes☒ No☐
(regardless of whether there are any problem areas)

23. DOES COMPANY HAVE ANY WRITTEN SLUG DISCHARGE CONTROL (INCLUDES SPILLS) PLANS [40CFR403.8(f)(2)(vi)]? Yes☐ No☒

If yes: A.

	Title (actual title, NOT "SPCCP")	Last Update
1.		
2.		

B. Were Plans reviewed for completeness, especially regarding batch discharges/slugs and Q.19/20/21? Yes☐ No☐
(must be done)
C. Are updates needed to existing Plans? (If yes, write company & require) Yes☐ No☒
D. Are any Plans needed (either in addition to those listed in Part A, or if there currently are no written control plans)? (If yes, write company & require) Yes☐ No☒
E. Explain why/why not for C or D: Campus does not have the amount of hazardous chemicals, waste or chemicals that warrants a spill plan (ST. Louis Health Sciences).

24. DOES COMPANY HAVE ANY MAINTENANCE SHOP PARTS WASHERS? Yes☒ No☐

If yes: A. Parts washer solvent name: Naptha Petroluem
B. Priority pollutants (or "none"): BTEX
C. How is spent solvent disposed? hauled offsite
(These solvents are not included in database's priority pollutants list, nor monitored for unless conditions show potential discharges)

25. ARE ANY ORGANICS OR SOLVENTS USED (OTHER THAN IN PARTS WASHERS)? Yes☒ No☐

If yes: A.

Solvent name/ components	Used for?	413/433/469 Process?	How disposed?	Priority Pollutant?
Ethanol, Methanol, Acetone	lab reagents	Yes☐ No☒	hauled offsite	Yes☐ No☒
Chloroform, Methylene Chloride	lab reagents	Yes☐ No☒	hauled offsite	Yes☒ No☐
other smaller volumes are listed on IDS	lab reagents	Yes☐ No☒	hauled offsite	Yes☒ No☐
		Yes☐ No☐		Yes☐ No☐
		Yes☐ No☐		Yes☐ No☐
		Yes☐ No☐		Yes☐ No☐

26. DOES COMPANY HAVE A 413/433/469-REGULATORY "SOLVENT MANAGEMENT PLAN"? Yes☐ No☒
(Applies if co. has 413/433/469 processes, whether or not solvents used)

If yes: A. Is it part of a Spill/Slug Control Plan listed above? Yes[1.☐ 2.☐] No☐
B. If no to A, date of last update for SMP:
C. Is there a copy of the Spill/Slug Plan or SMP in the files? Yes☐ No☐
D. Does SMP address all 413/433/469 solvents? (or verify "none" ☐) Yes☐ No☐
(If no to C or D, write company and require submittal and/or update)

27. ARE EMERGENCY NOTIFICATION PROCEDURES POSTED THAT INCLUDE MSD CONTACTS? Yes☒ No☐
A. Was company provided notification cards & told to post where emergency response personnel can locate them? Yes☒ No☐
(Must post if company generates process wastewater or stores chemicals of concern)

28. IS COMPANY REQUIRED TO SELF-MONITOR ANY OF THEIR DISCHARGES? Yes☐ No☒

If yes:
- A. Is requirement contained in permit ☐ or other document ☐.
- B. If other document, date & description: _____
- C. How frequently is sampling required? _____
- D. How frequently are reports required? _____
- E. Have reports been on-time, complete & signed by proper person? Yes☐ No☐
- F. If no, explain: _____

29. DOES COMPANY SELF-MONITOR ITS WASTEWATER DISCHARGE? Yes☐ No☒

If yes:
- A. Does sample collection time period match co's production shifts? Yes☐ No☐
- B. Are representative grab/comp samples collected? Yes☐ No☐
- C. Are EPA-approved 40 CFR 136 wastewater test methods used? Yes☐ No☐
- D. Does company measure pH and/or temperature itself? Yes☐ No☐

If yes: E. Have the company show equipment and procedure (meters, calibration stds, etc.). Is measurement performed properly? Yes☐ No☐

- F. If no to A,B,C, or E, explain needed changes: _____

30. DOES COMPANY CONTINUOUSLY MONITOR AT SAMPLE POINT AND KEEP A PERMANENT RECORD FOR: pH ☐, TEMP ☐, LEL ☐? Yes☐ No☒

If yes:
- A. At which SPs? _____
- B. Does company submit quarterly summaries? Yes☐ No☐
- C. If no, explain: _____

31. DOES MSD SPLIT SAMPLES WITH THE COMPANY? Yes☐ No☒

If yes:
- A. Is company having the samples analyzed Yes☐ No☐
- B. How does company insure proper preservation, holding times & analytical methods? _____
- C. Has company submitted results of all split sample analyses since the last insp? Yes☐ No☐
- D. Have results been submitted within 28 days of the collection's calendar quarter? Yes☐ No☐
- E. If no to C, or D, explain: _____
- F. Does company still want to split samples? Yes☐ No☐
- G. Comments: _____

32. IS COMPANY REQUIRED TO REGULARLY SUBMIT ANY REPORTS OTHER THAN SELF-MONITORING REPORTS? Yes☒ No☐

If yes:
- A. Is requirement contained in permit ☒ or other document ☐.
- B. If other document, date & description: _____
- C. What is required to be reported? Radioactive discharge Report
- D. How frequently are reports required? quarterly
- E. Have reports been on-time, complete & signed by proper person? Yes☒ No☐
- F. If no, explain: _____

33. IS COMPANY UNDER ANY ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS TO SUBMIT COMPLIANCE SCHEDULE REPORTS? Yes☐ No☒

If yes:
- A. Type and date: _____
- B. Have the reports & actions been on-time & complete? Yes☐ No☐
- C. If no, explain: _____

34. ASK COMPANY: IS COMPANY IN COMPLIANCE W/APPLICABLE NESHAP REGULATIONS FOR WW DISCHARGES? Yes☒ No☐
[To see if 40CFR63 applies to MSD plant, per §§63.1580(b) & 63.1582(a). Some MDNR-issued Title V air permits for specific processes allow pre-approved WW discharge. City/County-issued air permits are not NESHAP permits.]

If no:
- A. Describe: _____
- B. Was MDNR Air Pollution Control informed? (must be done) Yes☐ No☐

35. DOES COMPANY RETAIN ALL WASTEWATER RECORDS FOR AT LEAST 5 YEARS? Yes☒ No☐

If no: A. How long does company retain records? _____

B. Was company told to retain for at least 5 years, per ordinance? Yes☐ No☐

C. Where are they kept? Contact maintains an MSD records file

36. IS COMPANY CLASSIFIED AS A SIGNIFICANT INDUSTRIAL USER (SIU)? Yes☐ No☒

If yes: A. Check & explain applicable criteria:

☐ Process subject to categorical stds under 40 CFR 403.6. Which cat. stds? _____

☐ Process discharge => 25,000 GPD Total process volume: _____

☐ Process discharge => 5% of TP ADW hydraulic capacity TP ADW hydraulic capacity: _____. Percent: _____

☐ Process discharge => 5% of TP ADW organic capacity Which organic pollutant? _____

TP ADW organic capacity: _____. Percent: _____

☐ Reasonable potential for adverse effect on operations Why? _____

☐ Reasonable potential for violating PT std or req't Which ones & why? _____

B. Does company own its bldg (is it listed as the owner in E-CIS)? Yes☐ No☐

If no: C. What is Bldg owner name (use DBA if avail.)? _____
(check E-CIS CAPS Customer Info)

D: What is Bldg owner mailing address? _____
(check E-CIS CAPS Customer Info)

37. DO MSD CLASSIFICATIONS NEED TO BE REVISED? Yes☐ No☒

If yes: A. Indicate correct classifications:

SIU ☐ Non-Significant CIU ☐ CIU ☐ Surcharge ☐ Non-Toxic Process Water/Wastes ☐

Toxics-Bearing Waste ☐ No Process Discharge ☐ Multi-User ☐ Special Handling/Billing ☐

B. Explain changes: _____

38. IS COMPANY CLASSIFIED AS "Multi-User"? Yes☐ No☒

If yes: A. Is company's discharge segregated from other tenants' discharge? Yes☐ No☐

B. If no to A, does the company own the bldg/receive the MSD bills? Yes☐ No☐

C. If yes to B, was company informed it is responsible for total discharge, or else must provide segregated sample points? Yes☐ No☐

D. If no to B, are any Process/P&E Wash-type wastes discharged? Yes☐ No☐

E. If yes to D, are the wastes completely innocuous? Yes☐ No☐
(And explain why/why not: _____)

F. If yes to D, and no to E, company must accept responsibility or provide segregated SP.
Acceptance letter date: _____ Or write company with requirement ☐

G. If no to D or yes to E, are limits "alert only" on PIMS? Yes☐ No☐

H. Comments: _____

39. IS COMPANY CLASSIFIED AS "Special Handling/Billing"? Yes☐ No☒

If yes: A. Why? _____

B. Are any changes needed to reasons/details? Yes☐ No☐

C. If yes, explain: _____

D. Were company records reviewed & verified for special handling/billing reports? NA☐ Yes☐ No☐

40. SAMPLE POINTS

						DJ(y/n)
SP #	003	Fed.Reg.		Components:	Boiler blowdown, Cooling tower blowdown, Kitchen waste, Plant equipment washdown, Sanitary, Storm water	N/A
SP #	007	Fed.Reg.		Components:	Boiler blowdown, Cooling tower blowdown, Kitchen waste, Plant equipment washdown, Sanitary, Storm water	N/A
SP #	008	Fed.Reg.		Components:	Boiler blowdown, Cooling tower blowdown, Kitchen waste, Plant equipment washdown, Sanitary, Storm water	N/A
SP #	011	Fed.Reg.		Components:	Boiler blowdown, Cooling tower blowdown, Kitchen waste, Lab Waste, NCCW, Plant equipment washdown, Sanitary, Storm water	N/A
SP #	012	Fed.Reg.		Components:	Boiler blowdown, Cooling tower blowdown, Kitchen waste, Plant equipment washdown, Sanitary, Storm water	N/A
SP #		Fed.Reg.		Components:		

41. ARE ANY SAMPLE POINTS TRAPPED VENTS? Yes☐ No☒

If yes: A. List SPs: _____

B. Was co. informed that T-vents are preferred, and told why? Yes☐ No☐

42. ARE DISCHARGES AT ANY SPs SMALL/IRREGULAR ENOUGH TO ALLOW GRAB SAMPLES? Yes☐ No☒

If yes: A. List SPs and reasons: _____

43. ARE THERE ANY UNSAMPLED DISCHARGES? (list each lateral separately) Yes☐ No☒

Dummy SP #		Components:	
Dummy SP #		Components:	

If yes: A. Was company informed that SPs may be required in the future if the discharges change? Yes☐ No☐

B. Are all unsampled discharges very low flow and/or innocuous? Yes☐ No☐

C. If No to B, explain:_____

(Must also write company and require installation of SP)

44. DO ANY SAMPLE POINTS (including Unsampled/Dummy SPs) RECEIVE STORMWATER? Yes☒ No☐

If yes: A. List Sample Points: SP003, SP007, SP008, SP011, SP012

45. WERE ALL SAMPLE POINTS (except Dummy SPs) OPENED & INSPECTED? No SPs☐ Yes☒ No☐

A. If any SPs cannot be located or opened, explain: _____

B. If any SP descript's need to be changed, explain: _____

C. Was ANY grease or other problem/debris observed in any SP? Yes☐ No☒

D. If yes to C, list SPs & describe: _____

E. If yes to C, was company directed to take corrective actions? Yes☐ No☐

46. REVIEW THE SAMPLE POINT MAP! Last map revision date: 7/5/12

A. Is the map correct and accurate in all its details? Yes☒ No☐

B If no, what changes are needed: _____

47. DO INSTRUCTIONS FOR "Contact Prior to Sampling" or FIELD VISIT "Special Instructions" NEED REVISION? Yes☐ No☒

If yes: A. List needed changes: _____

USE THIS SPACE FOR ANY OTHER COMMENTS/OBSERVATIONS PERTINENT TO YOUR INSPECTION OF THIS SITE.

I closed PIMS for SP 010, since it was replaced by SP012 on 03/27/07. I also added limits in PIMS for SP012. I have monitoring requirements for SP011 (Monsanto bldg-lab waste) to include volatiles and TTO.

MSD 039062

St. Louis University 3500 Lindell

Sewer Account	Address	CCF	gpd Usage	RF	gpd Discharge
10243090-00	3600 Lindell	141687	291159	0.9	262,043
10243046-00	3521 Lindell	751	1543		1543
10243055-00	230 N Grand	17487	35935	0.95	34138
10243139-00	3840 Lindell	501	1030		1030
10243140-00	3824 Lindell	647	1330		1330
10243141-00	3800 Lindell	441	906		906
10243142-00	3750 Lindell	708	1455		1455
10244126-00	3338 Olive Street	1624	3337	(0.03) ?	3337
10244173-00	3500 Lindell	1274	2618		2618
10244258-00	3500 Lindell	188	386		386
10248645-00	3741 Laclede Ave	21	43		43
10474927-00	3450 Lindell	3965	8148		8148
10481057-00	115 N Compton	2868	0		0
Totals		172162	347890		316,977

10481057-00 was credited for the water readings for the last year.

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

INDUSTRIAL USER CLASSIFICATIONS

05/26/1999 TOX

WUNNENBERG INFO.

Base Map 19F4
Wun: St. Louis City & Co.
Grid: H 20 Page 27

SIU CRITERIA

GENERAL INFORMATION

Office Mailing Address
3500 Lindell
St Louis, MO. 63103

INSPECTION INFORMATION

Next Due
Insp Rslt
04/06/2015 RIN David Kupke

PERMIT INFORMATION

Issue Date:
Expire Date:
Extended Date:
Writer

IUQ INFORMATION

IUQ Recvd Date: 07/03/2003
Reviewer: James Goodall

CONTACTS

FLD1	Renee Knoll	Chemical Hygiene Officer	OFF	(314) 977-6884 Ext.
FLD2	Andrew Reeves	Facilities Supervisor	OFF	(314) 977-2069 Ext.
OFF1	Andrew Reeves	Facilities Supervisor	OFF	(314) 977-2069 Ext.

OPERATIONAL INFORMATION

Work Days: 7

				S	M	T	W	T	F	S
1	1,680	08:00AM	8.0	Y	Y	Y	Y	Y	Y	Y
2	100	04:00PM	8.0	Y	Y	Y	Y	Y	Y	Y
3	50	12:00AM	8.0	Y	Y	Y	Y	Y	Y	Y

Total Emp: 1,830 **Hrs:** 24.0

OTHER AGENCIES INFORMATION

06/02/1999	MDNR - Hazardous Waste Program	001467
06/03/1999	EPA - Hazardous Waste Program	MOD981120603
09/28/2005	MSD - Billing Account Number	00246016
09/28/2005	MSD - Billing Account Number	00246105
09/28/2005	MSD - Billing Account Number	00246051
09/28/2005	MSD - Billing Account Number	00467801
09/28/2005	MSD - Billing Account Number	00246106
09/28/2005	MSD - Billing Account Number	00246007
09/28/2005	MSD - Billing Account Number	00246104
09/28/2005	MSD - Billing Account Number	00247096
09/28/2005	MSD - Billing Account Number	00247144
09/28/2005	MSD - Billing Account Number	00247228
09/28/2005	MSD - Billing Account Number	00246103
08/21/2006	MSD - Billing Account Number	00473614

NON-SEWERED WASTE

On-Site Storage N **On-Site Disposal** N **Off-Site Disposal** Y

01/09/2013	Equipment Oils and/or Grease	Unknown	GPY
01/09/2013	Acids and/or Alkalies		GPY
01/09/2013	Kitchen/Food Service Grease		GPY
01/09/2013	Infectious Waste		GPY
01/09/2013	Other		GPY
01/09/2013	Pretreatment Sludges		GPY
01/09/2013	Radioactive Waste		GPY
01/09/2013	Solvents/Thinners		GPY

COMMENTS

RAW MATERIALS

EFF DATE	MATERIAL_DESCRIPTION	QUANTITY	UNIT

SIC INFORMATION

SIC	DESCRIPTION
8221	Colleges, Universities & Professional Schools

PRODUCTS

EFF DATE	DESCRIPTION	UNIT	AVG_PROD	MAX_PROD
05/07/2004	Educational services			

Report No. PIMS012A 05/04/2015 2:16:34 pm
Data Date & Time: 05/04/2015 2:16:34 pm

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

SEWER ACCOUNTS

Sewer Accounts
1024309000
1024304600
1024305500
1024313900
1024314000
1024314100
1024314200
1024412600
1024417300
1024425800
1024864500
1047492700
1048105700

WATER CONSUMPTION AND WASTEWATER DISCHARGE

Start Date = 01/01/2014 12:00:00AM End Date = 12/31/2015 12:59:59PM

Acct. No.			Consumption CCF's	Consumption Gallons		Wdays	Cdays	Discharge Gal/ Wday	Discharge Gal/ Cday
1024304600									
1024304600	11/09/2013	02/11/2014	168	168	A	95	95	95	
1024304600	02/12/2014	05/19/2014	185	353		97	97	192	
1024304600	05/20/2014	08/11/2014	215	568		84	84	276	
1024304600	08/12/2014	11/18/2014	187	755		99	99	375	
RF 1.00	Acct. Total		755	564,779		375	375	1,506	1,506
1024305500									
1024305500	11/14/2013	02/11/2014	422	422	A	90	90	90	
1024305500	02/12/2014	05/15/2014	2,882	3,304		93	93	183	
1024305500	05/16/2014	08/26/2014	6,477	9,781		103	103	286	
1024305500	08/27/2014	11/20/2014	6,233	16,014		86	86	372	
RF 0.95	Acct. Total		16,014	11,979,305		372	372	30,592	30,592
1024309000									
1024309000	11/15/2013	02/11/2014	37,379	37,379	A	89	89	89	
1024309000	02/12/2014	05/01/2014	30,428	67,807		79	79	168	
1024309000	05/02/2014	08/01/2014	36,215	104,022		92	92	260	
1024309000	08/02/2014	11/06/2014	38,192	142,214		97	97	357	
RF 0.90	Acct. Total		142,214	106,383,467		357	357	268,194	268,194
1024313900									
1024313900	11/02/2013	02/04/2014	110	110	A	95	95	95	
1024313900	02/05/2014	05/01/2014	30	140		86	86	181	
1024313900	05/02/2014	08/01/2014	210	350		92	92	273	
1024313900	08/02/2014	11/03/2014	170	520		94	94	367	
RF 1.00	Acct. Total		520	388,987		367	367	1,060	1,060
1024314000									
1024314000	11/15/2013	02/04/2014	30	30	A	82	82	82	
1024314000	02/05/2014	05/01/2014	30	60		86	86	168	
1024314000	05/02/2014	08/01/2014	280	340		92	92	260	
1024314000	08/02/2014	11/20/2014	290	630		111	111	371	
RF 1.00	Acct. Total		630	471,273		371	371	1,270	1,270
1024314100									
1024314100	11/21/2013	02/11/2014	81	81	A	83	83	83	
1024314100	02/12/2014	05/28/2014	138	219		106	106	189	
1024314100	05/29/2014	08/20/2014	55	274		84	84	273	
1024314100	08/21/2014	11/20/2014	149	423		92	92	365	
RF 1.00	Acct. Total		423	316,426		365	365	867	867
1024314200									
1024314200	11/02/2013	02/04/2014	60	60	A	95	95	95	
1024314200	02/05/2014	05/01/2014	90	150		86	86	181	
1024314200	05/02/2014	08/20/2014	457	607		111	111	292	
1024314200	08/21/2014	11/03/2014	124	731		75	75	367	
RF 1.00	Acct. Total		731	546,826		367	367	1,490	1,490
1024412600									
1024412600	11/15/2013	03/03/2014	50	50	A	109	109	109	
1024412600	03/04/2014	05/20/2014	13	63		78	78	187	
1024412600	05/21/2014	08/26/2014	600	663		98	98	285	
1024412600	08/27/2014	11/18/2014	472	1,135		84	84	369	
RF 0.03	Acct. Total		1,135	849,039		369	369	69	69
1024417300									
1024417300	11/02/2013	02/04/2014	50	50	A	95	95	95	

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

1024417300	02/05/2014	05/19/2014	87	137	A	104	104	199		
1024417300	05/20/2014	08/01/2014	533	670		74	74	273		
1024417300	08/02/2014	11/18/2014	461	1,131		109	109	382		
RF	1.00	**Acct. Total**	1,131	846,047		382	382	2,215	2,215	
1024425800			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**	
1024425800	11/02/2013	02/04/2014	10	10	A	95	95	95		
1024425800	02/05/2014	05/19/2014	34	44		104	104	199		
1024425800	05/20/2014	08/11/2014	24	68		84	84	283		
1024425800	08/12/2014	11/03/2014	72	140		84	84	367		
RF	1.00	**Acct. Total**	140	104,727		367	367	285	285	
1047492700			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**	
1047492700	11/14/2013	03/03/2014	-685	-685	A	110	110	110		
1047492700	03/04/2014	05/19/2014	588	-97		77	77	187		
1047492700	05/20/2014	08/01/2014	1,562	1,465		74	74	261		
1047492700	08/02/2014	11/18/2014	1,474	2,939		109	109	370		
RF	0.73	**Acct. Total**	2,939	2,198,525		370	370	4,338	4,338	
1048105700			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**	
1048105700	11/14/2013	02/20/2014	6,983	6,983	A	99	99	99		
1048105700	02/21/2014	05/20/2014	2,577	9,560		89	89	188		
1048105700	05/21/2014	08/01/2014	5,050	14,610		73	73	261		
1048105700	08/02/2014	11/14/2014	3,970	18,580		105	105	366		
RF	1.00	**Acct. Total**	18,580	13,898,806		366	366	37,975	37,975	
		Facility Total	185,212							

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH	Treatment Area	Bissell Point
01	Sanitary Or Combined	20F2 275C	Trunk Sewer	34 - Compton

Description E from buildings on E side of Grand to MSD connection on Channing Av

Sewer Route E in 2' x 3' sewer to 96" sewer at Channing Av, S to 7.5' Horseshoe trunk, N to TP

SAMPLE POINT NO. 007 Ordinance **NPDES Outfall No.**

Description MH in sidewalk 90' W of parking garage at Olive Street, 165' S of Lindell Bl

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Kitchen Waste		1,000	GPD		GPD	D	7/1/03
Boiler Blowdown		250	GPD		GPD	D	7/2/03
Plant & Equipment Washdown/Janitorial		6,200	GPD		GPD	D	7/2/03
Sanitary		1,900	GPD		GPD	D	7/2/03
Cooling Tower Blowdown		250	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**9,600**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH	Treatment Area	Bissell Point
03	Sanitary Or Combined	19F2 327C	Trunk Sewer	37 - Western Mill Creek

Description S to 18" MSD sewer

Sewer Route W to 8' sewer, S on Vandevender to Rutger sewer trunk, N to TP

SAMPLE POINT NO. 003 Ordinance **NPDES Outfall No.**

Description MH by dumpster in alley S of Lindell-48' W, 15' N of NE corner Bldg 14(DeMattias Hall)

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	7/2/03
Plant & Equipment Washdown/Janitorial		6,350	GPD		GPD	D	7/2/03
Sanitary		12,000	GPD		GPD	D	7/2/03
Kitchen Waste		1,600	GPD		GPD	D	7/2/03
Cooling Tower Blowdown		250	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**20,450**		**Max =**			

SAMPLE POINT NO. 008 Ordinance **NPDES Outfall No.**

Description MH in alley S of Lindell- 36' E, 75' S of SE corner of Humanities Bldg(3800 LIndell)

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	7/2/03
Plant & Equipment Washdown/Janitorial		8,300	GPD		GPD	D	7/2/03
Sanitary		23,710	GPD		GPD	D	7/2/03
Kitchen Waste		1,000	GPD		GPD	D	7/2/03
Cooling Tower Blowdown		250	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**33,510**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH	Treatment Area	Bissell Point
06	Sanitary Or Combined	20F2 230C	Trunk Sewer	37 - Western Mill Creek

Description Multiple lines from bldgs on W side of Grand to Laclede

Sewer Route E on Laclede to 96" RCP, S to 7.5' horseshoe trunk, N to treatment plant

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

SAMPLE POINT NO. 011 Ordinance **NPDES Outfall No.**

Description Flow from NW in manhole in walkway on Laclede at SW corner of Billiken Sports Center

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	3/27/07
Non Contact Cooling Water		3,200	GPD		GPD	D	3/27/07
Plant & Equipment Washjdoitwrial		20,650	GPD		GPD	D	3/27/07
Sanitary		78,108	GPD		GPD	D	3/27/07
Laboratory Waste		1,400	GPD		GPD	D	3/27/07
Kitchen Waste		3,200	GPD		GPD	D	3/27/07
Cooling Tower Blowdown		250	GPD		GPD	D	3/27/07
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**107,058**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
08	Sanitary Or Combined	19F3	480C	Trunk Sewer	37 - Western Mill Creek

Description Multiple lines from buildings at Spring Av and alley N of Laclede Av

Sewer Route W to 8' sewer, S on Vandeventer to trunk sewer at Rutger, N to treatment plant

SAMPLE POINT NO. 012 Ordinance **NPDES Outfall No.**

Description Manhole in alley off Laclede, 15' N, 15' E of NE corner of the soccer field at Vandeventer & Laclede

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	3/27/07
Plant & Equipment Washjdoitwrial		6,290	GPD		GPD	D	3/27/07
Sanitary		10,800	GPD		GPD	D	3/27/07
Kitchen Waste		1,250	GPD		GPD	D	3/27/07
Cooling Tower Blowdown		250	GPD		GPD	D	3/27/07
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**18,840**		**Max =**			

PRETREATMENT TYPES

SP	EFF DATE	TYPE	DESCRIPTION
003	07/07/2003	DC28	Grease Trap
007	01/09/2013	DC28	Grease Trap
008	07/07/2003	DC28	Grease Trap
011	03/27/2007	DC28	Grease Trap
012	03/27/2007	DC28	Grease Trap

PRIORITY POLLUTANTS

Pollutant Description	Status	Pollutant Description	Status	Pollutant Description	Status
Cyanide (Total)	KP	Asbestos (Fibrous)	KP	Silver (Total)	KP
Selenium (Total)	SP	Copper (Total)	KP	Zinc (Total)	KP
Nickel (Total)	KP	Mercury (Total)	KP	Lead (Total)	KP
Chromium (Total)	KP	Arsenic (Total)	KP	Phenol	SP
Dimethyl Phthalate	SP	2,4-Dinitrophenol	SP	Nitrobenzene	KP
Hexachlorobenzene	SP	Toluene	KP	Methylene Chloride	KP
Chlorobenzene	KP	1,3-Dichlorobenzene	SP	Chloroform	KP
Carbon Tetrachloride	KP	Benzene	KP	1,2-Dichloroethane	SP
2,4-Dinitrotoluene	SP	Di-n-butyl Phthalate	SP	2,6-Dinitrotoluene	SP
2-Nitrophenol	SP	Diethyl Phthalate	SP	1,2-Dichloropropane	SP
1,2-Dichlorobenzene	SP	1,1-Dichloroethane	SP	Ethylbenzene	KP
1,4-Dichlorobenzene	SP	1,1-Dichloroethene	SP		

EXTRA STRENGTH SURCHARGE INFORMATION

Report No. PIMS012A 05/04/2015 2:16:34 pm
Data Date & Time: 05/04/2015 2:16:34 pm

PIMS FACILITY CONTACTS

For Account Number Selected **1024309000** **ST LOUIS UNIVERSITY**
Located at 3500 Lindell
St Louis MO 63103

Address Type Contact Type	Contact Name	Contact Title	Email	Signatory	Phone Type	Number	Ext.
Office Mailing Address							
Office Contact - Primary	Andrew Reeves	Facilities Supervisor		N	OFF	(314)977-2069	
Premise Address							
Field Contact - Primary	Renee Knoll	Chemical Hygiene Officer		N	OFF	(314)977-6884	
Field Contact 1st Alt	Andrew Reeves	Facilities Supervisor	areeves8@slu.edu	N	OFF	(314)977-2069	

MSD 039069

PIMS
REPORT OF FIELD SAMPLING REQUIREMENTS
ST LOUIS UNIVERSITY

Account No Entered **1024309000**

SPN	PREMISE ADDRESS	CITY	ST	ZIP
	3500 Lindell	St Louis	MO	63103

003 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2015
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2015
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2015
	T237000	pH	Once/year	Grab	06/30/2015
	T247000	Temperature	Once/year	Grab	06/30/2015
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2015

007 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2015
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2015
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2015
	T237000	pH	Once/year	Grab	06/30/2015
	T247000	Temperature	Once/year	Grab	06/30/2015
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2015

008 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2015
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2015
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2015
	T237000	pH	Once/year	Grab	06/30/2015
	T247000	Temperature	Once/year	Grab	06/30/2015
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2015

011 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2015
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2015
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2015
	T237000	pH	Once/year	Grab	06/30/2015
	T247000	Temperature	Once/year	Grab	06/30/2015
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2015
Volatile Organics	T996000	Volatile Orgs-not incl Acro/Acryl & 2-chloroethyl	Once/year	Grab	06/30/2015
Ordinance / 413/433	T999000	Total Toxic Organics	Once/year	Grab	06/30/2015

012 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2015
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2015
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2015
	T237000	pH	Once/year	Grab	06/30/2015
	T247000	Temperature	Once/year	Grab	06/30/2015
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2015

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 1024309000

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: Date: 1/12/15

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JAN 13 2015
DIVISION OF
ENVIRONMENTAL COMPLIANCE

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METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 10243090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Associate Radiation Safety Officer Telephone: 977-6896

Signature: [signature] Date: 10/14/14

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METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 1024-3090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: [signature] Date: 7/16/14

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JUL 16 2014
DIVISION OF
ENVIRONMENTAL COMPLIANCE

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METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 1024-3090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103** / 3500 LINDELL
Reporting Period: ■(JAN-MAR) □(APR-JUNE) □(JULY-SEPT) □(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 4/16/14

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 1024-3090-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 1/14/14

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METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103** 1024-3090-00
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KA I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 10/11/13

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METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION 1024-3090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 7/23/13

RECEIVED
JUL 23 2013
DEPT. OF ENVIRONMENTAL COMPLIANCE

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

1024-3090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 4/16/13

RECEIVED
APR 16 2013
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

1024-3090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 1/25/13

RECEIVED
JAN 25 2013
DIVISION OF
ENVIRONMENTAL COMPLIANCE

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL FACILITY INSPECTION REPORT

Company: St. Louis University — Account #: 1024309000
Premise Address: 3500 Lindell — Zip Code: 63103
MSD Classes: SIU ☐ Non-Significant CIU ☐ CIU ☐ Surcharge ☐ Non-Toxic Process Water/Wastes ☐
Toxics-Bearing Waste ☒ No Process Discharge ☐ Multi-User ☐ Special Handling/Billing ☐
Company Representative: Andy Reeves
Title: Facilities Supervisor — Phone#: 314.977.2069
Inspector: Tom Boehm
Others Present: Renee Knoll - Industrial Hygienist w/ SLU
Inspection Date: 1/9/13 Time: From 08:30 am` To 11:30 am (Last Insp. 11/24/09)

NOTE: ALL ITEMS ARE TO BE COMPLETED BASED ON EVENTS SINCE LAST INSPECTION. ANSWERS ARE BASED ON INFORMATION OBTAINED OR PROVIDED BY COMPANY DURING INSPECTION, AS WELL AS INFORMATION IN FILE.

***** DATABASE ALSO UPDATED WITH APPROPRIATE CHANGES - see attached database reports *****

1. A. ARE THERE ADDITIONAL NON-STORMWATER ACCOUNT NUMBERS? Yes☒ No☐
List them, note any changes: 5112119505 changed to 1024304600; 5112129001 changed to 1024305500; 5112142606 changed to 1024313900; 5112142702 changed to 1024314000; 5112142903 changed to 1024314100; 5112143002 changed to 1024314200; 5112378203 changed to 1024412600; 511237901 changed to 1024417300; 5112409900 changed to 1024425800; 9011636101 changed to 1047492700; 9012272501 changed to 10481057;00

B. Did all acct no's have water usage on PIMS? Yes☐ No☒

C. If no to B, explain: Once DRVR fields are completed in ECIS for 1024304600, 1024305500, 1024313900, 1024314000, 1024314100, 1024314200, 1024412600, 1024417300, 1024425800, 1047492700, and 1048105700, it should share information with PIMS;

2. PROCESSES & CLEANUP/WASHDOWN:

	Cont/ Batch?	Water/Liquids Used?	Frequency of DISCHARGE	Sample pt.
University with resident students	Cont	Yes	Daily while in session	003,007,008, No SP 010, 011,012> combo sewer
Science labs in Monsanto Building	Batch	Yes	Daily while in session	011> combo sewer
Food preparation at multiple locations throughout campus	Batch	Yes	Daily while in session	003,007,008, No SP 010, 011,012> combo sewer
	(None)	N/A		
	(None)	N/A		
	(None)	N/A		

3. PRETREATMENT (other than grease traps) - describe:

	Sample pt.
None	

MSD 039080

4. DOES COMPANY HAVE ANY GREASE TRAPS? Yes☒ No☐

If yes:
- A. List sample points: 003,007,008,No SP 010, 011,012
- B. What is the frequency for cleaning & maintenance? 2 weeks
- C. Are any additives used in traps? Yes☒ No☐
- D. If yes to C, was company warned MSD will bill them for blockages they cause? Yes☒ No☐
- E. Was company informed that MSD performs separate grease trap inspections? Yes☒ No☐

5. HAS COMPANY CONSTRUCTED NEW BLDGS/ADDITIONS WITH SEWERS SINCE LAST INSPECTION? Yes☐ No☒

If yes:
- A. Ask company: Did they notify MSD's Plan Review group? Unknown☐ Yes☐ No☐
- B. If no or unknown, has inspector notified Plan Review group? Yes☐ No☐
- C. Comments: _____

6. HAS COMPANY BEGUN DISCHARGING ANY NEW POLLUTANTS SINCE THE LAST INSPECTION? Yes☐ No☒

If yes:
- A. List pollutants & process: _____
- B. Will MSD STP exceed existing NPDES discharge limit(s)? Yes☐ No☐
- C. Will MSD STP's discharge exceed 0.1 mg/l for any new pollutant? Yes☐ No☐
  (MSD must notify MDNR if B or C is yes and discharge will continue.)
- D. Comments: _____

7. ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS? Yes☐ No☒

If yes:
- A. List regulation & describe (including any discharge):
  _____
- B. Is maximum daily categorical discharge ≤ 100 GPD? (includes batch discharges) Yes☐ No☐

If yes to B:
- C. Batch ☐ or Continuous ☐? Volume verified how? _____
- D. Does company ever discharge untreated, concentrated categorical wastewater? Yes☐ No☐
- E. Was company in SNC during any part of the previous **24** months? Yes☐ No☐
- F. Date of last NSCIU Certification Statement: _____ or not currently NSCIU ☐
  (If no to B, yes to D or E, or Cert. Statement not submitted as required, company is not eligible to be an NSCIU)

8. HAS COMPANY CERTIFIED TO THE ABSENCE OF SPECIFIC CATEGORICAL POLLUTANTS? Yes☐ No☒

If yes:
- A. Certification date: _____
- B. List absent pollutants: _____
- C. Were all these pollutants non-detect in all monitoring since certification was approved? Yes☐ No☐
  (If compared to intake water levels, explain details below)

If no to C:
- D. Explain: _____
- E. Comments: _____

9. DOES CATEGORICAL WASTEWATER COMBINE WITH NON-CATEGORICAL WW PRIOR TO SAMPLING? Yes☐ No☒

If yes:
- A. At which points? _____
- B. Current applied factor: _____ Is it correct? Yes☐ No☐
- C. If no, list correct factor/explain? _____

10. IS ANY WASTEWATER SUBJECT TO PRODUCTION ☐ OR MASS ☐ BASED STANDARDS? Yes☐ No☒

If yes:
- A. At which points? _____
- B. Since calculation of the current limits, has the long term avg production rate or discharge volume changed by 20% or more? Yes☐ No☐
- C. If yes to B, explain: _____

11. ARE ANY RADIOACTIVE MATERIALS HANDLED? Yes☒ No☐

If yes:
- A. Describe operations & disposal: Laboratory use; decayed on site and hauled off;
- B. Does company have MSD authorization for disposal to sewer? NA☐ Yes☒ No☐
- C. Most recent authorization date: 4/2/99
- D. Amount discharged in most recent complete calendar year: 0 mCi

12. DOES COMPANY GENERATE WASTES/WASTEWATER BY GENETIC ENGINEERING RESEARCH? Yes☐ No☒

If yes: A. Does company render wastes/wastewater innocuous? Yes☐ No☐

B. If yes, describe how: They teach genetics, but do no engineering;

C. Does company have MSD authorization for disposal to sewer? NA☐ Yes☐ No☐

D. Most recent authorization date: _____

13. DOES PROCESS or P&E WASHDOWN WATER USE APPEAR EXCESSIVE? Yes☐ No☒
(IS COMPANY USING DILUTION TO MEET DISCHARGE LIMITATIONS?)

A. Explain how use was verified & any needed changes:
While they use quite a bit of water throughout the campus, it does not seem as if they use excess water;

14. BASED ON OBSERVATIONS DURING INSPECTION, DOES COMPANY APPEAR TO HAVE SOME WATER THAT IS NOT DISCHARGED TO SEWER? Yes☒ No☐

If yes: A. Describe: Lawn watering, cooling towers

B. Was "Return Factor Program" brochure given to company? Yes☒ No☐
(regardless of whether some water is not discharged to sewer)

15. HAS COMPANY BEEN GRANTED A VARIANCE FROM DISCHARGE LIMITATIONS CONTAINED IN THE SEWER USE ORDINANCE? Yes☐ No☒

If yes: A. Pollutant(s) and variance limit: _____

B. Latest approval date: _____

C. Is the approved variance more than 5 years old? Yes☐ No☐
(If yes to C, a new variance must be requested – write company)

16. HAVE ANY NUMERICAL LIMITATIONS BEEN APPLIED TO COMPANY, IN ADDITION TO THOSE ALREADY CONTAINED IN THE SEWER USE ORDINANCE? Yes☐ No☒

If yes: A. Pollutant(s) and discharge limit: _____

B. Date originally applied: _____, or as part of variance above? ☐

17. HAS COMPANY EXCEEDED ORDINANCE DISCHARGE LIMITS SINCE LAST INSPECTION OR WITHIN THE LAST 12 MONTHS (if last insp <12 months ago)? Yes☐ No☒

If yes: A.

Pollutant	When	Sample Points	Is problem resolved? Y/N	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

B. Comments: _____

18. HAS COMPANY EXCEEDED CATEGORICAL PRETREATMENT LIMITS SINCE THE LAST INSPECTION OR WITHIN LAST 12 MONTHS (if last insp <12 months ago)? NA☒ Yes☐ No☐

If yes: A.

Pollutant	When	Sample Points	Is problem resolved? Y/N	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

B. Comments: _____

19. HAVE THERE BEEN ANY PROBLEM DISCHARGES SINCE LAST INSPECTION? Yes☐ No☒

If yes: A. Upsets? ☐ Bypasses of pretreatment facilities? ☐
Spills? ☐ Slug discharges? ☐ Other? _____

B. Explain any marked: _____

20. COULD SPILLS OR LEAKS OF ANY PROCESS TANKS, OR STORAGE TANKS, OR STORED WASTES, OR STORED CHEMICALS EASILY REACH SANITARY SEWERS OR STORM DRAINS? Yes☐ No☒

If yes: A. What needs to be done?

_____

If no: B. How are they controlled?
Lab chemistry is stored in dedicated room under outdoor stairs next to science building; no drains; Waste chemistry is bulked or lab packed in dedicated room in basement of science building;

21. BASED ON OBSERVATIONS DURING INSPECTION, ARE THERE ANY AREAS WHERE COMPANY ACTIVITIES APPEAR TO IMPAIR STORMWATER RUNOFF? Yes☐ No☒

If yes: A. Describe: _____
B. What needs to be done? _____
C. Was "Illicit Stormwater Discharges" brochure given to company? Yes☒ No☐
(regardless of whether there are any problem areas)

22. DOES COMPANY HAVE ANY WRITTEN SLUG DISCHARGE CONTROL (INCLUDES SPILLS) PLANS? Yes☐ No☒

If yes: A.

	Title (actual title, NOT "SPCCP")	Last Update
1.		
2.		

B. Were Plans reviewed for completeness, especially regarding batch discharges/slugs and Q.17 & 18? (must be done) Yes☐ No☐
C. Are updates needed to existing Plans? (If yes, write company & require) Yes☐ No☐
D. Are any Plans needed (in addition to those listed in Part A)? (If yes, write company & require) Yes☐ No☒
E. Explain why/why not for C or D: _____

23. DOES COMPANY HAVE ANY MAINTENANCE SHOP PARTS WASHERS? Yes☒ No☐

If yes: A. Parts washer solvent name: Petroleum naphtha
B. Priority pollutants (or "none"): None
C. How is spent solvent disposed? Hauled
(These solvents are not included in database's priority pollutants list, nor monitored for unless conditions show potential discharges)

24. ARE ANY ORGANICS OR SOLVENTS USED (OTHER THAN IN PARTS WASHERS)? Yes☒ No☐

If yes: A.

Solvent name/ components	Used for?	413/433/469 Process?	How disposed?	Priority Pollutant?
Lab chemistry: ethanol, methanol, acetone	Lab work	Yes☐ No☒	Hauled	Yes☐ No☒
Lab chemistry: Larger volumes: choroform, methylene chloride; Smaller volumes (1-4 liters) carbon tetrachloride, nitrobenzene, cholorbenzene	Lab work	Yes☐ No☒	Hauled	Yes☒ No☐
Maintenance: mineral spirits (BTEX)	General maintenance usage	Yes☐ No☒	Evaporated or hauled	Yes☐ No☒
		Yes☐ No☐		Yes☐ No☐
		Yes☐ No☐		Yes☐ No☐
		Yes☐ No☐		Yes☐ No☐

25. DOES COMPANY HAVE A 413/433/469-REGULATORY "SOLVENT MANAGEMENT PLAN"? Yes☐ No☒
(Applies if co. has 413/433/469 processes, whether or not solvents used)

If yes: A. Is it part of a Spill/Slug Control Plan listed above? Yes[1.☐ 2.☐] No☐
B. If no to A, date of last update for SMP: _____
C. Is there a copy of the Spill/Slug Plan or SMP in the files? Yes☐ No☐
D. Does SMP address all 413/433/469 solvents? (or verify "none" ☐) Yes☐ No☐
(If no to C or D, write company and require submittal and/or update)

MSD 039083

26. ARE EMERGENCY NOTIFICATION PROCEDURES POSTED THAT INCLUDE MSD CONTACTS? Yes☐ No☒

A. Was company provided notification cards & told to post where emergency response personnel can locate them? Yes☒ No☐
(Must post if company generates process wastewater or stores chemicals of concern)

27. IS COMPANY REQUIRED TO SELF-MONITOR ANY OF THEIR DISCHARGES? Yes☐ No☒

If yes:
A. Is requirement contained in permit ☐ or other document ☐.
B. If other document, date & description: _____
C. How frequently is sampling required? _____
D. How frequently are reports required? _____
E. Have reports been on-time, complete & signed by proper person? Yes☐ No☐
F. If no, explain: _____

28. DOES COMPANY SELF-MONITOR ITS WASTEWATER DISCHARGE? Yes☐ No☒

If yes:
A. Does sample collection time period match co's production shifts? Yes☐ No☐
B. Are representative grab/comp samples collected? Yes☐ No☐
C. Are EPA-approved 40 CFR 136 wastewater test methods used? Yes☐ No☐
D. Does company measure pH and/or temperature itself? Yes☐ No☐
If yes: E. Have the company show equipment and procedure (meters, calibration stds, etc.). Is measurement performed properly? Yes☐ No☐
F. If no to A,B,C, or E, _____ explain needed changes:

29. DOES COMPANY CONTINUOUSLY MONITOR AT SAMPLE POINT AND KEEP A PERMANENT RECORD FOR: pH ☐, TEMP ☐, LEL ☐? Yes☐ No☒

If yes:
A. At which SPs? _____
B. Does company submit quarterly summaries? Yes☐ No☐
C. If no, explain: _____

30. DOES MSD SPLIT SAMPLES WITH THE COMPANY? Yes☐ No☒

If yes:
A. Is company having the samples analyzed Yes☐ No☐
B. How does company insure proper preservation, holding times & analytical methods? _____
C. Has company submitted results of all split sample analyses since the last insp? Yes☐ No☐
D. Have results been submitted within 28 days of the collection's calendar quarter? Yes☐ No☐
E. If no to C, or D, explain: _____
F. Does company still want to split samples? Yes☐ No☐
G. Comments: _____

31. IS COMPANY REQUIRED TO REGULARLY SUBMIT ANY REPORTS OTHER THAN SELF-MONITORING REPORTS? Yes☐ No☒

If yes:
A. Is requirement contained in permit ☐ or other document ☐.
B. If other document, date & description: _____
C. What is required to be reported? _____
D. How frequently are reports required? _____
E. Have reports been on-time, complete & signed by proper person? Yes☐ No☐
F. If no, explain: _____

32. IS COMPANY UNDER ANY ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS TO SUBMIT COMPLIANCE SCHEDULE REPORTS? Yes☐ No☒

If yes:
A. Type and date: _____
B. Have the reports & actions been on-time & complete? Yes☐ No☐
C. If no, explain: _____

33. ASK COMPANY: IS COMPANY IN COMPLIANCE W/APPLICABLE NESHAP REGULATIONS FOR WW DISCHARGES? Yes☒ No☐
[Some MDNR-issued Title V air permits for specific processes allow pre-approved WW discharge.]
[City/County-issued air permits are not NESHAP permits.]

If no: A. Describe: _____
B. Was MDNR Air Pollution Control informed? (must be done) Yes☐ No☐

34. DOES COMPANY RETAIN ALL WASTEWATER RECORDS FOR AT LEAST 5 YEARS? Yes☒ No☐

If no: A. How long does company retain records? _____
B. Was company told to retain for at least 5 years, per ordinance? Yes☐ No☐
C. Where are they kept? In general EHS office files;

35. IS COMPANY CLASSIFIED AS A SIGNIFICANT INDUSTRIAL USER (SIU)? Yes☐ No☒

If yes: A. Check & explain applicable criteria:
☐ Process subject to categorical stds under 40 CFR 403.6. Which cat. stds? _____
☐ Process discharge => 25,000 GPD Total process volume: _____
☐ Process discharge => 5% of TP ADW hydraulic capacity TP ADW hydraulic capacity: _____. Percent: _____
☐ Process discharge => 5% of TP ADW organic capacity Which organic pollutant? _____
TP ADW organic capacity: _____. Percent: _____
☐ Reasonable potential for adverse effect on operations Why? _____
☐ Reasonable potential for violating PT std or req't Which ones & why? _____

36. DO MSD CLASSIFICATIONS NEED TO BE REVISED? Yes☐ No☒

If yes: A. Indicate correct classifications:
SIU ☐ Non-Significant CIU ☐ CIU ☐ Surcharge ☐ Non-Toxic Process Water/Wastes ☐
Toxics-Bearing Waste ☐ No Process Discharge ☐ Multi-User ☐ Special Handling/Billing ☐
B. Explain changes: _____

37. IS COMPANY CLASSIFIED AS "Multi-User"? Yes☐ No☒

If yes: A. Is company's discharge segregated from other tenants' discharge? Yes☐ No☐
B. If no to A, does the company own the bldg/receive the MSD bills? Yes☐ No☐
C. If yes to B, was company informed it is responsible for total discharge, or else must provide segregated sample points? Yes☐ No☐
D. If no to B, are any Process/P&E Wash-type wastes discharged? Yes☐ No☐
E. If yes to D, are the wastes completely innocuous? Yes☐ No☐
(And explain why/why not: _____)
F. If yes to D, and no to E, company must accept responsibility or provide segregated SP.
Acceptance letter date: _____ Or write company with requirement ☐
G. If no to D or yes to E, are limits "alert only" on PIMS? Yes☐ No☐
H. Comments: _____

38. IS COMPANY CLASSIFIED AS "Special Handling/Billing"? Yes☐ No☒

If yes: A. Why? _____
B. Are any changes needed to reasons/details? Yes☐ No☐
C. If yes, explain: _____
D. Were company records reviewed & verified for special handling/billing reports? NA☐ Yes☐ No☐

39. SAMPLE POINTS DJ(y/n)

SP #	003	Fed.Reg.		Components:	Sanitary, P+E, kitchen, CT blowdown, boiler blowdown, storm	No
SP #	007	Fed.Reg.		Components:	Sanitary, P+E, kitchen, CT blowdown, boiler blowdown, storm	No
SP #	008	Fed.Reg.		Components:	Sanitary, P+E, kitchen, CT blowdown, boiler blowdown, storm	No
SP #	011	Fed.Reg.		Components:	Sanitary, P+E, kitchen, CT blowdown, boiler blowdown, NCCW, lab waste, storm	No
SP #	012	Fed.Reg.		Components:	Sanitary, P+E, kitchen, CT blowdown, boiler blowdown, storm	No

40. ARE ANY SAMPLE POINTS TRAPPED VENTS? Yes☐ No☒

If yes: A. List SPs: _____

B. Was co. informed that T-vents are preferred, and told why? Yes☐ No☐

41. ARE DISCHARGES AT ANY SPs SMALL/IRREGULAR ENOUGH TO ALLOW GRAB SAMPLES? Yes☐ No☒

If yes: A. List SPs and reasons: _____

42. ARE THERE ANY UNSAMPLED DISCHARGES? (list each lateral separately) Yes☒ No☐

Dummy SP #	010	Components:	Sanitary, P+E wash, CT and boiler blowdown, kitchen, stormwater
Dummy SP #		Components:	

43. DO ANY SAMPLE POINTS (including Unsampled/Dummy SPs) RECEIVE STORMWATER? Yes☒ No☐

If yes: A. List Sample Points: 003,007,008,No SP 010,011,012

44. WERE ALL SAMPLE POINTS (except Dummy SPs) OPENED & INSPECTED? No SPs☐ Yes☒ No☐

A. If any SPs cannot be located or opened, explain: _____

B. If any SP descript's need to be changed, explain: _____

C. Was ANY grease or other problem/debris observed in any SP? Yes☐ No☒

D. If yes to C, list SPs & describe: _____

E. If yes to C, was company directed to take corrective actions? Yes☐ No☐

45. REVIEW THE SAMPLE POINT MAP! Last map revision date: 7/5/12

A. Is the map correct and accurate in all its details? Yes☒ No☐

B If no, what changes are needed: _____

46. DO INSTRUCTIONS FOR "Contact Prior to Sampling" or FIELD VISIT "Special Instructions" NEED REVISION? Yes☐ No☒

If yes: A. List needed changes: _____

USE THIS SPACE FOR ANY OTHER COMMENTS/OBSERVATIONS PERTINENT TO YOUR INSPECTION OF THIS SITE.

- They have installed all new grease traps, 15, throughout the campus; they use Biologix GTD-L in the traps; the MSDS states it is a 'live bacterial suspension';
- Film developing is done by hand in pans in Art Dept; the chemistry is hauled;
- In each lab, they collect all spent solvents, acids and bases for hauling; the basement collection room contains lab packs and bulking barrels; no drains;
- There is a small machine shop in the Park Engineering section that is used a couple of times per year; coolant evaporates;
- Tissue from biology is hauled as medical waste; blood is analyzed in milliliter quantities; liquid is used up in process; the bottles are collected for hauling by the medical school;
- Maintenance is the process of collecting all unused paints from the campus and hauling; contact stated they are moving to a smaller array of colors that can be used and students are no longer allowed to paint in university owned buildings;
- Maintenance tries to collect no more than 2 barrels of oils at any time before shipping;
- NCCW at the SPs was changed to CT blowdown; boilers are present in many of the buildings, blowdown during winter months is automatic based upon conductivity; bioler and CT chemistry is typically barrel volumes at each location;
- Some of the SPs that were closed had flows or limit sets that were not ended; end dates that I used matched the deactivation date;
-

MSD 039086

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

INDUSTRIAL USER CLASSIFICATIONS

05/26/1999 TOX

WUNNENBERG INFO.

Base Map 19F4
Wun: St. Louis City & Co.
Grid: H 20 Page 27

SIU CRITERIA

GENERAL INFORMATION

Office Mailing Address
3500 Lindell
St Louis, MO. 63103

INSPECTION INFORMATION

Next Due
Insp Rslt
01/09/2013 RIN Tom Boehm

PERMIT INFORMATION

Issue Date:
Expire Date:
Extended Date:
Writer

IUQ INFORMATION

IUQ Recvd Date: 07/03/2003
Reviewer: James Goodall

CONTACTS

FLD1	Renee Knoll	Chemical Hygiene Officer	OFF	(314) 977-6884 Ext.
FLD2	Andrew Reeves	Facilities Supervisor	OFF	(314) 977-2069 Ext.
OFF1	Andrew Reeves	Facilities Supervisor	OFF	(314) 977-2069 Ext.

OPERATIONAL INFORMATION

Work Days: 7

				S	M	T	W	T	F	S
1	1,680	08:00AM	8.0	Y	Y	Y	Y	Y	Y	Y
2	100	04:00PM	8.0	Y	Y	Y	Y	Y	Y	Y
3	50	12:00AM	8.0	Y	Y	Y	Y	Y	Y	Y

Total Emp: 1,830 **Hrs:** 24.0

OTHER AGENCIES INFORMATION

06/02/1999	MDNR - Hazardous Waste Program	001467
06/03/1999	EPA - Hazardous Waste Program	MOD981120603
09/28/2005	MSD - Billing Account Number	00246016
09/28/2005	MSD - Billing Account Number	00246105
09/28/2005	MSD - Billing Account Number	00246051
09/28/2005	MSD - Billing Account Number	00467801
09/28/2005	MSD - Billing Account Number	00246106
09/28/2005	MSD - Billing Account Number	00246007
09/28/2005	MSD - Billing Account Number	00246104
09/28/2005	MSD - Billing Account Number	00247096
09/28/2005	MSD - Billing Account Number	00247144
09/28/2005	MSD - Billing Account Number	00247228
09/28/2005	MSD - Billing Account Number	00246103
08/21/2006	MSD - Billing Account Number	00473614

NON-SEWERED WASTE

On-Site Storage N **On-Site Disposal** N **Off-Site Disposal** Y

01/09/2013	Equipment Oils and/or Grease	Unknown	GPY
01/09/2013	Acids and/or Alkalies		GPY
01/09/2013	Kitchen/Food Service Grease		GPY
01/09/2013	Infectious Waste		GPY
01/09/2013	Other		GPY
01/09/2013	Pretreatment Sludges		GPY
01/09/2013	Radioactive Waste		GPY
01/09/2013	Solvents/Thinners		GPY

COMMENTS

RAW MATERIALS

EFF DATE	MATERIAL_DESCRIPTION	QUANTITY	UNIT

SIC INFORMATION

SIC	DESCRIPTION
8221	Colleges, Universities & Professional Schools

PRODUCTS

EFF DATE	DESCRIPTION	UNIT	AVG_PROD	MAX_PROD
05/07/2004	Educational services			

Report No. PIMS012A 02/26/2013 10:27:05 am
Data Date & Time: 02/26/2013 10:27:05 am

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

SEWER ACCOUNTS

Sewer Accounts
1024309000
1024304600
1024305500
1024313900
1024314000
1024314100
1024314200
1024412600
1024417300
1024425800
1024864500
1047492700
1048105700

WATER CONSUMPTION AND WASTEWATER DISCHARGE

Start Date = 01/01/2011 12:00:00AM **End Date =** 12/31/2013 12:59:59PM **Wdays** **Cdays**

Acct. No.			Consumption					Discharge	
1024309000			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
1024309000	11/19/2010	02/08/2011	28,877	28,877	A	82	82	82	
1024309000	02/09/2011	05/24/2011	39,157	68,034		105	105	187	
1024309000	05/25/2011	08/03/2011	33,590	101,624		71	71	258	
1024309000	08/04/2011	11/15/2011	29,289	130,913		104	104	362	
1024309000	11/16/2011	02/01/2012	27,251	158,164		78	78	440	
1024309000	02/02/2012	05/15/2012	26,582	184,746		104	104	544	
1024309000	05/16/2012	08/01/2012	37,781	222,527		78	78	622	
1024309000	08/02/2012	11/05/2012	136,528	359,055		96	96	718	
RF 0.80		**Acct. Total**	359,055	268,591,811		718	718	299,267	299,267
		Facility Total	359,055						

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
01	Sanitary Or Combined	20F2	275C	Trunk Sewer	34 - Compton

Description E from buildings on E side of Grand to MSD connection on Channing Av

Sewer Route E in 2' x 3' sewer to 96" sewer at Channing Av, S to 7.5' Horseshoe trunk, N to TP

SAMPLE POINT NO. 007 Ordinance **NPDES Outfall No.**

Description MH in sidewalk 90' W of parking garage at Olive Street, 165' S of Lindell Bl

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Kitchen Waste		1,000	GPD		GPD	D	7/1/03
Boiler Blowdown		250	GPD		GPD	D	7/2/03
Plant & Equipment Wash/Janitorial		6,200	GPD		GPD	D	7/2/03
Sanitary		1,900	GPD		GPD	D	7/2/03
Cooling Tower Blowdown		250	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**9,600**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
03	Sanitary Or Combined	19F2	327C	Trunk Sewer	37 - Western Mill Creek

Description S to 18" MSD sewer

Sewer Route W to 8' sewer, S on Vandevender to Rutger sewer trunk, N to TP

SAMPLE POINT NO. 003 Ordinance **NPDES Outfall No.**

Description MH by dumpster in alley S of Lindell-48' W, 15' N of NE corner Bldg 14(DeMattias Hall)

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	7/2/03
Plant & Equipment Wash/Janitorial		6,350	GPD		GPD	D	7/2/03
Sanitary		12,000	GPD		GPD	D	7/2/03
Kitchen Waste		1,600	GPD		GPD	D	7/2/03
Cooling Tower Blowdown		250	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**20,450**		**Max =**			

SAMPLE POINT NO. 008 Ordinance **NPDES Outfall No.**

Description MH in alley S of Lindell- 36' E, 75' S of SE corner of Humanities Bldg(3800 LIndell)

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	7/2/03
Plant & Equipment Wash/Janitorial		8,300	GPD		GPD	D	7/2/03
Sanitary		23,710	GPD		GPD	D	7/2/03
Kitchen Waste		1,000	GPD		GPD	D	7/2/03
Cooling Tower Blowdown		250	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**33,510**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
06	Sanitary Or Combined	20F2	230C	Trunk Sewer	37 - Western Mill Creek

Description Multiple lines from bldgs on W side of Grand to Laclede

Sewer Route E on Laclede to 96" RCP, S to 7.5' horseshoe trunk, N to treatment plant

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

SAMPLE POINT NO. 011 Ordinance **NPDES Outfall No.**

Description Flow from NW in manhole in walkway on Laclede at SW corner of Billiken Sports Center

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	3/27/07
Non Contact Cooling Water		3,200	GPD		GPD	D	3/27/07
Plant & Equipment Wash/Janitorial		20,650	GPD		GPD	D	3/27/07
Sanitary		78,108	GPD		GPD	D	3/27/07
Laboratory Waste		1,400	GPD		GPD	D	3/27/07
Kitchen Waste		3,200	GPD		GPD	D	3/27/07
Cooling Tower Blowdown		250	GPD		GPD	D	3/27/07
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**107,058**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
08	Sanitary Or Combined	19F3	480C	Trunk Sewer	37 - Western Mill Creek

Description Multiple lines from buildings at Spring Av and alley N of Laclede Av

Sewer Route W to 8' sewer, S on Vandeventer to trunk sewer at Rutger, N to treatment plant

SAMPLE POINT NO. 010 Dummy Point **NPDES Outfall No.**

Description No sample point available

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	7/2/03
Plant & Equipment Wash/Janitorial		8,400	GPD		GPD	D	7/2/03
Sanitary		9,400	GPD		GPD	D	7/2/03
Kitchen Waste		700	GPD		GPD	D	7/2/03
Cooling Tower Blowdown		250	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	1/9/13
	Total Flow Avg =	**19,000**		**Max =**			

SAMPLE POINT NO. 012 Ordinance **NPDES Outfall No.**

Description Manhole in alley off Laclede,15' N, 15' E of NE corner of the soccer field at Vandeventer & Laclede

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Boiler Blowdown		250	GPD		GPD	D	3/27/07
Plant & Equipment Wash/Janitorial		6,290	GPD		GPD	D	3/27/07
Sanitary		10,800	GPD		GPD	D	3/27/07
Kitchen Waste		1,250	GPD		GPD	D	3/27/07
Cooling Tower Blowdown		250	GPD		GPD	D	3/27/07
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**18,840**		**Max =**			

PRETREATMENT TYPES

SP	EFF DATE	TYPE	DESCRIPTION
003	07/07/2003	DC28	Grease Trap
007	01/09/2013	DC28	Grease Trap
008	07/07/2003	DC28	Grease Trap
010	01/09/2013	DC28	Grease Trap
011	03/27/2007	DC28	Grease Trap
012	03/27/2007	DC28	Grease Trap

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **1024309000**

Premise Address 3500 Lindell
St Louis MO. 63103

PRIORITY POLLUTANTS

Pollutant Description	Status	Pollutant Description	Status	Pollutant Description	Status
Cyanide (Total)	KP	Asbestos (Fibrous)	KP	Silver (Total)	KP
Selenium (Total)	SP	Copper (Total)	KP	Zinc (Total)	KP
Nickel (Total)	KP	Mercury (Total)	KP	Lead (Total)	KP
Chromium (Total)	KP	Arsenic (Total)	KP	Phenol	SP
Dimethyl Phthalate	SP	2,4-Dinitrophenol	SP	Nitrobenzene	KP
Hexachlorobenzene	SP	Toluene	KP	Methylene Chloride	KP
Chlorobenzene	KP	1,3-Dichlorobenzene	SP	Chloroform	KP
Carbon Tetrachloride	KP	Benzene	KP	1,2-Dichloroethane	SP
2,4-Dinitrotoluene	SP	Di-n-butyl Phthalate	SP	2,6-Dinitrotoluene	SP
2-Nitrophenol	SP	Diethyl Phthalate	SP	1,2-Dichloropropane	SP
1,2-Dichlorobenzene	SP	1,1-Dichloroethane	SP	Ethylbenzene	KP
1,4-Dichlorobenzene	SP	1,1-Dichloroethene	SP		

EXTRA STRENGTH SURCHARGE INFORMATION

PIMS FACILITY CONTACTS

For Account Number Selected **1024309000 ST LOUIS UNIVERSITY**

Located at 3500 Lindell
St Louis MO 63103

Address Type

Contact Type	Contact Name		Contact Title	Phone Type	Number	Ext.
Office Mailing Address						
Office Contact - Primary	Andrew	Reeves	Facilities Supervisor	OFF	(314)977-2069	
Premise Address						
Field Contact - Primary	Renee	Knoll	Chemical Hygiene Officer	OFF	(314)977-6884	
Field Contact 1st Alt	Andrew	Reeves	Facilities Supervisor	OFF	(314)977-2069	

PIMS
REPORT OF FIELD SAMPLING REQUIREMENTS
ST LOUIS UNIVERSITY

Account No Entered **1024309000**

SPN	PREMISE ADDRESS	CITY	ST	ZIP
	3500 Lindell	St Louis	MO	63103

003 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2013
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2013
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2013
	T237000	pH	Once/year	Grab	06/30/2013
	T247000	Temperature	Once/year	Grab	06/30/2013
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2013

007 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2013
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2013
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2013
	T237000	pH	Once/year	Grab	06/30/2013
	T247000	Temperature	Once/year	Grab	06/30/2013
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2013

008 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2013
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2013
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2013
	T237000	pH	Once/year	Grab	06/30/2013
	T247000	Temperature	Once/year	Grab	06/30/2013
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2013

011 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2013
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2013
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2013
	T237000	pH	Once/year	Grab	06/30/2013
	T247000	Temperature	Once/year	Grab	06/30/2013
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2013

012 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2013
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2013
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2013
	T237000	pH	Once/year	Grab	06/30/2013
	T247000	Temperature	Once/year	Grab	06/30/2013
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2013

SR

M[redacted]ROPOLITAN ST. LOUIS SEWER DIST[redacted]T
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

1024-3090-00

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

RECEIVED
NOV 01 2012
DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 10/30/12

MSD 039094

SR

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus** 1024309000
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

RECEIVED
JUL 30 2012
DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 7/24/12

Metropolitan St. Louis Sewer District

Division of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
Phone: 314.768.6200 www.stlmsd.com

MSD

July 16, 2012

Andrew Reeves
ST LOUIS UNIVERSITY
3500 Lindell
St. Louis, MO 63103

Re: Change in compliance charge rate
For premise at: **3500 Lindell**
St. Louis, MO 63103

Dear Andrew Reeves:

As you probably are aware, citizens in the Metropolitan St. Louis Sewer District's boundaries voted on June 5, 2012 to revise the rate structure for MSD customers. This revised rate structure affects more than the charge for volume. It also changes the compliance charge that is assessed for commercial accounts. This charge is a separate line item on your monthly bill.

Previously, the compliance charge was a flat rate for all non-residential accounts. It is now a tiered rate, more accurately reflecting the actual costs involved for federal regulatory requirements to inspect and sample companies. In addition to changing to a more equitable tiered rate, MSD has also re-evaluated the costs involved and program requirements, and has been able to make changes to greatly reduce the overall impact of the compliance charge.

For the vast majority of non-residential accounts, the compliance charge will decrease. However, certain companies that federal regulations require to be inspected or have their wastewater sampled will see their compliance charge increase, due to the costs involved in conducting the inspections and sampling. Your facility is one of the companies that these federal regulations encompass.

Barring any recent changes at your facility, the new compliance charge for your MSD sewer account will be **$163.75** per month. Please note also that the tier, and associated compliance charge, can change as conditions change at your facility.

Please note that MSD recognizes that many companies receive more than one MSD bill, because they have more than one incoming water account. The above compliance charge will apply to only one MSD account for each premise, with any other accounts receiving the minimum compliance charge of $23.00 per month. In addition, the minimum compliance charge for those additional accounts will further reduce to $2.15 per month by July 1, 2015.

An insert explaining the compliance charge in more detail will be included with the August bill for all non-residential accounts. This will help insure that the person or department actually paying the bill will also be aware of the changes.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Douglas M. Mendoza, P.E.
Manager of Industrial Pretreatment

Industry: ST LOUIS UNIVERSITY [1024309000]

From: S. REHMER SR

Date: 07/05/12

Re: Change in Account Number

The account number for this company has been changed from: 5112134700

to: 1024309000

The change is due to the need to have all industry account numbers conform to the billing premise # - based system, so that the correct "compliance fee tier" charge can be automatically added to the sewer bill each month.

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

B 4-30 MSD

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112134700
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 4/24/12

RECEIVED

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT **MSD**

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 511 2134700
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

CB 2-13

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 1/27/12

RECEIVED
FEB 01 2012
DIVISION OF ENVIRONMENTAL COMPLIANCE

SAINT LOUIS
UNIVERSITY

Cavanaugh Building - Room C305
1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax 314-977-5560
www.slu.edu

Office of Environmental Safety & Service
Environmental Safety: 314-977-8608
Radiation Safety: 314-977-8609

MSD

October 21, 2011

5112134700

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period July - September 2011

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
OCT 2 9 2011
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 511 2134700
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

CB

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 10/21/11

RECEIVED
OCT 26 2011
DIVISION OF
ENVIRONMENTAL COMPLIANCE

MSD

Caroline Building - Room C305
1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax 314-977-5560
www.slu.edu

SAINT LOUIS
UNIVERSITY

Office of Environmental Safety & Service
Environmental Safety: 314-977-8608
Radiation Safety: 314-977-8609

July 26, 2011

STL - Frost
5112-1347-00

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period April - June 2011

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
JUL 28 2011
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 7/26/11

RECEIVED
JUL 28 2011
DIVISION OF
ENVIRONMENTAL COMPLIANCE

MSD

Caroline Building - Room C305
1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax 314-977-5560
www.slu.edu

SAINT LOUIS
UNIVERSITY

Office of Environmental Safety & Service:
Environmental Safety: 314-977-8608
Radiation Safety: 314-977-8609

April 27, 2011

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period Jan. - March 2011

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
MAY 04 2011
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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RECEIVED
MAY 04 2011
DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 4/27/11

MSD

Caroline Building - Room C305
1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax 314-977-5560
www.slu.edu

SAINT LOUIS
UNIVERSITY

Office of Environmental Safety & Service
Environmental Safety: 314-977-8608
Radiation Safety: 314-977-8609

SR
2-1

January 26, 2011

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period Oct. - Dec. 2010

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
JAN 31
DIVISION OF
ENVIRONMENTAL CONTROL

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus** 5112-1347-00
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KA

I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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RECEIVED JAN 8 DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 1/26/11

MSD

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560
www.slu.edu

SAINT LOUIS
UNIVERSITY

Office of Environmental Safety & Services
Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

October 25, 2010

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period July - Sept. 2010

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
OCT 2 8 2010
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
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A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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RECEIVED
DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 10/25/10

SR
8-2

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

MSD

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

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A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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RECEIVED
AUG 0 2 2010
DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 7/27/10

MSD

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560
www.slu.edu

SAINT LOUIS
UNIVERSITY

Office of Environmental Safety & Services
Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

July 27, 2010

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period April - June 2010

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
AUG 02 2010
DIVISION OF
ENVIRONMENTAL COMPLIANCE

MSD

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560
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SAINT LOUIS
UNIVERSITY

Office of Environmental Safety & Services
Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

April 29, 2010

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period Jan. - March 2010

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED

MAY 14 2010

DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
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B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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RECEIVED
MAY 14 2010
DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 4/29/10

MSD 039113

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL FACILITY REINSPECTION REPORT

Company: St. Louis University Account #: 5112134700
Premise Address: 3500 Lindell Zip Code: 63103
MSD Classes: SIU ☐ CIU ☐ Surch ☐ Potential Toxic Waste ☒ Non-Toxic Proc Waste ☐
No Process Flow ☐ Multi-User ☐ Special Handling/Billing ☐
Company Representative: Renee Knoll
Title: Chemical Hygiene Officer Phone#: 314-977-6884
Inspector: J. Goodall
Others Present: None
Inspection Date: 11/24/09 Time: From 09:10 am To 11:15 am (Last Insp. 3/27/07)

NOTE: ALL ITEMS ARE TO BE COMPLETED BASED ON EVENTS SINCE LAST INSPECTION. ANSWERS ARE BASED ON INFORMATION OBTAINED OR PROVIDED BY COMPANY DURING INSPECTION, AS WELL AS INFORMATION IN FILE.

***** DATABASE ALSO UPDATED WITH APPROPRIATE CHANGES - see attached database reports *****

1. A. ARE THERE ADDITIONAL NON-STORMWATER ACCOUNT NUMBERS? Yes☒ No☐
List them, note any changes: 10243144-00,10243112-00,10248645-00,51121195-05, 51121290-01,51121426-06,51121427-02,51121429-03, 51121430-02,51123782-03,51123879-01,51124099-00, 90116361-01,90122725-01 (10243144-00 replaces acct 51121432-01)
B. Did all acct no's have water usage on PIMS? Yes☐ No☒
C. If no to B, explain: 10243144-00,10243112-00,10248645-00 needs driver license added.

2. PROCESSES & CLEANUP/WASHDOWN:

	Cont/ Batch		Water Used?	Frequency of discharge	Sample pt.
Liberal Arts College with biology & chemistry labs	Cont		Yes	daily	003,007,008, 011,012
	(None)		N/A		
	(None)		N/A		
	(None)		N/A		
	(None)		N/A		
	(None)		N/A		

3. PRETREATMENT (other than grease traps) - describe:

	Sample pt.
none	

4. DOES COMPANY HAVE ANY GREASE TRAPS? Yes☒ No☐
If yes: A. List sample points: 003,008,011,012
B. What is the frequency for cleaning & maintenance? monthly by Biologix
C. Are enzymes (not bacteria) used in traps? Yes☐ No☒
D. If yes to C, was co. told to stop or switch to approved bacteria? Yes☐ No☐
E. Was co. informed that MSD performs separate grease trap inspections? Yes☒ No☐

5. HAS COMPANY CONSTRUCTED NEW BLDGS/ADDITIONS WITH SEWERS SINCE LAST INSP? Yes☐ No☒
If yes: A. Ask company: Did they notify MSD's Plan Review group? Unknown☐ Yes☐ No☐
B. If no or unknown, has inspector notified Plan Review group? Yes☐ No☐
C. Comments: _____

(07/09)

6. HAS COMPANY BEGUN DISCHARGING ANY NEW POLLUTANTS SINCE THE LAST INSP? Yes☐ No☒

If yes: A. List pollutants & process: _____

B. Will MSD STP exceed existing NPDES discharge limit(s)? Yes☐ No☐

C. Will MSD STP's discharge exceed 0.1 mg/l for any new pollutant? Yes☐ No☐

(MSD must notify MDNR if B or C is yes and discharge will continue.)

D. Comments: _____

7. ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS? Yes☐ No☒

If yes: A. List reg. & describe (including any discharge):

_____

8. DOES CATEGORICAL WASTEWATER COMBINE WITH NON-CAT. WW PRIOR TO SAMPLING? Yes☐ No☒

If yes: A. At which points? _____

B. Current applied factor: _____ Is it correct? Yes☐ No☐

C. If no, list correct factor/explain? _____

9. IS ANY WASTEWATER SUBJECT TO PRODUCTION OR MASS BASED STANDARDS? Yes☐ No☒

If yes: A. At which points? _____

B. Since calculation of the current limits, has the long term avg production rate or discharge volume changed by 20% or more? Yes☐ No☐

C. If yes to B, explain: _____

10. ARE ANY RADIOACTIVE MATERIALS HANDLED? Yes☒ No☐

If yes: A. Describe operations & disposal: P-32 materials, solids are handled by STL University Medical School and there have been no liquids generated.

B. Does company have MSD authorization for disposal to sewer? NA☐ Yes☒ No☐

C. Most recent authorization date: 4/2/99

D. Amount discharged in most recent complete calendar year: 0

11. DOES PROCESS or P&E WASHDOWN WATER USE APPEAR EXCESSIVE? Yes☐ No☒

A. Explain how use was verified & any needed changes:
Very large facility and cleanup usage appears normal for activities on campus.

12. BASED ON OBSERVATIONS DURING INSPECTION, DOES COMPANY APPEAR TO HAVE SOME WATER THAT IS NOT DISCHARGED TO SEWER? Yes☒ No☐

If yes: A. Describe: cooling tower & boiler evaporative loss, irrigation

B. Was "Return Factor Program" brochure given to company? Yes☒ No☐
(regardless of whether some water is not discharged to sewer)

13. HAS COMPANY EXCEEDED ORDINANCE DISCHARGE LIMITS SINCE LAST INSPECTION OR WITHIN THE LAST 12 MONTHS (if last insp <12 months ago)? Yes☐ No☒

If yes: A.

Pollutant	When	Sample Points	Is problem resolved? Yes/No	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

B. Comments: _____

14. HAS COMPANY EXCEEDED CATEGORICAL PRETREATMENT LIMITS SINCE THE LAST INSPECTION OR WITHIN THE LAST 12 MONTHS? NA☒ Yes☐ No☐

If yes: A.

Pollutant	When	Sample Points	Is problem resolved? Yes/No	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

B. Comments: _____

15. HAVE THERE BEEN ANY PROBLEM DISCHARGES SINCE LAST INSPECTION? Yes☐ No☒

If yes: A. Upsets? ☐ Bypasses of pretreatment facilities?☐
Spills? ☐ Slug discharges? ☐ Other? _____
B. Explain any marked: _____

16. COULD SPILLS OR LEAKS OF PROCESS TANKS, STORED WASTES, OR STORED CHEMICALS EASILY REACH SANITARY SEWERS OR STORM DRAINS? Yes☐ No☒

If yes: A. What needs to be done?
_____

If no: B. How are they controlled?
Lab chemicals are kept in limited quantities and are kept away from floor drains.

17. BASED ON OBSERVATIONS DURING INSPECTION, ARE THERE ANY AREAS WHERE COMPANY ACTIVITIES APPEAR TO IMPAIR STORMWATER RUNOFF? Yes☐ No☒

If yes: A. Describe: _____
B. What needs to be done? _____
C. Was "Illicit Stormwater Discharges" brochure given to company? Yes☒ No☐
(regardless of whether there are any problem areas)

18. DOES COMPANY HAVE ANY SPILL CONTROL OR SLUG DISCHARGE CONTROL PLANS? Yes☐ No☒

If yes: A.

	Title	Last Update	Update needed? Explain if yes
1.			N/A
2.			N/A

B. Are any Plans needed (in addition to those listed in Part A)? Yes☐ No☒
(If yes, write company and request)

19. DOES COMPANY HAVE ANY MAINTENANCE SHOP PARTS WASHERS? Yes☐ No☒

If yes: A. Parts washer solvent name: _____
B. Priority pollutants (or "none"): _____
C. How is spent solvent disposed? _____
(Parts washer solvents are not included in database's priority pollutants list, nor monitored for unless conditions show potential discharges)

20. ARE ANY ORGANICS OR SOLVENTS USED (OTHER THAN IN PARTS WASHERS)? Yes☒ No☐

If yes: A.

Solvent name/ components	Used for?	413/433/469 Process?	How disposed?	Priority Pollutant?
Benzene	lab tests	Yes☐ No☒	hauled off	Yes☒ No☐
Toluene	lab tests	Yes☐ No☒	hauled off	Yes☒ No☐
Chloroform	lab tests	Yes☐ No☒	hauled off	Yes☒ No☐
Meth. chloride	lab tests	Yes☐ No☒	hauled off	Yes☒ No☐
Carbon Tet.	lab tests	Yes☐ No☒	hauled off	Yes☒ No☐
		Yes☐ No☐		Yes☐ No☐

21. DOES COMPANY HAVE A 413/433/469 SOLVENT MANAGEMENT PLAN? Yes☐ No☒

If yes: A. Is it part of a Spill/Slug Control Plan listed above? Yes[1.☐ 2.☐] No☐

B. If no to A, date of last update for SMP: _____

C. Is there a copy of the Spill/Slug Plan or SMP in the files? Yes☐ No☐

D. Does SMP address all 413/433/469 solvents? Yes☐ No☐

(If no to C or D, write company and require submittal and/or update)

22. ARE EMERGENCY NOTIFICATION PROCEDURES POSTED THAT INCLUDE MSD CONTACTS? Yes☐ No☒

A. Was company provided notification cards & told to post where emergency response personnel can locate them? Yes☒ No☐

(Must post if co. generates process wastewater or stores chemicals of concern)

23. IS COMPANY REQUIRED TO SELF-MONITOR ANY OF THEIR DISCHARGES? Yes☐ No☒

If yes: A. Is requirement contained in permit ☐ or other document ☐.

B. If other document, date & description: _____

C. How frequently is sampling required? _____

D. How frequently are reports required? _____

E. Have reports been on-time, complete & signed by proper person? Yes☐ No☐

F. If no, explain: _____

24. DOES COMPANY SELF-MONITOR ITS WASTEWATER DISCHARGE? Yes☐ No☒

If yes: A. Is the self-monitoring required by MSD? Yes☐ No☐

B. Are representative grab/comp samples collected? Yes☐ No☐

C. Does sample collection time period match company's production shifts (is it representative)? Yes☐ No☐

D. Are EPA-approved 40 CFR 136 wastewater test methods used? Yes☐ No☐

E. If no to B, C, or D, explain needed changes: _____

25. DOES CO. CONTINUOUSLY MONITOR AT SAMPLE POINT AND KEEP A PERMANENT RECORD FOR: pH ☐, TEMP ☐, LEL ☐? Yes☐ No☒

If yes: A. At which SPs? _____

B. Does company submit quarterly summaries? Yes☐ No☐

C. If no, explain: _____

26. DOES MSD SPLIT SAMPLES WITH THE COMPANY? Yes☐ No☒

If yes: A. Is company having the samples analyzed Yes☐ No☐

B. How does company insure proper preservation, holding times & analytical methods? _____

C. Has company submitted results of all split sample analyses since the last insp? Yes☐ No☐

D. Have results been submitted within 28 days of the collection's calendar quarter? Yes☐ No☐

E. If no to C, or D, explain: _____

F. Does company still want to split samples? Yes☐ No☐

G. Comments: _____

27. IS COMPANY UNDER ANY ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS TO SUBMIT COMPLIANCE SCHEDULE REPORTS? Yes☐ No☒

If yes: A. Type and date: _____

B. Have the reports & actions been on-time & complete? Yes☐ No☐

C. If no, explain: _____

28. ASK COMPANY: IS CO. IN COMPLIANCE W/APPLICABLE NESHAP REGS FOR WW DISCHARGES? Yes☒ No☐

[Some MDNR-issued Title V air permits for specific processes allow pre-approved WW discharge.] [City/County-issued air permits are not NESHAP permits.]

If no: A. Describe: _____

B. Was MDNR Air Pollution Control informed? (must be done) Yes☐ No☐

29. DOES COMPANY RETAIN ALL WASTEWATER RECORDS FOR AT LEAST 5 YEARS? Yes☒ No☐

If no: A. How long does company retain records? _____

B. Was company told to retain for at least 5 years, per ordinance? Yes☐ No☐

C. Where are they kept? Environmental office @ 1402 S. Grand

30. DO MSD CLASSIFICATIONS NEED TO BE REVISED? Yes☐ No☒

If yes: A. Indicate correct classifications:

SIU ☐ CIU ☐ Surch. ☐ Potential Toxic Waste ☐ Non-Toxic Proc Waste ☐

No Process Discharge ☐ Multi-User ☐ Special Handling/Billing ☐

B. Explain changes: _____

31. SAMPLE POINTS DJ(y/n)

SP #	003	Fed.Reg.	n/a	Components:	Sanitary + NCCW + janitorial + kitchen waste + stormwater	No
SP #	007	Fed.Reg.	n/a	Components:	Sanitary + NCCW + janitorial + stormwater	No
SP #	008	Fed.Reg.	n/a	Components:	Sanitary + NCCW + janitorial + kitchen waste + stormwater	No
SP #	011	Fed.Reg.	n/a	Components:	Sanitary + NCCW + janitorial + lab waste + kitchen waste + stormwater	No
SP #	012	Fed.Reg.	n/a	Components:	Sanitary + janitorial + kitchen waste + stormwater	No

32. ARE ANY SAMPLE POINTS TRAPPED VENTS? Yes☐ No☒

If yes: A. List SPs: _____

B. Was co. informed that T-vents are preferred, and told why? Yes☐ No☐

33. ARE DISCHARGES AT ANY SPs SMALL/IRREGULAR ENOUGH TO ALLOW GRAB SAMPLES? Yes☐ No☒

If yes: A. List SPs and reasons: _____

34. ARE THERE ANY UNSAMPLED DISCHARGES? (list each lateral separately) Yes☐ No☒

Dummy SP #		Components:	
Dummy SP #		Components:	

35. DO ANY SAMPLE POINTS (including Unsampled/Dummy SPs) RECEIVE STORMWATER? Yes☒ No☐

If yes: A. List Sample Points: 003,007,008,011,012

36. WERE ALL SAMPLE POINTS (except Dummy SPs) OPENED & INSPECTED? No SPs☐ Yes☒ No☐

A. If any SPs cannot be located or opened, explain: _____

B. If any SP descript's need to be changed, explain: _____

C. Was ANY grease or other problem/debris observed in any SP? Yes☐ No☒

D. If yes to C, list SPs & describe: _____

E. If yes to C, was company directed to take corrective actions? Yes☐ No☐

37. REVIEW THE SAMPLE POINT MAP! Last map revision date: 4/25/07

A. Is the map correct and accurate in all its details? Yes☒ No☐

B If no, what changes are needed: _____

38. DO INSTRUCTIONS FOR "Contact Prior to Sampling" OR FIELD VISIT "Special Instructions" NEED REVISION? Yes☐ No☒

If yes: A. List needed changes: _____

USE THIS SPACE FOR ANY OTHER COMMENTS/OBSERVATIONS PERTINENT TO YOUR INSPECTION OF THIS SITE.

_____

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **5112134700**

Premise Address 3500 Lindell
St Louis MO. 63103

INDUSTRIAL USER CLASSIFICATIONS
05/26/1999 PTW

WUNNENBERG INFO.
Base Map 19F4
Wun: St. Louis City & Co.
Grid: H 20 Page 27

SIU CRITERIA

GENERAL INFORMATION
Office Mailing Address
3500 Lindell
St Louis, MO. 63103

INSPECTION INFORMATION
Next Due
Insp Rslt
11/24/2009 RIN James Goodall

PERMIT INFORMATION
Issue Date:
Expire Date:
Extended Date:
Writer

IUQ INFORMATION
IUQ Recvd Date: 07/03/2003
Reviewer: James Goodall

CONTACTS

FLD1	Renee Knoll	Chemical Hygiene Officer	OFF	(314) 977-6884 Ext.
FLD2	Andrew Reeves	Facilities Supervisor	OFF	(314) 977-2069 Ext.
OFF1	Andrew Reeves	Facilities Supervisor	OFF	(314) 977-2069 Ext.

OPERATIONAL INFORMATION

Work Days: 7

				S	M	T	W	T	F	S
1	1,680	08:00AM	8.0	Y	Y	Y	Y	Y	Y	Y
2	100	04:00PM	8.0	Y	Y	Y	Y	Y	Y	Y
3	50	12:00AM	8.0	Y	Y	Y	Y	Y	Y	Y

Total Emp: 1,830 **Hrs:** 24.0

NON-SEWERED WASTE
On-Site Storage **On-Site Disposal** **Off-Site Disposal**

OTHER AGENCIES INFORMATION

06/02/1999	MDNR - Hazardous Waste Program	001467
06/03/1999	EPA - Hazardous Waste Program	MOD981120603
09/28/2005	MSD - Billing Account Number	00246016
09/28/2005	MSD - Billing Account Number	00246007
09/28/2005	MSD - Billing Account Number	00246104
09/28/2005	MSD - Billing Account Number	00246051
09/28/2005	MSD - Billing Account Number	00246108
09/28/2005	MSD - Billing Account Number	00246103
09/28/2005	MSD - Billing Account Number	00246106
09/28/2005	MSD - Billing Account Number	00246105
09/28/2005	MSD - Billing Account Number	00247096
09/28/2005	MSD - Billing Account Number	00247144
09/28/2005	MSD - Billing Account Number	00247228
09/28/2005	MSD - Billing Account Number	00467801
08/21/2006	MSD - Billing Account Number	00473614

COMMENTS

RAW MATERIALS

EFF DATE	MATERIAL_DESCRIPTION	QUANTITY	UNIT

SIC INFORMATION

SIC	DESCRIPTION
8221	Colleges, Universities & Professional Schools

PRODUCTS

EFF DATE	DESCRIPTION	UNIT	AVG_PROD	MAX_PROD
05/07/2004	Educational services			

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **5112134700**

Premise Address 3500 Lindell
St Louis MO. 63103

SEWER ACCOUNTS

Sewer Accounts

5112134700
1024311200
1024314400
1024864500
5112119505
5112129001
5112142606
5112142702
5112142903
5112143002
5112378203
5112387901
5112409900
9011636101
9012272501

WATER CONSUMPTION AND WASTEWATER DISCHARGE

Start Date = 01/01/2009 12:00:00AM **End Date =** 12/31/2010 12:59:59PM **Wdays** **Cdays**

Acct. No.			Consumption					Discharge	
5112119505			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112119505	11/07/2008	02/02/2009	340	340	A	88	88	88	
5112119505	02/03/2009	05/01/2009	330	670		88	88	176	
5112119505	05/02/2009	08/06/2009	380	1,050		97	97	273	
5112119505	08/07/2009	11/02/2009	380	1,430		88	88	361	
RF 1.00	**Acct. Total**		1,430	1,069,714		361	361	2,963	2,963
5112129001			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112129001	11/21/2008	02/13/2009	3,036	3,036	A	85	85	85	
5112129001	02/14/2009	05/12/2009	4,040	7,076		88	88	173	
5112129001	05/13/2009	08/18/2009	6,481	13,557		98	98	271	
5112129001	08/19/2009	11/17/2009	6,257	19,814		91	91	362	
RF 0.95	**Acct. Total**		19,814	14,821,902		362	362	38,897	38,897
5112134700			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112134700	11/05/2008	02/09/2009	23,598	23,598	A	97	97	97	
5112134700	02/10/2009	05/04/2009	22,382	45,980		84	84	181	
5112134700	05/05/2009	08/14/2009	36,586	82,566		102	102	283	
5112134700	08/15/2009	11/04/2009	32,838	115,404		82	82	365	
RF 0.80	**Acct. Total**		115,404	86,328,193		365	365	189,212	189,212
5112142606			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112142606	11/07/2008	02/02/2009	50	50	A	88	88	88	
5112142606	02/03/2009	05/01/2009	40	90		88	88	176	
5112142606	05/02/2009	08/06/2009	280	370		97	97	273	
5112142606	08/07/2009	11/02/2009	170	540		88	88	361	
RF 1.00	**Acct. Total**		540	403,948		361	361	1,119	1,119
5112142702			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112142702	11/04/2008	02/02/2009	60	60	A	91	91	91	
5112142702	02/03/2009	05/01/2009	90	150		88	88	179	
5112142702	05/02/2009	08/06/2009	280	430		97	97	276	
5112142702	08/07/2009	11/09/2009	270	700		95	95	371	
RF 1.00	**Acct. Total**		700	523,636		371	371	1,411	1,411
5112142903			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112142903	12/03/2008	02/18/2009	158	158	A	78	78	78	
5112142903	02/19/2009	05/08/2009	99	257		79	79	157	
5112142903	05/09/2009	08/21/2009	64	321		105	105	262	
5112142903	08/22/2009	11/19/2009	60	381		90	90	352	
RF 1.00	**Acct. Total**		381	285,008		352	352	810	810
5112143002			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112143002	11/21/2008	02/02/2009	47	47	A	74	74	74	
5112143002	02/03/2009	05/05/2009	80	127		92	92	166	
5112143002	05/06/2009	08/06/2009	80	207		93	93	259	
5112143002	08/07/2009	11/02/2009	100	307		88	88	347	
RF 1.00	**Acct. Total**		307	229,652		347	347	662	662
5112378203			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112378203	11/07/2008	02/03/2009	10	10	A	89	89	89	
5112378203	02/04/2009	05/05/2009	0	10		91	91	180	
5112378203	05/06/2009	08/25/2009	500	510		112	112	292	
5112378203	08/26/2009	11/02/2009	170	680		69	69	361	
RF 0.03	**Acct. Total**		680	508,675		361	361	42	42
5112387901			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112387901	11/07/2008	02/02/2009	60	60	A	88	88	88	
5112387901	02/03/2009	05/05/2009	70	130		92	92	180	

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
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Premise Address 3500 Lindell
St Louis MO. 63103

5112387901	05/06/2009	08/11/2009	510	640	A	98	98	278		
5112387901	08/12/2009	11/02/2009	420	1,060		83	83	361		
RF	1.00	**Acct. Total**	1,060	792,935		361	361	2,196	2,196	
5112409900			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**	
5112409900	11/21/2008	02/02/2009	49	49	A	74	74	74		
5112409900	02/03/2009	05/01/2009	90	139		88	88	162		
5112409900	05/02/2009	08/21/2009	22	161		112	112	274		
5112409900	08/22/2009	11/02/2009	58	219		73	73	347		
RF	1.00	**Acct. Total**	219	163,823		347	347	472	472	
9011636101			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**	
9011636101	11/07/2008	02/02/2009	220	220	A	88	88	88		
9011636101	02/03/2009	05/01/2009	260	480		88	88	176		
9011636101	05/02/2009	08/19/2009	1,802	2,282		110	110	286		
9011636101	08/20/2009	11/02/2009	658	2,940		75	75	361		
RF	0.73	**Acct. Total**	2,940	2,199,273		361	361	4,447	4,447	
9012272501			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**	
9012272501	11/20/2008	02/10/2009	3,163	3,163	A	83	83	83		
9012272501	02/11/2009	05/12/2009	4,085	7,248		91	91	174		
9012272501	05/13/2009	08/19/2009	5,522	12,770		99	99	273		
9012272501	08/20/2009	11/12/2009	2,276	15,046		85	85	358		
RF	1.00	**Acct. Total**	15,046	11,255,190		358	358	31,439	31,439	
		Facility Total	158,521							

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **5112134700**

Premise Address 3500 Lindell
St Louis MO. 63103

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
01	Sanitary Or Combined	20F2	275C	Trunk Sewer	Compton

Description E from buildings on E side of Grand to MSD connection on Channing Av

Sewer Route E in 2' x 3' sewer to 96" sewer at Channing Av, S to 7.5' Horseshoe trunk, N to TP

SAMPLE POINT NO. 007 Ordinance **NPDES Outfall No.**

Description MH in sidewalk 90' W of parking garage at Olive Street, 165' S of Lindell Bl

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Non Contact Cooling Water		500	GPD		GPD	D	7/2/03
Sanitary		1,900	GPD		GPD	D	7/2/03
Plant & Equipment Washdown/Janitorial		6,200	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**8,600**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
03	Sanitary Or Combined	19F2	327C	Trunk Sewer	Western Mill Creek

Description S to 18" MSD sewer

Sewer Route W to 8' sewer, S on Vandevender to Rutger sewer trunk, N to TP

SAMPLE POINT NO. 003 Ordinance **NPDES Outfall No.**

Description MH by dumpster in alley S of Lindell-48' W, 15' N of NE corner Bldg 14(DeMattias Hall)

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Plant & Equipment Washdown/Janitorial		6,350	GPD		GPD	D	7/2/03
Kitchen Waste		1,600	GPD		GPD	D	7/2/03
Sanitary		12,000	GPD		GPD	D	7/2/03
Non Contact Cooling Water		500	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**20,450**		**Max =**			

SAMPLE POINT NO. 008 Ordinance **NPDES Outfall No.**

Description MH in alley S of Lindell- 36' E, 75' S of SE corner of Humanities Bldg(3800 LIndell)

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Plant & Equipment Washdown/Janitorial		8,300	GPD		GPD	D	7/2/03
Sanitary		23,710	GPD		GPD	D	7/2/03
Kitchen Waste		200	GPD		GPD	D	7/2/03
Non Contact Cooling Water		2,000	GPD		GPD	D	7/2/03
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**34,210**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
06	Sanitary Or Combined	20F2	230C	Trunk Sewer	Western Mill Creek

Description Multiple lines from bldgs on W side of Grand to Laclede

Sewer Route E on Laclede to 96" RCP, S to 7.5' horseshoe trunk, N to treatment plant

SAMPLE POINT NO. 011 Ordinance **NPDES Outfall No.**

Description Flow from NW in manhole in walkway on Laclede at SW corner of Billiken Sports Center

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Non Contact Cooling Water		3,824	GPD		GPD	D	3/27/07
Plant & Equipment Washdown/Janitorial		20,650	GPD		GPD	D	3/27/07
Sanitary		78,108	GPD		GPD	D	3/27/07
Laboratory Waste		1,400	GPD		GPD	D	3/27/07

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **5112134700**

Premise Address 3500 Lindell
St Louis MO. 63103

Kitchen Waste	3,200	GPD		GPD	D	3/27/07
Storm Water	0	GPD		GPD	D	11/24/09
Total Flow Avg =	**107,182**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
08	Sanitary Or Combined	19F3	480C	Trunk Sewer	Western Mill Creek

Description Multiple lines from buildings at Spring Av and alley N of Laclede Av

Sewer Route W to 8' sewer, S on Vandeventer to trunk sewer at Rutger, N to treatment plant

SAMPLE POINT NO. 012 Ordinance **NPDES Outfall No.**

Description Manhole in alley off Laclede, 15' N, 15' E of NE corner of the soccer field at Vandeventer & Laclede

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Plant & Equipment Washdown	Industrial	6,290	GPD		GPD	D	3/27/07
Kitchen Waste		1,250	GPD		GPD	D	3/27/07
Sanitary		10,800	GPD		GPD	D	3/27/07
Storm Water		0	GPD		GPD	D	11/24/09
	Total Flow Avg =	**18,340**		**Max =**			

PRETREATMENT TYPES

SP	EFF_DATE	TYPE	DESCRIPTION
003	07/07/2003	DC28	Grease Trap
008	07/07/2003	DC28	Grease Trap
011	03/27/2007	DC28	Grease Trap
012	03/27/2007	DC28	Grease Trap

PRIORITY POLLUTANTS

Pollutant Description	Status	Pollutant Description	Status	Pollutant Description	Status
2,4-Dinitrotoluene	SP	Di-n-butyl Phthalate	SP	2,6-Dinitrotoluene	SP
2-Nitrophenol	SP	Diethyl Phthalate	SP	1,2-Dichloropropane	SP
1,2-Dichlorobenzene	SP	1,1-Dichloroethane	SP	Ethylbenzene	SP
1,4-Dichlorobenzene	SP	1,1-Dichloroethene	SP	Cyanide (Total)	KP
Asbestos (Fibrous)	KP	Silver (Total)	KP	Selenium (Total)	SP
Copper (Total)	KP	Zinc (Total)	KP	Nickel (Total)	KP
Mercury (Total)	KP	Lead (Total)	KP	Chromium (Total)	KP
Arsenic (Total)	KP	Phenol	SP	Dimethyl Phthalate	SP
2,4-Dinitrophenol	SP	Nitrobenzene	KP	Hexachlorobenzene	SP
Toluene	KP	Methylene Chloride	KP	Chlorobenzene	KP
1,3-Dichlorobenzene	SP	Chloroform	KP	Carbon Tetrachloride	KP
Benzene	KP	1,2-Dichloroethane	SP		

EXTRA STRENGTH SURCHARGE INFORMATION

For Account Number Selecte **5112134700**

Located at 3500 Lindell
St Louis MO 63103

PIMS FACILITY CONTACTS
ST LOUIS UNIVERSITY

Address Type / Contact Type	Contact Name		Contact Title	Phone Type	Number	Ext.
Office Mailing Address						
Office Contact - Primary	Andrew	Reeves	Facilities Supervisor	OFF	(314)977-2069	
Premise Address						
Field Contact - Primary	Renee	Knoll	Chemical Hygiene Officer	OFF	(314)977-6884	
Field Contact 1st Alt	Andrew	Reeves	Facilities Supervisor	OFF	(314)977-2069	

PIMS
REPORT OF FIELD SAMPLING REQUIREMENTS
ST LOUIS UNIVERSITY

Account No Entered **5112134700**

SPN	PREMISE ADDRESS	CITY	ST	ZIP
	3500 Lindell	St Louis	MO	63103

003 Project Code: IM = IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2010
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2010
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2010
	T237000	pH	Once/year	Grab	06/30/2010
	T247000	Temperature	Once/year	Grab	06/30/2010
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2010

007 Project Code: IM = IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2010
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2010
	T237000	pH	Once/year	Grab	06/30/2010
	T247000	Temperature	Once/year	Grab	06/30/2010
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2010

008 Project Code: IM = IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2010
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2010
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2010
	T237000	pH	Once/year	Grab	06/30/2010
	T247000	Temperature	Once/year	Grab	06/30/2010
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2010

011 Project Code: IM = IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2010
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2010
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2010
	T237000	pH	Once/year	Grab	06/30/2010
	T247000	Temperature	Once/year	Grab	06/30/2010
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2010

012 Project Code: IM = IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2010
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2010
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2010
	T237000	pH	Once/year	Grab	06/30/2010
	T247000	Temperature	Once/year	Grab	06/30/2010
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2010

MSD

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560
www.slu.edu

5112 1347-00

SAINT LOUIS
UNIVERSITY

Office of Environmental Safety & Services
Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

January 25, 2010

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period Oct. - Dec. 2009

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
JAN 2 8 2010
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 1/25/10

RECEIVED
JAN 2 8 2010
DIVISION OF
ENVIRONMENTAL COMPLIANCE

MSD

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560
www.slu.edu

5/12 1347-00

SAINT LOUIS
UNIVERSITY

Office of Environmental Safety & Services
Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

Oct. 13, 2009

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period July - Sept. 2009

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
OCT 15 2009
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

[KH] I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

RECEIVED
OCT 15 2009
DIVISION OF
ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 10/13/09

MSD

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560
www.slu.edu

5112134 7-00

SAINT LOUIS
UNIVERSITY

Office of Environmental Safety & Services
Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

July 28, 2009

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period April - June 2009

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Eye Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
JUL 30 2009
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR

M[illegible]ROPOLITAN ST. LOUIS SEWER DISTR[illegible]
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 7/28/09

RECEIVED
JUL 30 2009
DIVISION OF ENVIRONMENTAL COMPLIANCE

MSD

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560
www.slu.edu

51121347-00

SAINT LOUIS
UNIVERSITY

Office of Environmental Safety & Services
Environmental Safety Office (C307)
314-977-8608
CE
Radiation Safety Office (RB5)
314-977-8609

April 20, 2009

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period Jan. - March 2009

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Eye Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
APR 27 2009
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR
5-5

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 4/20/09

RECEIVED
APR 27 2009
DIVISION OF
ENVIRONMENTAL COMPLIANCE

MSD

5 1121347-00

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560
www.slu.edu

SAINT LOUIS
UNIVERSITY

Office of Environmental Safety & Services
Environmental Safety Office (C307)
314-977-8608
Radiation Safety Office (RB5)
314-977-8609

January 20, 2009

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period Oct. - Dec. 2008

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Todd Stirewalt (Anheuser Busch Eye Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
JAN 23 2009
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

RECEIVED
JAN 23 2009
DIVISION OF
ENVIRONMENTAL COMPLIANCE

Title: Health Physicist Telephone: 977-6896

Signature: Date: 1/20/09

MSD
SR

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 10/17/08

RECEIVED
OCT 24 2008
DIVISION OF
ENVIRONMENTAL COMPLIANCE

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560

SAINT LOUIS
UNIVERSITY

Health Sciences Center
Office of Environmental Safety and Services

Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

October 17, 2008

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period July - September 2008

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Tim Hill (Anheuser Busch Eye Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
OCT 24 2008
DIVISION OF
ENVIRONMENTAL COMPLIANCE

M[illegible]ROPOLITAN ST. LOUIS SEWER DISTR[illegible]T **MSD**

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112-1347-00
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) / ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: [signature] Date: 7/16/08

RECEIVED
JUL 21 2008
DIVISION OF ENVIRONMENTAL COMPLIANCE

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560

SAINT LOUIS
UNIVERSITY

Health Sciences Center
Office of Environmental Safety and Services

Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

July 16, 2008

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period April - June 2008

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Tim Hill (Anheuser Busch Eye Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
JUL 21 2008
DIVISION OF
ENVIRONMENTAL COMPLIANCE

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus** 5112-1347-00 ~~(1020-5492-00)~~ AR
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) □(APR-JUNE) □(JULY-SEPT) □(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

RECEIVED
APR 21 2008
DIVISION OF ENVIRONMENTAL COMPLIANCE

Title: Health Physicist Telephone: 977-6896

Signature: Date: 4/16/08

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560

SAINT LOUIS
UNIVERSITY

Health Sciences Center
Office of Environmental Safety and Services

Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

April 16, 2008

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period Jan. - March 2008

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Tim Hill (Anheuser Busch Eye Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
APR 21 2008
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

MSD

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 1/14/08

RECEIVED
JAN 18 2008
DIVISION OF
ENVIRONMENTAL COMPLIANCE

SR
1-22

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560

SAINT LOUIS
UNIVERSITY

Health Sciences Center
Office of Environmental Safety and Services

Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

January 14, 2008

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period Oct. - Dec. 2007

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Tim Hill (Anheuser Busch Eye Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson

Kevin Ferguson
Health Physicist

RECEIVED
JAN 18 2008
DIVISION OF
ENVIRONMENTAL COMPLIANCE

Metropolitan St. Louis Sewer District
Division of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
Phone: 314.768.6200 www.stlmsd.com

MSD

51121347-00

December 18, 2007

Michael G'Sell
ST. LOUIS UNIVERSITY
3500 Lindell
St. Louis, MO 63103

Re: Radioactive Materials Discharge Authorization
3500 Lindell, St. Louis, MO 63103

Dear Mr. G'Sell:

On December 13, 2007, the Metropolitan St. Louis Sewer District adopted new Sewer Use Ordinance No. 12559. This ordinance becomes effective January 1, 2008, and replaces Ordinance No. 8472.

Among the changes in the new ordinance, it updates the restrictions on radioactive materials to the sewer system. The new restrictions more closely parallel State and Federal regulations.

MSD Ordinance No. 12559 limits the discharge of radioactive materials to sewers to what is allowed under your Nuclear Regulatory Commission and/or Missouri Department of Health licenses. The old ordinance restricted the aggregate discharge from all users to one curie/year for each sewage treatment plant. Please note that all radioactive material discharged to the sewer system must continue to be readily soluble or readily dispersible biological material, in water.

If, at any time, the current level of radioactive materials discharge will increase by 20 percent or more, you must notify MSD, in writing at least ten business days prior to the date of the planned increase. This requirement is contained in Article VIII, Section Six of Ordinance No. 12559.

As a condition of the District's approval, you must continue to submit a completed copy of the Radioactive Materials Discharge Report to the District on a quarterly basis. This approval does not relieve you of any requirements set forth under applicable state or federal regulations. In addition, you must continue to meet all provisions of MSD District Ordinance 12559.

Thank you for your assistance in helping us to comply with state and federal regulations. If you have any questions, please call me at 314.436.8717.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Douglas M. Mendoza, P.E.
Manager of Industrial Pretreatment

Enclosure: Ordinance Excerpt
cc: Scott Rehmer

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

MSD

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - N/A
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

PA I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

RECEIVED

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896 OCT 05 2007

Signature: Date: 10/3/07 DIVISION OF ENVIRONMENTAL COMPLIANCE

SR
10-8

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560

SAINT LOUIS
UNIVERSITY

Health Sciences Center
Office of Environmental Safety and Services

Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

October 3, 2007

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period July - Sept. 2007

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Tim Hill (Anheuser Busch Eye Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
OCT 05 2007
DIVISION OF
ENVIRONMENTAL COMPLIANCE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

MSD

PART I: IDENTIFYING INFORMATION No Permit

Company Name: **Saint Louis University, Frost Campus**
Permit No: - 5112134700
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 7/27/07

FIL

SR
8-1

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-977-5560

SAINT LOUIS
UNIVERSITY

Health Sciences Center
Office of Environmental Safety and Services

Environmental Safety Office (C307)
314-977-8608

Radiation Safety Office (RB5)
314-977-8609

July 27, 2007

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period April - June 2007

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Tim Hill (Anheuser Busch Eye Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by Cardinal Glennon) will be incorporated into this report.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
AUG 0 1 2007
DIVISION OF
ENVIRONMENTAL COMPLIANCE

TCB 04/23/07 Rad 55

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

MSD

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -5112134760
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: [signature] Date: 4/19/07

RECEIVED
APR 23 2007
DIVISION OF ENVIRONMENTAL COMPLIANCE

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL FACILITY REINSPECTION REPORT

Company: St. Louis University Account #: 51121347-00
Premise Address: 3500 Lindell Zip Code: 63103-
Last Inspection Date: 6/12/02
MSD Classes: SIU ☐ CIU ☐ Surcharge ☐ Potential Toxic Waste ☒ Non-Toxic Waste ☐
No Process Flow ☐ Multi-User ☐ IIU ☐ Special Handling/Billing ☐
Company Representative: Tom Theurer
Title: Facilities Supervisor Phone#: 314-977-2069
Inspector: J. Goodall
Others Present: Renee Knoll, Chemical Hygiene Officer
Inspection Date: 3/27/07 Time of Inspection: From 09:00 AM To 11:20 AM

NOTE: ALL ITEMS ARE TO BE COMPLETED BASED ON EVENTS SINCE LAST INSPECTION. ANSWERS ARE BASED ON INFORMATION PROVIDED BY COMPANY DURING INSPECTION, AS WELL AS INFORMATION IN FILE.

***** DATABASE ALSO UPDATED WITH APPROPRIATE CHANGES - see attached database reports *****

1. A. ARE THERE ADDITIONAL ACCOUNT NUMBERS? Yes☒ No☐
   List them, note any changes: Added 10243112-00, 10248645-00. Sample point was moved downstream from these buildings.
   B. WERE ALL ACCT NUMBERS VERIFIED AS CORRECT & ACTIVE ON BILLING SYSTEM? Yes☒ No☐

2. PROCESS & CLEANUP/WASHDOWN:

	Cont/ Batch		Water Used?	Frequency of discharge	Sample pt.
Liberal Arts College with biology & chemistry labs	Batch		Yes	Daily	003,007,008 011,012
	(None)		N/A		
	(None)		N/A		
	(None)		N/A		
	(None)		N/A		
	(None)		N/A		

3. PRETREATMENT (other than grease traps) - describe:

	Sample pt.
None	

4. DOES COMPANY HAVE ANY GREASE TRAPS? Yes☒ No☐
   A. List sample points: 003,008,011,012
   B. What is the frequency for cleaning & maintaining the traps? Monthly by Biologix
   C. Are enzymes (not bacteria) used in traps? Yes☐ No☒
   D. If yes to C, was co. told to stop or switch to approved bacteria? NA☐ Yes☐ No☐
   E. Was co. informed that MSD also performs separate grease trap inspections? Yes☒ No☐

5. HAS COMPANY BEGUN DISCHARGING ANY NEW POLLUTANTS SINCE THE LAST INSP? Yes☐ No☒
   A. List pollutants & process: _____
   B. Will MSD STP exceed existing NPDES discharge limit(s)? Yes☐ No☐
   C. Will MSD STP's discharge exceed 0.1 mg/l for any new pollutant? Yes☐ No☐
   (MSD must notify MDNR if B or C is yes and discharge will continue.)
   D. Comments: _____

6. ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS? Yes☐ No☒
   A. If yes, list reg. & describe (including any discharge):
   _____

7. DOES CATEGORICAL WASTEWATER COMBINE WITH NON-CAT. WW PRIOR TO SAMPLING? Yes☐ No☒
   A. At which points? _____
   B. Current applied factor: _____ Is it correct? Yes☐ No☐
   C. If no, what is the correct factor & explain change? _____

8. IS ANY WASTEWATER SUBJECT TO PRODUCTION OR MASS BASED STANDARDS? Yes☐ No☒
   A. At which points? _____
   B. Since calculation of the current limits, has the long term average production rate or discharge volume changed by 20% or more? Yes☐ No☐
   C. If yes, explain: _____

9. ARE ANY RADIOACTIVE MATERIALS HANDLED? Yes☒ No☐
   A. Describe operations & disposal: P-32 materials, solids are handled by STL University Medical School and there has been no liquids generated.
   B. Does company have MSD authorization to disposal to sewer? Yes☒ No☐
   C. Date of Authorization: 4/2/99 Annual amt approved: 1.2mCi
   D. Has company exceeded the approved quantity? Yes☐ No☒
   E. If yes, explain: _____

10. DOES PROCESS or P&E WASHDOWN WATER USE APPEAR EXCESSIVE? Yes☐ No☒
   A. Explain how verified & needed changes: Very large facility and usage appears normal for activities on campus.

11. HAS COMPANY EXCEEDED ORDINANCE DISCHARGE LIMITS SINCE THE LAST INSPECTION OR WITHIN THE LAST 12 MONTHS? Yes☐ No☒
   A. If yes:

Pollutant	When	Sample Points	Is problem resolved? Yes/No	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

   B. Comments: _____

12. HAS COMPANY EXCEEDED CATEGORICAL PRETREATMENT LIMITS SINCE THE LAST INSPECTION OR WITHIN THE LAST 12 MONTHS? NA☒ Yes☐ No☐
   A. If yes:

Pollutant	When	Sample Points	Is problem resolved? Yes/No	Describe
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	
			N/A	

   B. Comments: _____

13. HAVE THERE BEEN ANY PROBLEM DISCHARGES SINCE LAST INSPECTION? Yes☐ No☒
   A. Upsets? ☐ Bypasses of pretreatment facilities? ☐
   Spills? ☐ Slug discharges? ☐ Other? _____
   B. Explain any marked: _____

14. ARE ANY SOLVENTS USED? Yes☒ No☐

A. If yes:

List solvents	Used for?	How disposed?	Priority Pollutant?	413/433/469 Process?
Benzene, toluene, chloroform, meth. chloride	Research lab test extractions	Hauled off	Yes☒ No☐	Yes☐ No☒
Petroleum naphtha	Maintenance parts cleaning	Hauled off	Yes☐ No☒	Yes☐ No☒
			Yes☐ No☐	Yes☐ No☐
			Yes☐ No☐	Yes☐ No☐
			Yes☐ No☐	Yes☐ No☐
			Yes☐ No☐	Yes☐ No☐

15. COULD SPILLS OR LEAKS OF STORED CHEMICALS, WASTES OR PROCESS MATERIALS EASILY REACH SANITARY SEWERS OR STORM DRAINS? Yes☐ No☒

A. If yes, what needs to be done? _____

B. If no, how are they controlled? Lab chemicals are kept in limited quantities and are kept away from floor drains.

16. ARE THERE ANY AREAS WHERE COMPANY ACTIVITIES IMPAIR STORMWATER RUNOFF? Yes☐ No☒

A. If yes, describe: _____

B. What needs to be done? _____

C. Was "Illicit Stormwater Discharges" brochure given to company (regardless of whether there are any problem areas)? Yes☒ No☐

17. DOES COMPANY HAVE ANY SPILL, SLUG OR SOLVENT MANAGEMENT PLANS (SMP)? Yes☐ No☒

A. If yes:

Title	SMP? 413/433		Last Update		Copy in File? (SMP only)	Update needed? Explain if yes
	N/A				N/A	N/A
	N/A				N/A	N/A
	N/A				N/A	N/A

B. Are any Plans needed in addition to those listed in Part A? (write company and request) Yes☐ No☒

18. HAZARDOUS WASTES:

A. Was the company informed/reminded that solid & hazardous waste management regulations (RCRA) exist and may potentially apply to industrial users? Yes☒ No☐

B. Is there any discharge to the sewers of hazardous waste which has not been previously reported to MSD (under 40 CFR 403.12(p))? Yes☐ No☒

C. If yes to B, list haz wastes: _____

D. Was the company provided with a "Public Notice/Haz. Waste Discharge Notification" form for the above regulations (regardless of whether there are any discharges)? Yes☒ No☐

E. Comments: _____

19. ARE EMERGENCY NOTIFICATION PROCEDURES POSTED? Yes☐ No☒

A. Are MSD contacts listed? Yes☐ No☒

B. If no to either, describe how handled: The facility contacts have the MSD response number.

20. IS COMPANY REQUIRED TO SELF-MONITOR ANY OF THEIR DISCHARGES? Yes☐ No☒

A. If yes, requirement is contained in permit ☐ or other document ☐.

B. If other document, date & description: _____

C. How frequently is sampling required? _____

D. How frequently are reports required? _____

E. Have reports been on-time, complete & signed by proper person? Yes☐ No☐

F. If no, explain: _____

21. DOES COMPANY SELF-MONITOR ITS WASTEWATER DISCHARGE? Yes☐ No☒
   A. Is the self-monitoring required by MSD? Yes☐ No☐
   B. Are representative grab/comp samples collected? Yes☐ No☐
   C. Does sample collection time period match company's production shifts (is it representative)? Yes☐ No☐
   D. Are EPA-approved 40 CFR 136 wastewater test methods used? Yes☐ No☐
   E. If no to B, C or D, explain needed changes: _____

22. DOES MSD SPLIT SAMPLES WITH THE COMPANY? Yes☐ No☒
   A. If yes, is company having the samples analyzed Yes☐ No☐
   B. How does company insure proper preservation, holding times & analytical methods? _____
   C. Has company submitted results of all split sample analyses since the last insp? Yes☐ No☐
   D. Have results been submitted within 28 days of the calendar quarter of collection? Yes☐ No☐
   E. If no to C or D, explain: _____
   F. Does company still want to split samples? Yes☐ No☐
   G. Comments: _____

23. IS COMPANY UNDER ANY ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS TO SUBMIT COMPLIANCE SCHEDULE REPORTS? Yes☐ No☒
   A. If yes, type and date: _____
   B. Have the reports & actions been on-time & complete? Yes☐ No☐
   C. If no, explain: _____

24. IS COMPANY SUBJECT TO NESHAP REGS? Yes☐ No☒
   A. If yes, is company violating NESHAP regs? (ask company) Yes☐ No☐
   B. If yes to A, describe: _____
   C. If yes to A,was MDNR Air Pollution Control informed? (must be done) Yes☐ No☐

25. DO MSD CLASSIFICATIONS NEED TO BE REVISED? Yes☐ No☒
   A. Indicate correct classifications:
   SIU ☐ CIU ☐ Surcharge ☐ Potential Toxic Waste ☐ Non-Toxic Waste ☐
   No Process Flow ☐ Multi-User ☐ IIU ☐ Special Handling/Billing ☐
   B. Explain changes: _____

26. SAMPLE POINTS

						DJ(y/n)
SP #	003	Fed.Reg.	N/A	Components:	Sanitary + NCCW + janitorial + hospital waste	No
SP #	007	Fed.Reg.	N/A	Components:	Sanitary + NCCW + janitorial	No
SP #	008	Fed.Reg.	N/A	Components:	Sanitary + NCCW + janitorial + kitchen waste	No
SP #	011	Fed.Reg.	N/A	Components:	Sanitary + NCCW + janitorial + lab waste + kitchen waste	No
SP #	012	Fed.Reg.	N/A	Components:	Sanitary + janitorial + kitchen waste	No

27. ANY UNSAMPLED DISCHARGES? (list each lateral separately) Yes☐ No☒

Dummy SP #		Components:	
Dummy SP #		Components:	

28. WERE ALL SAMPLE POINTS OPENED AND INSPECTED? Yes☒ No☐
   A. If any SPs cannot be located or opened, explain: _____
   B. If any SP descript's need to be changed, explain: _____
   C. Was ANY grease or other problem/debris observed in any SP? Yes☐ No☒
   D. If yes to C, list SPs & describe: _____
   E. If yes to C, was company directed to take corrective actions? Yes☐ No☐

29. REVIEW THE SAMPLE POINT MAP! Last map revision date: 6/30/03

A. Is the map correct and accurate in all its details? Yes☐ No☒

B. If no, what changes are needed? Delete SP006 & replace with SP011, delete SP009,SP010 & replace with SP012

USE THIS SPACE FOR ANY OTHER COMMENTS/OBSERVATIONS PERTINENT TO YOUR INSPECTION OF THIS SITE.
Naphthalene is not used at this facility. It was mistakenly identified as a parts cleaner. PIMS was updated.

MSD 039154

Utility Contacts by Account - MSD - CMSD4010 - M[illegible]OPOLITAN SEWER DISTRICT - M...

File Edit View Functions Go Path Help

Path | Current Account # | Name

Billed Usage | Owner Hist List | Account Svc Lst | Third Party Lst | Credit History | Misc Chrg List | Fixed Chrg List | UC List/Acct # | Ledger Info | Aging Display | Acct Dates | Usage Hist Comp | $$$ Hist Comp | WCI Common Use

Premises # 10243112

Service Address 3821 LACLEDE AVE

Current Customer #

Date	Type	Frq	Days	Imp Usage	Usage	UOM
2/06/1996	E	Q	91	.00	.00	100CF
11/03/1995	A	Q	91	190.00	190.00	100CF
8/02/1995	A	Q	91	130.00	130.00	100CF
5/02/1995	A	Q	91	130.00	130.00	100CF
2/02/1995	A	Q	91	33.00	33.00	100CF
11/02/1994	A	Q	91	50.00	50.00	100CF
8/03/1994	A	Q	91	40.00	40.00	100CF
5/04/1994	A	Q	91	35.00	35.00	100CF
2/02/1994	A	Q	91	30.00	30.00	100CF

Refresh | Select

OK | Cancel

5112 1387-02

$483 \times 748 = 361284 / 365 = 990$

ADD TO
SP 012

Utility Contacts by Account - MSD - CMSD4010 - [redacted]OPOLITAN SEWER DISTRICT - M...

File Edit View Functions Go Path Help

Path Current Account # 251621-9 Name ST LOUIS UNIVERSITY

Billed Usage | Owner Hist List | Account Svc Lst | Third Party Lst | Credit History | Misc Chrg List | Fixed Chrg List | UC List/Acct # | Ledger Info | Aging Display | Acct Dates | Usage Hist Comp | $$$ Hist Comp | WCI Common Use |

Premises # 10248645

Service Address 3741 LACLEDE AVE

Current Customer # 3462050-0

Date	Type	Frq	Days	Imp Usage	Usage	UOM
2/01/2007	A	Q	92	32.00	32.00	
11/01/2006	A	Q	90	52.00	52.00	
8/03/2006	A	Q	79	33.00	33.00	
5/16/2006	A	Q	99	6.00	6.00	
2/06/2006	A	Q	96	41.00	41.00	
11/02/2005	A	Q	92	33.00	33.00	
8/02/2005	A	Q	91	9.00	9.00	
5/03/2005	A	Q	90	25.00	25.00	
2/02/2005	A	Q	90	24.00	24.00	

Refresh Select

OK Cancel

51250265-03

$123 \times 748 = 92004 / 365 = 250$

ADD TO SP012

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **5112134700**

Premise Address 3500 Lindell
St Louis MO. 63103

INDUSTRIAL USER CLASSIFICATIONS

05/26/1999 PTW

WUNNENBERG INFO.

Base Map 19F4
Wun: St. Louis City & Co.
Grid: H 20 Page 27

SIU CRITERIA

GENERAL INFORMATION

Office Mailing Address
3500 Lindell
St Louis, MO. 63103

INSPECTION INFORMATION

Next Due	Insp Rslt	
03/27/2007	RIN	James Goodall

PERMIT INFORMATION

Issue Date:
Expire Date:
Extended Date:
Writer

IUQ INFORMATION

IUQ Recvd Date: 07/03/2003
Reviewer: James Goodall

CONTACTS

FLD1	Tom Theurer	Faciities Supervisor	OFF	(314) 977-2069 Ext.
FLD2	Renee Knoll	Chemical Hygiene Officer	OFF	(314) 977-6884 Ext.
OFF1	Michael G'Sell	Director of Building Services	OFF	(314) 977-2954 Ext.

OPERATIONAL INFORMATION

Work Days: 7

				S	M	T	W	T	F	S
1	1,680	08:00AM	8.0	Y	Y	Y	Y	Y	Y	Y
2	100	04:00PM	8.0	Y	Y	Y	Y	Y	Y	Y
3	50	12:00AM	8.0	Y	Y	Y	Y	Y	Y	Y

Total Emp: 1,830 **Hrs:** 24.0

NON-SEWERED WASTE

On-Site Storage	On-Site Disposal	Off-Site Disposal

OTHER AGENCIES INFORMATION

06/02/1999	MDNR - Hazardous Waste Program	001467
06/03/1999	EPA - Hazardous Waste Program	MOD981120603
09/28/2005	MSD - Billing Account Number	00246007
09/28/2005	MSD - Billing Account Number	00246051
09/28/2005	MSD - Billing Account Number	00246104
09/28/2005	MSD - Billing Account Number	00246105
09/28/2005	MSD - Billing Account Number	00246108
09/28/2005	MSD - Billing Account Number	00246103
09/28/2005	MSD - Billing Account Number	00246106
09/28/2005	MSD - Billing Account Number	00246016
09/28/2005	MSD - Billing Account Number	00247096
09/28/2005	MSD - Billing Account Number	00247144
09/28/2005	MSD - Billing Account Number	00247228
09/28/2005	MSD - Billing Account Number	00467801
08/21/2006	MSD - Billing Account Number	00473614

COMMENTS

RAW MATERIALS

EFF DATE	MATERIAL_DESCRIPTION	QUANTITY	UNIT

SIC INFORMATION

SIC	DESCRIPTION
8221	Colleges, Universities & Professional Schools

PRODUCTS

EFF	DESCRIPTION	UNIT	AVG_PROD	MAX_PROD
05/07/2004	Educational services			

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **5112134700**

Premise Address 3500 Lindell
St Louis MO. 63103

SEWER ACCOUNTS

Sewer Accounts
5112134700
1024311200
1024864500
5112119505
5112129001
5112142606
5112142702
5112142903
5112143002
5112143201
5112378203
5112387901
5112409900
9011636101
9012272501

WATER CONSUMPTION AND WASTEWATER DISCHARGE

Start Date = 01/01/2006 **End Date =** 04/26/2007 **Wdays** **Cdays**

Acct. No.			Consumption					Discharge	
5112119505			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112119505	11/03/2005	02/06/2006	310	310	A	96	96	96	
5112119505	02/07/2006	05/01/2006	300	610		84	84	180	
5112119505	05/02/2006	08/01/2006	440	1,050		92	92	272	
5112119505	08/02/2006	11/01/2006	430	1,480		92	92	364	
5112119505	11/02/2006	02/01/2007	340	1,820		92	92	456	
RF	1.00	**Acct. Total**	1,820	1,361,455		456	456	2,986	2,986
5112129001			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112129001	11/23/2005	02/07/2006	0	0	A	77	77	77	
5112129001	02/08/2006	05/12/2006	1,140	1,140		94	94	171	
5112129001	05/13/2006	08/07/2006	2,190	3,330		87	87	258	
5112129001	08/08/2006	11/16/2006	3,700	7,030		101	101	359	
5112129001	11/17/2006	02/12/2007	2,652	9,682		88	88	447	
RF	0.95	**Acct. Total**	9,682	7,242,639		447	447	15,393	15,393
5112134700			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112134700	11/02/2005	02/02/2006	15,109	15,109	A	93	93	93	
5112134700	02/03/2006	05/03/2006	20,427	35,536		90	90	183	
5112134700	05/04/2006	08/01/2006	37,809	73,345		90	90	273	
5112134700	08/02/2006	11/02/2006	42,259	115,604		93	93	366	
5112134700	11/03/2006	02/02/2007	17,253	132,857		92	92	458	
RF	0.80	**Acct. Total**	132,857	99,383,945		458	458	173,596	173,596
5112142606			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112142606	11/03/2005	02/06/2006	200	200	A	96	96	96	
5112142606	02/07/2006	05/02/2006	240	440		85	85	181	
5112142606	05/03/2006	08/01/2006	470	910		91	91	272	
5112142606	08/02/2006	11/01/2006	280	1,190		92	92	364	
5112142606	11/02/2006	02/01/2007	110	1,300		92	92	456	
RF	1.00	**Acct. Total**	1,300	972,468		456	456	2,133	2,133
5112142702			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112142702	11/02/2005	02/06/2006	60	60	A	97	97	97	
5112142702	02/07/2006	05/02/2006	110	170		85	85	182	
5112142702	05/03/2006	08/01/2006	420	590		91	91	273	
5112142702	08/02/2006	11/01/2006	450	1,040		92	92	365	
5112142702	11/02/2006	02/01/2007	60	1,100		92	92	457	
RF	1.00	**Acct. Total**	1,100	822,857		457	457	1,801	1,801
5112142903			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112142903	11/02/2005	02/06/2006	90	90	A	97	97	97	
5112142903	02/07/2006	05/16/2006	190	280		99	99	196	
5112142903	05/17/2006	08/01/2006	100	380		77	77	273	
5112142903	08/02/2006	11/17/2006	150	530		108	108	381	
5112142903	11/18/2006	02/20/2007	130	660		95	95	476	
RF	1.00	**Acct. Total**	660	493,714		476	476	1,037	1,037
5112143002			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112143002	11/16/2005	02/10/2006	100	100	A	87	87	87	
5112143002	02/11/2006	05/12/2006	2,120	2,220		91	91	178	
5112143002	05/13/2006	08/01/2006	111	2,331		81	81	259	
5112143002	08/02/2006	11/01/2006	120	2,451		92	92	351	
5112143002	11/02/2006	02/01/2007	70	2,521		92	92	443	
RF	1.00	**Acct. Total**	2,521	1,885,839		443	443	4,257	4,257
5112143201			**CCF's**	**Gallons**				**Gal/ Wday**	**Gal/ Cday**
5112143201	11/02/2005	02/06/2006	10	10	A	97	97	97	

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **5112134700**

Premise Address 3500 Lindell
St Louis MO. 63103

5112143201	02/07/2006	05/17/2006	80	90	A	100	100	197			
5112143201	05/18/2006	08/01/2006	50	140		76	76	273			
5112143201	08/02/2006	11/17/2006	30	170		108	108	381			
5112143201	11/18/2006	02/23/2007	41	211		98	98	479			
RF	1.00	**Acct. Total**	211	157,839		479	479	330	330		
5112378203			**CCF's**	**Gallons**				**Gal/ Wdav**	**Gal/ Cdav**		
5112378203	11/03/2005	02/06/2006	20	20	A	96	96	96			
5112378203	02/07/2006	05/11/2006	150	170		94	94	190			
5112378203	05/12/2006	08/01/2006	790	960		82	82	272			
5112378203	08/02/2006	11/09/2006	650	1,610		100	100	372			
5112378203	11/10/2006	02/01/2007	10	1,620		84	84	456			
RF	0.03	**Acct. Total**	1,620	1,211,844		456	456	80	80		
5112387901			**CCF's**	**Gallons**				**Gal/ Wdav**	**Gal/ Cdav**		
5112387901	11/03/2005	02/06/2006	80	80	A	96	96	96			
5112387901	02/07/2006	05/01/2006	170	250		84	84	180			
5112387901	05/02/2006	08/02/2006	690	940		93	93	273			
5112387901	08/03/2006	11/01/2006	590	1,530		91	91	364			
5112387901	11/02/2006	02/01/2007	70	1,600		92	92	456			
RF	1.00	**Acct. Total**	1,600	1,196,883		456	456	2,625	2,625		
5112409900			**CCF's**	**Gallons**				**Gal/ Wdav**	**Gal/ Cdav**		
5112409900	11/03/2005	02/10/2006	80	80	A	100	100	100			
5112409900	02/11/2006	05/12/2006	100	180		91	91	191			
5112409900	05/13/2006	08/09/2006	40	220		89	89	280			
5112409900	08/10/2006	11/01/2006	80	300		84	84	364			
5112409900	11/02/2006	02/01/2007	70	370		92	92	456			
RF	1.00	**Acct. Total**	370	276,779		456	456	607	607		
9011636101			**CCF's**	**Gallons**				**Gal/ Wdav**	**Gal/ Cdav**		
9011636101	11/03/2005	02/06/2006	180	180	A	96	96	96			
9011636101	02/07/2006	05/01/2006	680	860		84	84	180			
9011636101	05/02/2006	08/01/2006	2,210	3,070		92	92	272			
9011636101	08/02/2006	11/02/2006	1,520	4,590		93	93	365			
9011636101	11/03/2006	02/01/2007	210	4,800		91	91	456			
RF	0.73	**Acct. Total**	4,800	3,590,650		456	456	5,748	5,748		
9012272501			**CCF's**	**Gallons**				**Gal/ Wdav**	**Gal/ Cdav**		
9012272501	11/18/2005	02/10/2006	4,200	4,200	A	85	85	85			
9012272501	02/11/2006	05/12/2006	4,000	8,200		91	91	176			
9012272501	05/13/2006	08/21/2006	11,700	19,900		101	101	277			
9012272501	08/22/2006	11/27/2006	9,410	29,310		98	98	375			
9012272501	11/28/2006	02/12/2007	3,690	33,000		77	77	452			
RF	1.00	**Acct. Total**	33,000	24,685,716		452	452	54,614	54,614		
		Facility Total	191,541								

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **5112134700**

Premise Address 3500 Lindell
St Louis MO. 63103

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
01	Sanitary Or Combined	20F2	275C	Trunk Sewer	Old Mill Creek

Description E from buildings on E side of Grand to MS

Sewer Route E in 2' x 3' sewer to 96" sewer at Channing

SAMPLE POINT NO. 007 Ordinance **NPDES Outfall No.**

Description MH in sidewalk 90' W of parking garage at Olive Street, 165' S of Lindell Bl

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Non Contact Coolir		500	GPD		GPD	D	7/2/03
Plant & Equipment	Janitorial	6,200	GPD		GPD	D	7/2/03
Sanitary		1,900	GPD		GPD	D	7/2/03
	Total Flow Avg =	**8,600**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
03	Sanitary Or Combined	19F2	327C	Trunk Sewer	Old Mill Creek

Description S to 18" MSD sewer

Sewer Route W to 8' sewer, S on Vandevender to Rutge

SAMPLE POINT NO. 003 Ordinance **NPDES Outfall No.**

Description MH by dumpster in alley S of Lindell-48' W, 15' N of NE corner Bldg 14(DeMattias Hall)

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Non Contact Coolir		500	GPD		GPD	D	7/2/03
Plant & Equipment	Janiatorial	6,350	GPD		GPD	D	7/2/03
Sanitary		12,000	GPD		GPD	D	7/2/03
Hospital Waste		1,600	GPD		GPD	D	7/2/03
	Total Flow Avg =	**20,450**		**Max =**			

SAMPLE POINT NO. 008 Ordinance **NPDES Outfall No.**

Description MH in alley S of Lindell- 36' E, 75' S of SE corner of Humanities Bldg(3800 LIndell)

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Non Contact Coolir		2,000	GPD		GPD	D	7/2/03
Plant & Equipment	Janitorial	8,300	GPD		GPD	D	7/2/03
Sanitary		23,710	GPD		GPD	D	7/2/03
Kitchen Waste		200	GPD		GPD	D	7/2/03
	Total Flow Avg =	**34,210**		**Max =**			

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
06	Sanitary Or Combined	20F2	230C	Trunk Sewer	Old Mill Creek

Description Multiple lines from bldgs on W side of Gr

Sewer Route E on Laclede to 96" RCP, S to 7.5' horsesh

SAMPLE POINT NO. 011 Ordinance **NPDES Outfall No.**

Description Flow from NW in manhole in walkway on Laclede at SW corner of Billiken Sports Center

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Non Contact Coolir		3,824	GPD		GPD	D	3/27/07
Plant & Equipment	janitorial	20,650	GPD		GPD	D	3/27/07
Sanitary		78,108	GPD		GPD	D	3/27/07
Laboratory Waste		1,400	GPD		GPD	D	3/27/07
Kitchen Waste		3,200	GPD		GPD	D	3/27/07
	Total Flow Avg =	**107,182**		**Max =**			

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME **ST LOUIS UNIVERSITY**
PRIMARY MSD ACCOUNT NO. **5112134700**

Premise Address 3500 Lindell
St Louis MO. 63103

CONNECTION and SAMPLE POINT INFORMATION

LATERAL NO.	Lateral Type	DSMH		Treatment Area	Bissell Point
08	Sanitary Or Combined	19F3	480C	Trunk Sewer	Old Mill Creek

Description Multiple lines from buildings at Spring Av

Sewer Route W to 8' sewer, S on Vandeventer to trunk s

SAMPLE POINT NO. 012 Ordinance **NPDES Outfall No.**

Description Manhole in alley off Laclede, 15' N, 15' E of NE corner of the soccer field at Vandeventer & Laclede

Discharge Components	Process Description	Avg Flow	Unit	Max Flow	Unit	RUD	Effective Date
Plant & Equipment	janitorial	6,290	GPD		GPD	D	3/27/07
Kitchen Waste		1,250	GPD		GPD	D	3/27/07
Sanitary		10,800	GPD		GPD	D	3/27/07
	Total Flow Avg =	**18,340**		**Max =**			

PRETREATMENT TYPES

SP	EFF DATE	TYPE	DESCRIPTION
003	07/07/2003	DC28	Grease Trap
008	07/07/2003	DC28	Grease Trap
011	03/27/2007	DC28	Grease Trap
012	03/27/2007	DC28	Grease Trap

PRIORITY POLLUTANTS

Pollutant Description	Status	Pollutant Description	Status	Pollutant Description	Status
2,4-Dinitrotoluene	SP	Di-n-butyl Phthalate	SP	2,6-Dinitrotoluene	SP
2-Nitrophenol	SP	Diethyl Phthalate	SP	1,2-Dichloropropane	SP
1,2-Dichlorobenzene	SP	1,1-Dichloroethane	SP	Ethylbenzene	SP
1,4-Dichlorobenzene	SP	1,1-Dichloroethene	SP	Cyanide (Total)	KP
Asbestos (Fibrous)	KP	Silver (Total)	KP	Selenium (Total)	SP
Copper (Total)	KP	Zinc (Total)	KP	Nickel (Total)	KP
Mercury (Total)	KP	Lead (Total)	KP	Chromium (Total)	KP
Arsenic (Total)	KP	Phenol	SP	Dimethyl Phthalate	SP
2,4-Dinitrophenol	SP	Nitrobenzene	KP	Hexachlorobenzene	SP
Toluene	KP	Methylene Chloride	KP	Chlorobenzene	KP
1,3-Dichlorobenzene	SP	Chloroform	KP	Carbon Tetrachloride	KP
Benzene	KP	1,2-Dichloroethane	SP		

EXTRA STRENGTH SURCHARGE INFORMATION

For Account Number **5112134700**

PIMS FACILITY CONTACTS
ST LOUIS UNIVERSITY

Located at 3500 Lindell
St Louis MO 63103

Address Type

Contact Type	Contact Name		Contact Title	Phone	Number	Ext.
Office Mailing Address						
Office Contact - Primary	Michael	G'Sell	Director of Building Services	OFF	(314)977-2954	
Premise Address						
Field Contact - Primary	Tom	Theurer	Faciities Supervisor	OFF	(314)977-2069	
Field Contact 1st Alt	Renee	Knoll	Chemical Hygiene Officer	OFF	(314)977-6884	

PIMS
RE RT OF FIELD SAMPLING REQUIREME
ST LOUIS UNIVERSITY

Account No Entered **5112134700**

SPN	PREMISE ADDRESS	CITY	ST	ZIP
	3500 Lindell	St Louis	MO	63103

003 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2007
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2007
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2007
	T237000	pH	Once/year	Grab	06/30/2007
	T247000	Temperature	Once/year	Grab	06/30/2007
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2007

007 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2007
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2007
	T237000	pH	Once/year	Grab	06/30/2007
	T247000	Temperature	Once/year	Grab	06/30/2007
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2007

008 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2007
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2007
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2007
	T237000	pH	Once/year	Grab	06/30/2007
	T247000	Temperature	Once/year	Grab	06/30/2007
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2007

011 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2007
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2007
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2007
	T237000	pH	Once/year	Grab	06/30/2007
	T247000	Temperature	Once/year	Grab	06/30/2007
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2007

012 Project Code: IM= IPD - Company - MSD

Pollutant Group	Poll Code	Pollutant Description	Frequency	Sample Type	End Date
	T208000	Biochemical Oxygen Demand (5 Day)	Once/year	Comp-Time 04 Hrs	06/30/2007
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs	06/30/2007
	T234000	Oil and Grease (Total)	Once/year	Grab	06/30/2007
	T237000	pH	Once/year	Grab	06/30/2007
	T247000	Temperature	Once/year	Grab	06/30/2007
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs	06/30/2007

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT **MSD**

TCS 01/29/07 SS

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112134700
Premise No: **3505 Laclede Avenue 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 1/22/07

RECEIVED JAN 24 2007 DIVISION OF ENVIRONMENTAL COMPLIANCE

/FG

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT MSD

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: - 5112134700
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

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RECEIVED
OCT 16 2006
DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 10/12/06

MSD /K

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University Health Sciences Center; Pediatric Research Institute**
Permit No: -
Premise No: **3662 Park Avenue, 63104**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

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RECEIVED OCT 16 2006 DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 10/12/06

METROPOLITAN ST. LOUIS SEWER DISTRICT MSD

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University, Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
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RECEIVED
JUL 10 2006
DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 7/5/06

√FG

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

MSD

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

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Print/type name of signing official: Kevin Ferguson

RECEIVED
JAN 20 2006
DIVISION OF
ENVIRONMENTAL COMPLIANCE

Title: Health Physicist Telephone: 977-6896

Signature: Kevin Ferguson Date: 1/18/06

IND

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: [signature] Date: 10/18/05

IND

/R

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

RECEIVED
JUL 19 2005
DIVISION OF
ENVIRONMENTAL COMPLIANCE

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Kevin Ferguson Date: 7/14/05

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 4/20/05

RECEIVED APR 25 2005 DIVISION OF ENVIRONMENTAL QUALITY

MSD TCB 01/27/05 Radiss ✓

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus** 51121347 00
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

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Print/type name of signing official: Kevin Ferguson

RECEIVED JAN 27 2005 DIVISION OF ENVIRONMENTAL COMPLIANCE

Title: Health Physicist Telephone: 977-6896

Signature: Date: 1/20/05

MSD

4CB 10/26/04 Rad DE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

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TOTAL ACTIVITY DISCHARGED:	0

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 10/20/04

RECEIVED OCT 21 2004 DIVISION OF ENVIRONMENTAL COMPLIANCE

MSD

ENVIRONMENTAL COMPLIANCE

DEPARTMENT MEMO

TO: St. Louis University File

ACCT#: 51121347-00

FROM: Jim Goodall

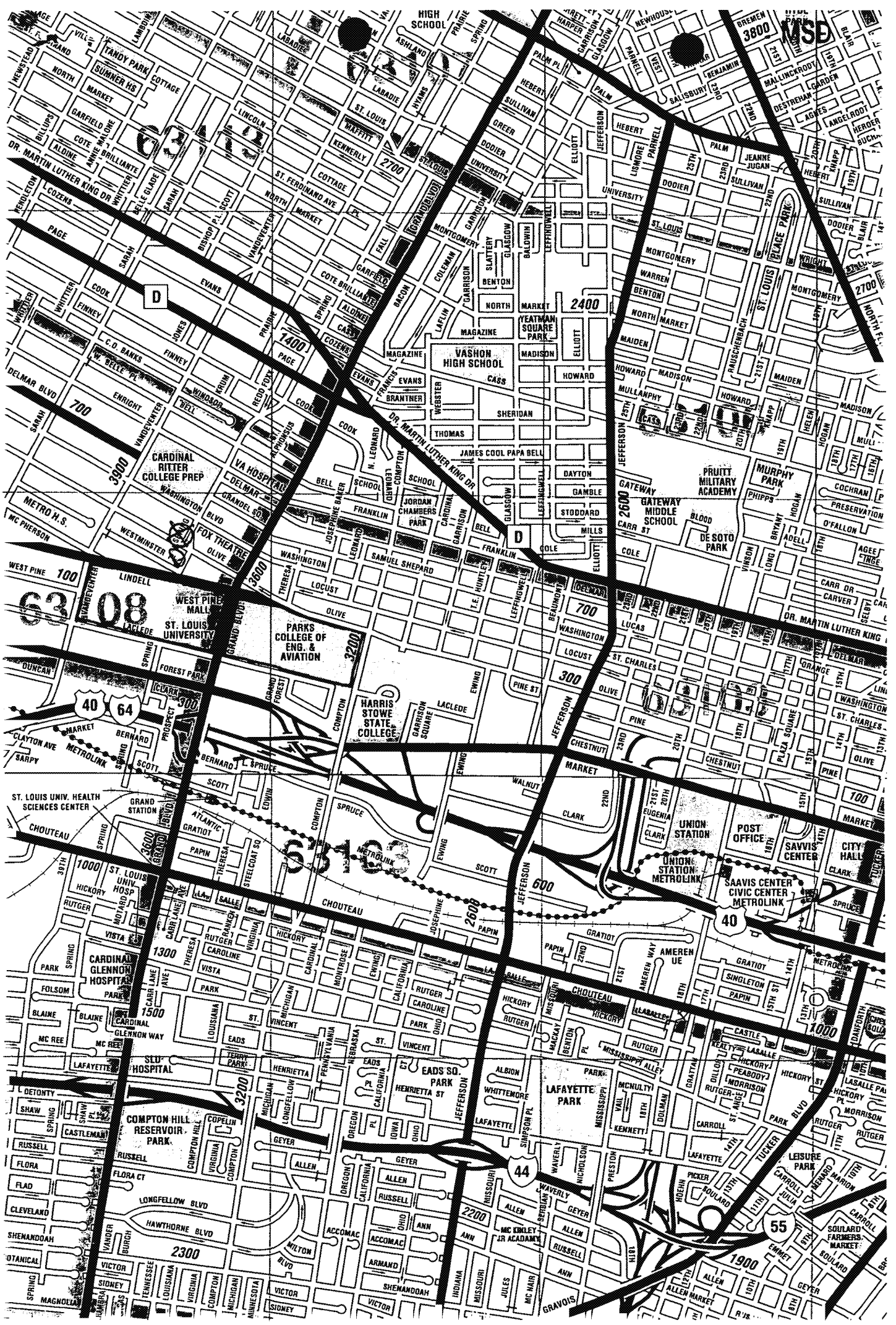
DATE: 9/30/04

RE: Active sewer accounts owned by St. Louis University

The following sewer accounts were identified under St. Louis University by Tom Boehm during a review of Billing Changes.

51123329-04, 51123714-05, 90081554-01, 51124078-01, 51124245-01, 51120798-03, 51120800-03, 51120833-05, 51121173-05, 51121192-01, 51121346-03, 51121359-00, 51121370-05, 51121392-05, 90120142-02, 51121468-02, 51121556-00, 51121563-02

None of these accounts appear to have any connection to the university activities we're interested in. I plotted their locations and only one (Pasta House) is on the campus. The others appear to be rental property acquisitions that range from service operations to student housing.


MSD
63108
63113
63103
D
D
D
40
64
40
44
55
CARDINAL RITTER COLLEGE PREP
VA HOSPITAL
METRO H.S.
FOX THEATRE
WEST PINE MALL
ST. LOUIS UNIVERSITY
PARKS COLLEGE OF ENG. & AVIATION
HARRIS STOWE STATE COLLEGE
ST. LOUIS UNIV. HEALTH SCIENCES CENTER
GRAND STATION
ST. LOUIS UNIV. HOSP
CARDINAL GLENNON HOSPITAL
SLU HOSPITAL
COMPTON HILL RESERVOIR PARK
VASHON HIGH SCHOOL
YEATMAN SQUARE PARK
JAMES COOL PAPA BELL
JORDAN CHAMBERS PARK
GATEWAY MIDDLE SCHOOL
PRUITT MILITARY ACADEMY
MURPHY PARK
DE SOTO PARK
PLACE PARK
UNION STATION
UNION STATION METROLINK
POST OFFICE
SAVVIS CENTER
CITY HALL
SAAVIS CENTER CIVIC CENTER METROLINK
AMEREN UE
EADS SQ. PARK
LAFAYETTE PARK
LEISURE PARK
SOULARD FARMERS MARKET
MC KINLEY JR ACADAMY
METROLINK
DR. MARTIN LUTHER KING DR
GRAND BLVD
JEFFERSON
CHOUTEAU
MARKET
OLIVE
LOCUST
WASHINGTON
FRANKLIN
LACLEDE
ST. LOUIS
MONTGOMERY
WARREN
BENTON
NORTH MARKET
MAGAZINE
MADISON
HOWARD
CASS
SHERIDAN
THOMAS
DAYTON
GAMBLE
STODDARD
MILLS
COLE
LINDELL
WEST PINE
DELMAR
FOREST PARK
CLARK
PROSPECT
BERNARD
SCOTT
SPRUCE
WALNUT
PINE
CHESTNUT
EUGENIA
GRATIOT
PAPIN
SINGLETON
CASTLE
LASALLE
HICKORY
RUTGER
CAROLINE
VISTA
PARK
FOLSOM
BLAINE
MC REE
LAFAYETTE
ALLEN
GEYER
RUSSELL
FLORA
LONGFELLOW BLVD
HAWTHORNE BLVD
SHENANDOAH
VICTOR
SIDNEY
MAGNOLIA
CARROLL
MARION
EMMET
GRAVOIS
ALLEN MARKET
SOULARD
CLEVELAND
FLAD
CASTLEMAN
SHAW
DETONTY
MC NULTY
KENNETT
CARROLL
PICKER
HOEHN
TUCKER
PARK BLVD
ST. LOUIS
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MSD 039175

MSD

1402 South Grand Blvd., C-307
St. Louis, MO 63104-1085
Phone: 314-577-8608
Fax: 314-268-5560

SAINT LOUIS UNIVERSITY

Institutional Biosafety Committee

File IND
St. Louis U.
Frost Campus
#5912 1347-00

July 26, 2004

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period April - June 2004

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Philip Van Cleave (Anheuser Busch Eye Institute, Saint Louis University Hospital).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by our office) will be incorporated in the report filed with your office by Cardinal Glennon Hospital. Consequently, there is no report included for Cardinal Glennon Hospital with this letter.

If you have any questions regarding these reports, please contact me at 977-6896.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
AUG 0 2 2004
DIVISION OF
ENVIRONMENTAL COMPLIANCE

MSD

YCB 08/10/04 Rad ✓

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

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RECEIVED
AUG 0 2 2004
DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Date: 7/26/04

MSD

1402 South Grand Blvd., C-307

St. Louis, MO 63104-1085

Phone: 314-577-8608

Fax: 314-268-5560

SAINT LOUIS
UNIVERSITY

Institutional Biosafety Committee

File IND

St. Louis Ch. Hospital Surgical Center

#41123572-00

July 26, 2004

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

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Health Physicist

RECEIVED
AUG 0 2 2004
DIVISION OF
ENVIRONMENTAL COMPLIANCE

MSD

TCD 08/10/04 Rad ✓

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University Health Sciences Center; Medical School**
Permit No: - No Permit
Premise No: **3555 Vista Avenue / 1402 South Grand Boulevard, 63104**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

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B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

RECEIVED AUG 02 2004 DIVISION OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 977-6896

Signature: Kevin Ferguson Date: 7/26/04

MSD

IND. FILE

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Date: 4/30/04

RECEIVED
APR 21 2004
DIVISION OF
ENVIRONMENTAL COMPLIANCE

MSD

IND

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: [signature] Date: 1/21/04

OFFICE OF ENVIRONMENTAL COMPLIANCE
MEMORANDUM

MEMO TO: Doug Mendoza

ACCT #: Multiple

FROM: Tom Boehm

DATE: November 17, 2003

SUBJECT: **Active Sewer Accounts Not on SLU ECIMS Accounts**

During review of the Billing Changes Report, I noticed that some of these accounts did not appear in ECIMS as primary or secondary accounts. Many were listed in ECIMS, but the attached were not part of the 5 accounts (and 1 Spec Disch acct) under St L University.

Industrial User List

Industry ID	Industry Name	Industry Type
51121347-00	ST LOUIS UNIVERSITY	Industrial User
41123592-00	ST LOUIS UNIVERSITY HEALTH SCIENCES CENTER	Industrial User
41121936-00	ST LOUIS UNIVERSITY HEALTH SCIENCES CENTER	Industrial User
90120264-01	ST LOUIS UNIVERSITY HOSPITAL	Spec Disc - On-site
41121951-00	ST LOUIS UNIVERSITY HOSPITAL	Industrial User
41121958-00	ST LOUIS UNIVERSITY STORAGE BLDG	Industrial User

Captured by SnagIt
Buy now to prevent this tag
www.techsmith.com

M:\memo\.St. L U acct #s from billing changes.doc

IND

MSD

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Print/type name of signing official: Kevin Ferguson

RECEIVED

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 10/27/03 OCT 29 2003

MEMO TO: IU File – St. Louis University, 3500 Lindell, 5112-1347-00

FROM: Paul L. Taylor

DATE: October 3, 2003

SUBJECT: New account entered in ECIMS

The following related accounts have been added to ECIMS as a result of Return Factor investigations.

Account #5112-3782-03 for premise 338 Olive St.
Account #9012-2725-01 for premise 115 N Compton Ave.

If you have any questions, please call me at 436-8763.

bv

JNP MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
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RECEIVED JUL 28 2003

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Date: 7/24/03

Metropolitan St. Louis Sewer District
2000 Hampton Avenue
St. Louis, MO 63139-2979
(314) 768-6200

5/12/1347-00

IND

APPROVAL DATE: August 29, 2002
MSD Reference No.: P-0004025-01
County PAC No.:

MSD

on ECIMS

PROJECT TITLE: C.B. 1956 (ST. LOUIS UNIVERSITY BUSCH MEMORIAL CENTER RENOVATION)

Site Address: 40 N. Grand, 63103

Plan Status: Addendum to Plans Approved, 01/25/1965

On this date the above referenced plans have been approved for construction work relating to these items:

(X) Storm Sewers (X) Combined Sewers ( ) Sanitary Sewers (X) Miscellaneous MSD Inspection
( ) Detention Basin ( ) Pump Station and Force Main (X) House Connection Only

The following Permit will be required from MSD for this work:
( ) Construction (X) House Connection (X) Misc. MSD Inspection ( ) No MSD Permit

****
(X) **NO OCCUPANCY PERMITS** ARE TO BE ISSUED UNTIL MSD CONSTRUCTION APPROVAL OF THIS WORK
****

Prior to the issuance of the required Permit the following fees must be paid and documents executed by the Project Owner:

( ) As-Built Deposit in the amount of N/A.
(Deposit may be paid by cash or personal check made payable to the Metropolitan St. Louis Sewer District).

( ) Construction Escrow Deposit in the amount of N/A.
(Deposit must be in a form of cash or a **cashier's check** payable to the Metropolitan St. Louis Sewer District).

( ) Pump Station Construction Escrow Deposit in the amount of N/A.
(Deposit must be in a form of cash or a **cashier's check** payable to the Metropolitan St. Louis Sewer District).

( ) Cash Deposit Agreement (two copies enclosed, execute and return both).

Please refer to Chapter 8 of the District's "Rules and Regulation and Engineering Design Requirements for Sanitary Sewage and Stormwater Drainage Facilities" for and explanation of these requirements. Questions regarding the deposits or agreement should be directed to Keith Milson, Escrow Group (768-6206).

Construction Permitting Information

1. Permits will only be issued to licensed and bonded drainlayers for all work related to sewer construction.
2. The Construction Permit fee is $105.00 and must be paid at the time of the issuance of permits. The Construction Inspection fee is $1.78 per lineal foot of sanitary sewer and $2.49 per lineal foot of storm/combined sewer.
3. The House Connection Permit and Misc. MSD Inspection fees are $15.00 for each connection or point of inspection. Where a Machine Tap is required, an additional fee of $200.00 will be required.
4. All fees must be paid by the drainlayer, prior to issuance of the permits. Please refer to Chapter 10 of the District's "Rules and Regulations and Engineering Design Requirements for Sanitary Sewage and Stormwater Drainage Facilities" for additional information regarding the Construction Permits.
5. Questions regarding Permits should be directed to the Permit Section at 768-6286.
6. The approved plans will remain active for one year. If permits have not been applied for within the year a new set of plans will have to be submitted for approval.

NOTE: THIS APPROVAL IS SUBJECT TO STATE HIGHWAY REGULATIONS AND U.S. ARMY CORPS OF ENGINEERS REQUIREMENTS WHERE APPLICABLE.

Michael G. Borgard, P.E.
Manager of Plan Review

Consulting Engineer
Owner
City of St. Louis Street Department

Office of Plumbing and Inspection
Environmental Compliance
Permit

Metropolitan
St. Louis Sewer
District

2000 Hampton Avenue
St. Louis, MO 63139-2979
(314) 768-6200

PUBLIC COMBINED SEWER

DESCRIPTION	UNITS/ FOOTAGE	COST
MISC	1 EA	$0.00
CONSTRUCT MH OVER EXISTING SEWER	1 EA	$1,500.00

PRIVATE UNDER MSD INSPECTION

SANITARY SEWER

DESCRIPTION	UNITS/ FOOTAGE	COST
SAMPLING TEE	1 EA	$0.00

GRAND TOTAL $1,500.00

MSD

M[illegible]ROPOLITAN ST. LOUIS SEWER DISTR[illegible]
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

IND FILE

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609 APR 30 2003

Signature: Kevin Ferguson Date: 4/28/03

MSD

(IND)

St. Louis University 5117347-00

DEPARTMENT OF ENVIRONMENTAL COMPLIANCE
MEMORANDUM

MEMO TO: Doug Mendoza

ACCT #: 51121563-01

FROM: Tom Boehm

DATE: February 5, 2003

SUBJECT: **Billing Change**

This began with a billing change notice. Mo Metal Trims, Inc occupies the buildings including 3901-05 Forest Park and 373 S. Vandeventer. They all form one complex which is a retail sales floor and warehouse for ceramic tiles. Upon questioning, the employees said the billing should still be in their name because they currently own and occupy the building. They are in the final negotiations with St. Louis University to transfer ownership of the building and move out.

The account will eventually transfer back to St. Louis U.

Tcb

O:\tomb\memo\mo metal.doc

BILLING NAME AND ADDRESS	BILLING AREA	C Y C	TYPE ACCOUNT	ACCOUNT STATUS	RATE REDUCTION PERCENT	WATER ON DATE	WATER OFF DATE	LAST CHANGE DATE	B O
OLD:									
51120785 03 JEFF HAAS	MISSIP	5	COMMERCIAL	ACTIVE		10/17/02	00/00/00	12/26/02	N
02840 LOCUST ST									
ST. LOUIS MO 631031309									
NEW:									
ACCOUNT NAME CHANGE									
51120785 03 MARIA JAMESON	MISSIP	5	COMMERCIAL	ACTIVE		10/17/02	00/00/00	12/27/02	N
10128 CONWAY RD	PREMISE	02840	LOCUST						
ST LOUIS MO 63124		ST. LOUIS		MO 631031309					
OLD:									
51121394 00 ¢WAREHOUSE OF FIXTURES	MISSIP	5	COMMERCIAL	ACTIVE		00/00/00	00/00/00	12/17/02	
03712 LACLEDE AVE									
ST. LOUIS MO 631083318									
NEW:									
ACCOUNT SUFFIX CHANGE									
ACCOUNT NAME CHANGE									
ACCOUNT STATUS CHANGE									
WATER ON DATE CHANGE									
51121394 01 ¢SINGER WAREHOUSE PARTNER	MISSIP	5	COMMERCIAL	NEW OCCPNT		12/11/02	00/00/00	01/02/03	
PO BOX 3007	PREMISE	03712	LACLEDE						
ST LOUIS MO 63130		ST. LOUIS		MO 631083318					
OLD:									
51121563 01 ¢ST LOUIS UNIVERSITY	MISSIP	5	COMMERCIAL	ACTIVE		11/15/02	00/00/00	12/17/02	
221 N GRAND BLVD	PREMISE	03901	FOREST PARK						
ST LOUIS MO 63103		ST. LOUIS		MO 631083211					
NEW:									
ACCOUNT NAME CHANGE									
WATER ON DATE CHANGE									
BILLING ADDRESS CHANGE									
51121563 01 ¢MO METALS TRIMS INC	MISSIP	5	COMMERCIAL	ACTIVE		01/01/80	00/00/00	12/27/02	
3905 FOREST PARK BL	PREMISE	03901	FOREST PARK						
ST LOUIS MO 63108		ST. LOUIS		MO 631083211					
OLD:									
51122013 03 ¢COMMERCIAL REALY MGMT	MISSIP	5	COMMERCIAL	ACTIVE		08/16/01	00/00/00	12/17/02	Y
00387 N EUCLID AVE									
ST. LOUIS MO 631081245									
NEW:									
ACCOUNT SUFFIX CHANGE									
ACCOUNT NAME CHANGE									
ACCOUNT STATUS CHANGE									
WATER ON DATE CHANGE									
BILL OWNER CHANGE									
51122013 04 ¢ROTHSCHILD MANAGEMENT	MISSIP	5	COMMERCIAL	JAN		01/01/03	00/00/00	12/27/02	N
4746 MCPHERSON	PREMISE	00387 N	EUCLID						
ST LOUIS MO 63108		ST. LOUIS		MO 631081245					

MSD

x325 Vandeventer

or Auto Tire supply

→ Acct# not present on St. Louis U's secondary acct's list

IND FILE

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

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FEB 03 2003
OFFICE OF ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 1/30/03

MSD

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 10/29/02

RECEIVED
OCT 30 2002
OFFICE OF ENVIRONMENTAL COMPLIANCE

MSD

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 7/25/02

RECEIVED JUL 29 2002 ENVIRONMENTAL COMPLIANCE

MSD 039193

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL FACILITY REINSPECTION REPORT

Company: St. Louis University Account #: 5112 1347-00

Premise Address: 3500 Linde 11 Zip Code: 63108

Last Inspection Date: 5/26/99

MSD Categories: SIU____ CIU____ Surcharge____ Potential Toxic Waste ✓

Non-Toxic Waste____ No Process Flow____ Multi User____ IIU____

Company Representative: Jeff Hovey

Title: Facilities Supervisor Phone #: (314) 977-2916

Others Present: Tom Theurer, Fac. Supervisor

Inspector: Jim Goodall

INSPECTION DATE: 6/12/02 Time of Inspection: From 9:00 A To 10:45 A

NOTE: ALL ITEMS ARE TO BE COMPLETED BASED ON EVENTS SINCE LAST INSPECTION. ANSWERS ARE BASED ON INFORMATION PROVIDED BY COMPANY DURING INSPECTION, AS WELL AS INFORMATION IN FILE.

***** DATABASE ALSO UPDATED WITH APPROPRIATE CHANGES - see attached database reports *****

1. A. ARE THERE ADDITIONAL ACCOUNT NUMBERS? Yes ✓ No__
   List them, note any changes & reasons: See Attachment.

   B. WERE ALL ACCT NUMBERS VERIFIED AS CORRECT & ACTIVE ON BILLING SYSTEM? Yes ✓ No__

2. PROCESS & CLEANUP/WASHDOWN:

Description	Cont/Batch	Water used?	Frequency of discharge	Sample pt.
Liberal Arts College with biology & chemistry labs	Cont	yes	daily	001, 002, 003, 004, 005

3. PRETREATMENT (describe) Sample pt.
   Biologik service for kitchen grease traps — UNK

4. ARE THERE ANY FEDERALLY REGULATED (40 CFR 405-471) OPERATIONS? Yes__ No ✓
   A. If yes, list reg. & describe (including any discharge):

5. DOES CATEGORICAL WASTEWATER COMBINE WITH NON-CAT. WW PRIOR TO SAMPLING? Yes__ No ✓
   A. At which points?_____
   B. Current applied factor:_____ Is it correct? Yes__ No__
   C. If no, what is the correct factor & explain change?

6. IS ANY WASTEWATER SUBJECT TO PRODUCTION OR MASS BASED STANDARDS? Yes__ No ✓
   A. At which points?_____
   B. Since calculation of the current limits, has the long term average production rate or discharge volume changed by 20% or more? Yes__ No__
   C. If yes, explain:

7. ARE ANY RADIOACTIVE MATERIALS HANDLED? Yes ✓ No__
   A. Describe operations & disposal: P-32 Aqueous Buffers decayed & sewered. Solids hauled.
   B. Does company have MSD authorization to disposal to sewer? Yes ✓ No__
   C. Date of authorization: 4/2/99 Annual amt approved: 1.2 mCi
   D. Has company exceeded the approved quantity? Yes__ No ✓
   E. If yes, explain:

8. DOES WATER USE APPEAR EXCESSIVE? Yes__ No ✓
   A. Explain how verified & needed changes: USAGE APPEARS NORMAL for LARGE NUMBER of buildings ON CAMPUS. LARGE NUMBER of APARTMENTS & DORMS.

9. HAS COMPANY EXCEEDED ORDINANCE DISCHARGE LIMITS SINCE THE LAST INSPECTION OR WITHIN THE LAST 12 MONTHS? Yes__ No ✓
   A. If yes:

Pollutant	When	Sample Points	Is problem resolved? yes/no - describe

   B. Comments:

10. HAS COMPANY EXCEEDED CATEGORICAL PRETREATMENT LIMITS SINCE THE LAST INSPECTION OR WITHIN THE LAST 12 MONTHS? NA ✓ Yes__ No__
   A. If yes:

Pollutant	When	Sample Points	Is problem resolved? yes/no - describe

   B. Comments:

11. HAVE THERE BEEN ANY PROBLEM DISCHARGES SINCE LAST INSPECTION? Yes__ No ✓
   A. Upsets?_____ Bypasses of pretreatment facilities?_____
      Spills?_____ Slug discharges?_____ Other?_____
   B. Explain any marked:

12. ARE ANY SOLVENTS USED? Yes ✓ No__
   A. Which solvents? BENZENE, chloroform, methylene chloride, toluene
   B. What used for? EXTRACTION SOLVENTS
   C. How disposed? COLLECTED & HAULED

13. COULD SPILLS OR LEAKS OF STORED CHEMICALS, WASTES OR PROCESS MATERIALS EASILY REACH SANITARY SEWERS OR STORM DRAINS? Yes__ No ✓
   A. If yes, what needs to be done?
   B. If no, how are they controlled? ONLY SMALL QUANTITIES of REAGENTS stored. NO FLOOR DRAINS IN STORAGE AREAS.

14. DOES COMPANY HAVE ANY SPILL, SLUG OR SOLVENT MANAGEMENT PLANS (SMP)? Yes__ No ✓
   A. If yes:

Title	SMP? 413/433	Last Update	Copy in file? (Only get SMP)	Update needed? Explain if yes

   B. If no, is one needed? (write company and request) Yes__ No ✓

15. ARE EMERGENCY NOTIFICATION PROCEDURES POSTED? Yes__ No ✓
   A. Are MSD contacts listed? Yes__ No ✓
   B. If no to either, describe how handled: GAVE MSD number to contact.

16. IS COMPANY REQUIRED TO SELF-MONITOR ANY OF THEIR DISCHARGES? Yes__ No ✓
   A. If yes, requirement is contained in permit_____ or other document_____.
   B. If other document, date & description:_____
   C. How frequently are sampling & reports required?_____
   D. Have reports been on-time, complete & signed by proper person? Yes__ No__
   E. If no, explain:_____

17. IF COMPANY SELF-MONITORS (REQ'D OR NOT), DOES IT COLLECT REPRESENTATIVE GRAB/COMP SAMPLES & USE EPA-APPROVED 40CFR136 WASTEWATER TEST METHODS? NA ✓ Yes__ No__
   A. If no, explain needed changes:_____

18. IS COMPANY UNDER ANY ENVIRONMENTAL ENFORCEMENT ORDERS OR REQUIREMENTS TO SUBMIT COMPLIANCE SCHEDULE REPORTS? Yes__ No ✓
   A. If yes, type and date:_____
   B. Have the reports & actions been on-time & complete? Yes__ No__
   C. If no, explain:_____

19. DOES MSD CATEGORY NEED TO BE REVISED? Yes__ No ✓
   A. Indicate correct categories:
      SIU_____ CIU_____ Surcharge_____ Potential Toxic Waste_____
      Non-Toxic Waste_____ No Process Flow_____ Multi User_____ IIU_____
   B. Explain changes:_____

20. SAMPLE POINTS DJ(y/n)
   SP No. 001 Fed. Reg. N/A Components: To be determined N
   SP No. 002 Fed. Reg. N/A Components: " N
   SP No. 003 Fed. Reg. N/A Components: " N
   SP No. 004 Fed. Reg. N/A Components: " N
   SP No. 005 Fed. Reg. N/A Components: " N

21. ANY UNSAMPLED DISCHARGES? (list each lateral separately) Yes ✓ No__
   Dummy SP No. — Components: Connections for numerous dorms & apartments
   Dummy SP No.____ Components:_____

22. WERE ALL SAMPLE POINTS OPENED AND INSPECTED? Yes__ No ✓
   A. If any SPs cannot be located or opened, explain: MSD sampling personnel were unable to locate SP001, 002, 003.
   B. If any SP descriptions need to be changed, explain: Construction projects & landscape changes may have changed SP location.

23. REVIEW THE SAMPLE POINT MAP! Last map revision date: 7/1/99
   A. Is the map correct and accurate in all its details? Yes__ No ✓
   B. If no, what changes are needed? New map needed w/ revised SP's after construction complete.

USE THIS SPACE FOR ANY OTHER COMMENTS/OBSERVATIONS PERTINENT TO YOUR INSPECTION OF THIS SITE.

Laclede Avenue east of Grand is presently being torn up. Company will be revising IUQ & some new sample points will be established following construction.

51121211	01	BELLE & BEAU CLOTHIE	03400	03402	LINDELL		BLVD	63
51121211	02	ST LOUIS UNIVERSITY	03400	03402	LINDELL	Closed	BLVD	63
51121210	01	MUNICIPAL INFO. SYST	03408	03408	LINDELL		BLVD	63
51121210	02	ST LOUIS UNIVERSITY	03408	03408	LINDELL	Closed	BLVD	63
00016733	00	THIRTY FOUR TWENTY R	03420	03420	LINDELL		BLVD	63
51123880	01	FIRST WESTERN INN	03420	03420	LINDELL		BL	63
51123880	02	ST LOUIS UNIVERSITY	03420	03420	LINDELL		BLVD	63
51121207	00	BUSCHNELL PKG SUPPLY	03436	03436	LINDELL		BL	63
51121207	01	ST LOUIS UNIVERSITY	03436	03436	LINDELL		BLVD	63
51121206	00	ELDORADO MGMT CORP	03440	03444	LINDELL		AVE	63
51121205	01	GOOD STUFF	03446	03448	LINDELL		AV	63
51121205	02	ST LOUIS UNIVERSITY	03446	03448	LINDELL	Closed	AVE	63
90116361	01	ST LOUIS UNIVERSITY	03450	03450	LINDELL	Active	BLVD	63
51121204	00	ST L PHOTO SUPPLY	03452	03452	LINDELL		BLVD	63
51123879	01	ST LOUIS UNIVERSITY	03500	03500	LINDELL	Active	BLVD	63
51121195	05	ST LOUIS UNIVERSITY	03521	03521	LINDELL	Active	BLVD	63
51124284	01	MID-TOWN STATE OFFIC	03545	03545	LINDELL		BLVD	63
51124099	00	ST LOUIS UNIVERSITY	03550	03550	LINDELL	Active	BLVD	63
51121198	01	ST LOUIS UNIVERSITY	03559	03561	LINDELL		AVE	63
51121199	00	J DUBINSKY & SONS	03563	03573	LINDELL		BL	63
51121199	01	GRAND LINDELL PARTNE	03563	03573	LINDELL		BLVD	63
51121199	02	BULLFEATHER'SPUB	03563	03573	LINDELL		BLVD	63
51121290	00	MERCANTILE BANK N.A.	03590	03590	LINDELL		BL	63
51121290	01	ST LOUIS UNIVERSITY	03590	03590	LINDELL	Active	BLVD	63
51121347	00	SAINT LOUIS UNIVERSI	03600	03642	LINDELL	Active	BLVD	63
51121345	00	SCOTTISH RITE CATH	03637	03637	LINDELL		BLVD	63
51121346	03	ST LOUIS UNIVERSITY	03663	03663	LINDELL		BLVD	63
90123378	01	ST LOUIS UNIVERSITY	03674	03674	LINDELL		BLVD	63
51122682	00	MASONIC TEMPLE ASSOC	03681	03681	LINDELL		BLVD	63
02036473	00	CENTRAL PLAZA CORP	03693	03649	LINDELL		BLVD	63
51121467	02	CITY PLAYERS OF ST L	03715	03715	LINDELL		BLVD	63
90120633	01	ST LOUIS UNIVERSITY	03728	03728	LINDELL	Construction	BLVD	63
51950006	00	SPIRIT ASSOC	03731	03741	LINDELL		BLVD	63
90095192	01	SPIRIT ASSOC	03731	03741	LINDELL		BLVD	63
90095192	02	GILL A	03731	03741	LINDELL		BLVD	63
51121432	00	SOMMERLATH IND INC	03740	03740	LINDELL		BL	63
51121432	01	ST LOUIS UNIVERSITY	03740	03740	LINDELL	Active	BLVD	63
51121431	01	SOCIAL SERVICES	03744	03744	LINDELL		BLVD	63
51950007	00	SPIRIT ASSOC	03745	03745	LINDELL		BLVD	63
90095193	01	SPIRIT ASSOC	03745	03745	LINDELL		BLVD	63
90095193	02	GILL A	03745	03745	LINDELL		BLVD	63
51121430	02	ST LOUIS UNIVERSITY	03750	03750	LINDELL	Active	BLVD	63
51121436	02	TRAVELERS PROTECTIVE	03755	03755	LINDELL		BLVD	63
51121437	00	ODD FELLOWS ASSN	03765	03765	LINDELL		BLVD	63
51121429	02	SALVATION ARMY	03800	03810	LINDELL		BLVD	63
51121429	03	SAINT LOUIS UNIVERSI	03800	03810	LINDELL	Active	BLVD	63
51121438	02	GRAND CENTER. INC.	03805	03805	LINDELL		BL	63
51121427	02	ST LOUIS UNIVERSITY	03824	03824	LINDELL	Active	BLVD	63
00016755	00	CITY OF ST LOUIS	03830	03860	LINDELL		BLVD	63
51121440	00	ST LOUIS MED SOCIETY	03839	03839	LINDELL		BLVD	63
51121426	04	STL ASSN-RETARDED CT	03840	03840	LINDELL		BL	63
51121426	05	POWERS A	03840	03840	LINDELL		BLVD	63
51121426	06	ST LOUIS UNIVERSITY	03840	03840	LINDELL	Active	BLVD	63
51121425	04	ELACO 'S TACOS #1	03852	03852	LINDELL		BL	63

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME: ST LOUIS UNIVERSITY
PRIMARY MSD ACCOUNT NO: 5112134700

Premise Address 3500 Lindell
St Louis, MO 63108

INDUSTRIAL USER CATEGORIZATIONS

Effective Date	SIU	CIU	Surcharge	High Flow	Pot Toxic Waste	No Proc Flow	Multi User Acct	IIU
05/26/1999					Y			

GENERAL INFORMATION

Office Mailing Address
3500 Lindell
St Louis, MO 63103

MSD Base Map: 19F4
Wun: St. Louis City & Co.
Grid: H 20 **Page:** 27

Last Routine Inspection
Date: 06/12/2002
Inspector: James Goodall
Next Due: 06/30/2005

Last Inspection
Date: 06/12/2002 **Type:** RIN
Inspector James Goodall

IUQ Recvd Date:
Reviewer: Dione Baker
Permit Issue Date:
Permit Exp.Date:
Extend / Term Date
Permit Writer

CONTACTS:

Auth Signature - Primary	Kevin Ferguson	Health Physicist	Office Phone	(314) 577-8609 Ext
Field Contact - Primary	Jeff Hovey	Faciities Supervisor	Office Phone	(314) 977-2916 Ext
Field Contact 1st Alt	Tom Theurer	Facilities Supervisor	Office Phone	(314) 577-8226 Ext
Office Contact - Primary	Michael G'Sell	Director of Building Services	Office Phone	(314) 977-2954 Ext

OPERATIONAL INFORMATION

Work Days / Week:	7
Employees:	1,822
Shifts / Day:	3
Hrs. of Operation:	24

Shift No.	No. of Emp.	Shift Start Time	Shift Duration
1	1,672	08:00 AM	8
2	100	04:00 PM	8
3	50	12:00 AM	8

Other Agencies	Permit Number
EPA - Hazardous Waste Program	MOD981120603
MDNR - Hazardous Waste Program	001467

NON-SEWERED WASTE **On-Site Storage:** Y **On-Site Disposal:** N **Off-Site Disposal:** Y

COMMENTS Cont-op, SPCCP-no

PRODUCT & SERVICE INFORMATION

SIC	DESCRIPTION
8221	Colleges, Universities & Professional Schools

Raw Materials / Processes:
N/A

Products / Services:
Educational services

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME: ST LOUIS UNIVERSITY
PRIMARY MSD ACCOUNT NO: 5112134700

Premise Address 3500 Lindell
St Louis, MO 63108

WATER CONSUMPTION AND WASTEWATER DISCHARGE

Sewer Accounts
5112119505
5112129001
5112134700
5112142606
5112142702
5112142903
5112143002
5112143201
5112387901
5112409900
9011636101

Start Date 12/01/2000 **End Date =** 12/31/2002

Acct No.			Consumption		Wdays	Cdays	Discharge	
5112134700			CCF's	Gallons			Gal / Wday	Gal / Cday
	11/02/2000	02/02/2001	22,235		93	93		
	02/03/2001	05/01/2001	19,517		88	88		
	05/02/2001	08/09/2001	28,540		100	100		
	08/10/2001	11/13/2001	30,638		96	96		
RF 0.80	Acct. Total		100,930	75,500,888	377	377	160,214	160,214
	Facility Total		**100,930**				**160,214**	**160,214**

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME: ST LOUIS UNIVERSITY
PRIMARY MSD ACCOUNT NO: 5112134700

Premise Address 3500 Lindell
St Louis, MO 63108

SEWER CONNECTION INFORMATION

LATERAL NO:	Lateral Type	DS MH	Treatment Area	Trunk Sewer
01	Sanitary Or Combined	20F2 275C	Bissell Point	Old Mill Creek

Description E from buildings to MSD connection on Channing Av

Sewer Route 24" sewer E to 2' x 3' sewer, E to 96" sewer, S to 7.5' Horseshoe trunk, N yo TP

SAMPLE POINT No. 001 **SAMPLE POINT TYPE.** Ordinance **NPDES Outfall No:** N/A

Description Manhole 33' S and 9' E of SE building corner

Discharge Components	Process Description	Quantity	Unit	RUD	Effective Date
Sanitary		1	GPD	D	11/06/1998
	TOTAL QNTY:	1			

LATERAL NO:	Lateral Type	DS MH	Treatment Area	Trunk Sewer
02	Sanitary Or Combined	19F3 105C	Bissell Point	Old Mill Creek

Description N to 18" MSD sewer

Sewer Route W to 8' sewer, S on Vandevender to Rutger sewer trunk, N to TP

SAMPLE POINT No. 002 **SAMPLE POINT TYPE.** Ordinance **NPDES Outfall No:** N/A

Description Manhole 6' W of sidewalk entrance

Discharge Components	Process Description	Quantity	Unit	RUD	Effective Date
Sanitary		1	GPD	D	11/06/1998
	TOTAL QNTY:	1			

LATERAL NO:	Lateral Type	DS MH	Treatment Area	Trunk Sewer
03	Sanitary Or Combined	19F2 327C	Bissell Point	Old Mill Creek

Description S to 18" MSD sewer

Sewer Route W to 8' sewer, S on Vandevender to Rutger sewer trunk, N to TP

SAMPLE POINT No. 003 **SAMPLE POINT TYPE.** Ordinance **NPDES Outfall No:** N/A

Description Manhole 54' W and 9' N of NE building corner, in ally

Discharge Components	Process Description	Quantity	Unit	RUD	Effective Date
Sanitary		1	GPD	D	11/06/1998
	TOTAL QNTY:	1			

LATERAL NO:	Lateral Type	DS MH	Treatment Area	Trunk Sewer
04	Sanitary Or Combined	19F3 163C	Bissell Point	Old Mill Creek

Description NE to 2' x 3' sewer

Sewer Route E to 36" sewer, E to 4' x 5' sewer, S to 15' x 20' sewer, E on LeSalle trunk, N to TP

SAMPLE POINT No. 004 **SAMPLE POINT TYPE.** Ordinance **NPDES Outfall No:** N/A

Description Manhole 24' S and 15' E of NE middle corner

Discharge Components	Process Description	Quantity	Unit	RUD	Effective Date
Sanitary		1	GPD	D	11/06/1998
	TOTAL QNTY:	1			

LATERAL NO:	Lateral Type	DS MH	Treatment Area	Trunk Sewer
05	Sanitary Or Combined	19F3 177C	Bissell Point	Old Mill Creek

Description N to 36" MSD sewer

Sewer Route E to 36" sewer, E to 4' x 5' sewer, S to 15' x 20' sewer, E on LeSalle trunk, N to TP0

SAMPLE POINT No. 005 **SAMPLE POINT TYPE.** Ordinance **NPDES Outfall No:** N/A

Description Manhole 39' W of SW building corner, on sidewalk

Discharge Components	Process Description	Quantity	Unit	RUD	Effective Date
Sanitary		1	GPD	D	11/06/1998
	TOTAL QNTY:	1			

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME: ST LOUIS UNIVERSITY
PRIMARY MSD ACCOUNT NO: 5112134700

Premise Address 3500 Lindell
St Louis, MO 63108

PRETREATMENT TYPES

SPN	Pretreatment Description	SPN	Pretreatment Description	SPN	Pretreatment Description

PRIORITY POLLUTANTS

Pollutant Description	Status	Pollutant Description	Status	Pollutant Description	Status
1,1-Dichloroethane	SP	1,1-Dichloroethene	SP	1,2-Dichlorobenzene	SP
1,2-Dichloroethane	SP	1,3-Dichlorobenzene	SP	1,4-Dichlorobenzene	SP
2,4-Dinitrophenol	SP	2,4-Dinitrotoluene	SP	2,6-Dinitrotoluene	SP
2-Nitrophenol	SP	Arsenic (Total)	KP	Asbestos (Fibrous)	KP
Benzene	KP	Carbon Tetrachloride	KP	Chlorobenzene	KP
Chloroform	KP	Chromium (Total)	KP	Copper (Total)	KP
Cyanide (Total)	KP	Di-n-butyl Phthalate	SP	Diethyl Phthalate	SP
Dimethyl Phthalate	SP	Ethylbenzene	SP	Hexachlorobenzene	SP
Lead (Total)	KP	Mercury (Total)	KP	Methylene Chloride	KP
Naphthalene	KP	Nickel (Total)	KP	Nitrobenzene	KP
Phenol	SP	Selenium (Total)	SP	Silver (Total)	KP
Toluene	KP	Zinc (Total)	KP		

EXTRA STRENGTH SURCHARGE INFORMATION

Certification / Recertification Date

||

For Account Number Selecte 5112134700 **ECIMS FACILITY CONTACTS**
ST LOUIS UNIVERSITY
Located at 3500 Lindell
St Louis MO 63108

Address Type

Contact Type	Contact Name	Contact Title	Phone Type	Number	Ext.
Office Mailing Address					
Auth Signature - Primary	Kevin Ferguson	Health Physicist	OFF	(314)577-8609	
Office Contact - Primary	Michael G'Sell	Director of Building Services	OFF	(314)977-2954	
Office Contact 1st Alt	Jeff Hovey	Facilities Supervisor	OFF	(314)977-2916	
Premise Address					
Field Contact - Primary	Jeff Hovey	Faciities Supervisor	OFF	(314)977-2916	
Field Contact 1st Alt	Tom Theurer	Facilities Supervisor	OFF	(314)577-8226	

ECIMS
REPORT OF FIELD SAMPLING REQUIREMENTS

Account No Entered **5112134700** **ST LOUIS UNIVERSITY**

SPN	Premise Address	CITY	ST	ZIP
	3500 Lindell	St Louis	MO	63108

	Poll Code	Pollutant Description	Frequency	Sample Type	IM = IPD - Company - MSD	End Date
001						12/31/2003
	T208000	Biochemical Oxygen Demand (5 Da	Once/year	Comp-Time 04 Hrs		
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs		
	T237000	pH	Once/year	Grab		
	T247000	Temperature	Once/year	Grab		
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs		
002						12/31/2003
	T208000	Biochemical Oxygen Demand (5 Da	Once/year	Comp-Time 04 Hrs		
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs		
	T237000	pH	Once/year	Grab		
	T247000	Temperature	Once/year	Grab		
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs		
003						12/31/2003
	T208000	Biochemical Oxygen Demand (5 Da	Once/year	Comp-Time 04 Hrs		
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs		
	T237000	pH	Once/year	Grab		
	T247000	Temperature	Once/year	Grab		
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs		
004						12/31/2003
	T208000	Biochemical Oxygen Demand (5 Da	Once/year	Comp-Time 04 Hrs		
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs		
	T237000	pH	Once/year	Grab		
	T247000	Temperature	Once/year	Grab		
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs		
005						12/31/2003
	T208000	Biochemical Oxygen Demand (5 Da	Once/year	Comp-Time 04 Hrs		
	T213000	Chemical Oxygen Demand	Once/year	Comp-Time 04 Hrs		
	T237000	pH	Once/year	Grab		
	T247000	Temperature	Once/year	Grab		
	T256000	Total Suspended Solids	Once/year	Comp-Time 04 Hrs		

MSD

METROPOLITAN
ST. LOUIS SEWER
DISTRICT

REQUEST FOR INVESTIGATION OF SAMPLE POINT PROBLEM

SAMPLING DATE: 05/03/2002
CONTACT PERSON:
COMPANY NAME: St. Louis University
ZIP: 63108
COMPANY ADDRESS: 3500 Lindell
ACCOUNT NUMBER: 5112134700
CATEGORY: NON-SURCHARGE NON-SIU
FLOW: SP001,002,003 **SMN:** 0205436,37,38 **Tech:** J. Pavlich

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SAMPLE POINT AND TYPE OF PROBLEM: The technician was unable to locate these three sampling points. At SP001 there is no manhole in the area described on map. At SP002 the only manhole in the area on map is flowing east to west, not north to south. At SP003 there is only a vent in the area shown on map, manhole may be under dumpster.

PERSON REQUESTING INVESTIGATION: Paul Slovacek

INVESTIGATOR ASSIGNED: Jim Goodall (inspect too)
ASSIGNED BY: DMM 5/10/02

CORRECTIVE ACTION TAKEN: Inspection performed on 6/12/02. Construction projects and changes to landscape and roads is going on now. Changes to SP descriptions and some new sample points will be made in about 2 months.

FOLLOW UP NEEDED:

INVESTIGATOR: Jim Goodall
DATE: 6/24/02

SRF-01/12-30-93

IND

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus** (IND PERMIT)
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) □(APR-JUNE) □(JULY-SEPT) □(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
H-3	0.00002
TOTAL ACTIVITY DISCHARGED:	0.00002

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

[KF] I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

RECEIVED APR 25 2002 MSD ENVIRONMENTAL COMPLIANCE

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 4/23/02

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 1/23/02

IND FILE

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 10/12/01

IND FILE

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
P-32	0.00003
TOTAL ACTIVITY DISCHARGED:	0.00003

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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Print/type name of signing official: Kevin Ferguson JUL 2 1 2001

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 7/24/01

ST UNIV (FROST)
IND

MSD

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-268-5560

SAINT LOUIS
UNIVERSITY

Health Sciences Center
Office of Environmental Safety and Services

Environmental Safety Office (C307)
314-577-8608

Radiation Safety Office (RB5)
314-577-8609

RECEIVED
APR 26 2001
Environmental Compliance

April 23, 2001

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period Jan. - March 2001

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Philip Van Cleave (Anheuser Busch Eye Institute, Saint Louis University Hospital, and Saint Louis University Health Sciences Center - Wohl Facility).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by our office) will be incorporated in the report filed with your office by Cardinal Glennon Hospital. Consequently, there is no report included for Cardinal Glennon Hospital with this letter.

If you have any questions regarding these reports, please contact me at 577-8609.

Sincerely,

Kevin Ferguson

Kevin Ferguson
Health Physicist

IND MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

RECEIVED
APR 26 2001
Environmental Compliance

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) □(APR-JUNE) □(JULY-SEPT) □(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 4/23/01

MSD

1402 South Grand Blvd.
St. Louis, MO 63104-1085
Fax: 314-268-5560

SAINT LOUIS
UNIVERSITY

Health Sciences Center
Office of Environmental Safety and Services

Environmental Safety Office (C307)
314-577-8608

Radiation Safety Office (RB5)
314-577-8609

January 29, 2001

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period Oct. - Dec. 2000

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Philip Van Cleave (Anheuser Busch Eye Institute, Saint Louis University Hospital, and Saint Louis University Health Sciences Center - Wohl Facility).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by our office) will be incorporated in the report filed with your office by Cardinal Glennon Hospital. Consequently, there is no report included for Cardinal Glennon Hospital with this letter.

If you have any questions regarding these reports, please contact me at 577-8609.

Sincerely,

Kevin Ferguson
Health Physicist

RECEIVED
JAN 31 2001
Environmental Compliance

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
P-32	0.000374
TOTAL ACTIVITY DISCHARGED:	0.000374

RECEIVED
JAN 31 2001
Environmental Compliance

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

KF I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Date: 1/29/01

IND

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

RECEIVED OCT 17 2000 Environmental Compliance

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

Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 10/16/2000

IND FILE

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

RECEIVED
JUL 28 2000
Environmental Compliance

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 7/27/00

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise No: **3505 Laclede Avenue, 63103**
Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
P-32	0.00005
TOTAL ACTIVITY DISCHARGED:	0.0005

RECEIVED
APR 28 2000
Environmental Compliance

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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Print/type name of signing official: Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 4/26/2000

Metropolitan
St. Louis Sewer
District

Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(314) 436-8710
FAX (314) 436-8753

MSD

February 8, 2000

Kevin Ferguson
ST. LOUIS UNIVERSITY HEALTH SCIENCES CENTER
1402 S. Grand
Doisy Bldg, Room RB5
St. Louis, MO 63104-1028

Re: Anheuser-Busch Institute
Cardinal Glennon Children's Hospital
Institute for Molecular Virology
Pediatric Research Institute
St. Louis University
St. Louis University Health Sciences Center
St. Louis University Hospital
St. Louis University Medical School
St. Louis University Storage Bldg.

Dear Mr. Ferguson:

As you may be aware, the Metropolitan St. Louis Sewer District prohibits the discharge of radioactive material to the sewer system, except those discharges specifically approved by the District. The facilities referenced above have such approvals. As part of the approval, you are required to complete and submit Industrial User Radioactive Materials Discharge Reports each quarter.

We have recently revised the Discharge Report. Under Part III.A of the report, the Certification of Compliance with State and Federal Regulations has been modified so that now only a single certification is required. The previous version of the report required two separate certifications, which resulted in some companies failing to make the correct certification.

A copy of the revised report is enclosed for your use. Please begin using the revised report immediately. You should discard all copies of the previous version.

If you have any questions, please contact me at 314-436-8717.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Douglas M. Mendoza, P.E.
Industrial Waste Engineer

Enclosure - revised Radioactive Discharge Report

pc Permits Unit

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: _____

Permit No: _____

Premise Address: _____

Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
TOTAL ACTIVITY DISCHARGED:	

PART III: CERTIFICATION STATEMENTS

Place your initials in the box under item A.
Everyone must complete the information under items A & B and sign this report.

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☐ I certify that to the best of my knowledge & belief, all requirements of 10 CFR Part 20.2003 and 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission and the Missouri Department of Health, respectively, have been met for the period covered by this report.

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Print/type name of signing official: _____

Title: _____ Telephone: _____

Signature: _____ Date: _____

radrpt.doc 2/00

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No:
Premise Address: **3505 Laclede Ave, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

RECEIVED
JAN 24 2000
Environmental Compliance

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☑ I certify that to the best of my knowledge and belief, all requirements of 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for materials regulated by the Missouri Department of Health have been met for the period covered by this report.

☑ I certify that to the best of my knowledge and belief, all requirements of 10 CFR Part 20.2003 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission have been met for the period covered by this report

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Print or type name of signing official : Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 1/20/2000

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No:
Premise Address: **3505 Laclede Ave, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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[KF] I certify that to the best of my knowledge and belief, all requirements of 10 CFR Part 20.2003 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission have been met for the period covered by this report

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Print or type name of signing official : Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 7/15/99

RECEIVED
JUL 19 1999
Environmental Compliance

DEPARTMENT OF ENVIRONMENTAL COMPLIANCE
MEMORANDUM

MEMO TO: Doug Mendoza

ACCT #: 51121347-00

FROM: Dione A. Baker

DATE: 7-2-99

SUBJECT: St. Louis University

on 5/26/99
I met with Tom Theurer, Facilities Manager. He appointed Don Million to assist me with the sample points. I did receive the completed questionnaire. All the information has been added to ECIMS except sample points, laterals, and sampling frequencies.

The facility inspection report did not get completed. Discharge components should also be completed. The sample point map is included. Sample points should be verified. I believe there were others that we were not able to find.

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No:
Premise Address: **3505 Laclede Ave, 63103**
Reporting Period: ■(JAN-MAR) □(APR-JUNE) □(JULY-SEPT) □(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
P-32	0.00000018
TOTAL ACTIVITY DISCHARGED:	0.00000018

RECEIVED
APR 27 1999
Environmental Compliance

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☒ I certify that to the best of my knowledge and belief, all requirements of 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for materials regulated by the Missouri Department of Health have been met for the period covered by this report.

☒ I certify that to the best of my knowledge and belief, all requirements of 10 CFR Part 20.2003 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission have been met for the period covered by this report

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Print or type name of signing official : Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: [signature] Date: 4/23/99

Metropolitan
St. Louis Sewer
District

Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(314) 436-8710
FAX (314) 436-8753

MSD

April 2, 1999

Mark Haenchen
Director of Environmental Safety
ST. LOUIS UNIVERSITY HEALTH SCIENCES CENTER
OFFICE OF ENVIRONMENTAL SAFETY
3556 Caroline Street, C-306
St. Louis, MO 63104-1085

Dear Mr. Haenchen:

We have reviewed your letter dated March 16, 1999 requesting a change in the approved radioactive discharge levels for certain St. Louis University-affiliated facilities. Your letter contained the list of facilities and the requested amounts.

We are approving your request. Please note that for those facilities with Industrial Wastewater Discharge Permits, the permits will be revised to reflect changed discharge approvals. All facilities must submit quarterly radioactivity discharge reports. A copy of the reporting form is enclosed.

Regarding the St. Louis University Storage Building, you will need to complete the attached User Wastewater Survey and return it to us. Once we have reviewed it, we will arrange a visit to the site.

If you have any questions, call me at (314) 436-8717.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Douglas M. Mendoza, P.E.
Industrial Waste Engineer

bv

Enclosures - Radioactive Materials Discharge Report
- Commercial/Industrial User Wastewater Survey

pc Permits Unit

MSD

3556 Caroline St., C-306
St. Louis, MO 63104-1085
Phone: 314-577-8608
FAX: 314-268-5560

SAINT LOUIS
UNIVERSITY

Health Sciences Center
Office of
Environmental Safety

March 16, 1999

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(Fax No. 436-8753)

SUBJECT: Additional Location of Radionuclide Discharge/Revision of Discharge Activities

Dear Mr. Mendoza:

I am writing to request MSD authorization of an additional Saint Louis University location for discharge of low level radionuclide discharges to the District's sewer system. Specifically, we are requesting authorization for a Saint Louis University building located at 1008 S. Spring Avenue. A single drain line in this facility will be used for discharge of low level radioactive effluents, in accordance with MSD Ordinance 8472 and representations made in a letter to you dated April 14, 1994. In order to maintain an institutional limit of 500 mCi aggregate for all discharges from Saint Louis University, the estimated annual facility discharge limits specified in the April 27, 1994 letter to you are being revised as shown in the attached table.

If you have any questions regarding the information provided, please contact me at 577-8609. Thanks for your attention to this matter.

RECEIVED
MAR 22 1999
Environmental Compliance

Sincerely,

Mark Haenchen
Director of Environmental Safety
and Radiation Safety Officer

cc: Henry M. Goodgold, M.D., Chairman, Radiation Safety Committee

MSD

DISCHARGE LOCATIONS OF RADIOACTIVE MATERIALS (Revised March 16, 1999)			
FACILITY NAME	**BUILDING NAME**	**STREET ADDRESS**	**ESTIMATED ANNUAL FACILITY DISCHARGE**
Saint Louis University - Frost Campus	Macelwane Hall	3505 Laclede Avenue, 63103	1.2 mCi
Saint Louis University Medical School	Caroline Building Doisy Hall Medical School	3556 Caroline Mall, 63104 3555 Vista Avenue, 63104 1402 S. Grand Blvd., 63104	60 mCi
Saint Louis University Hospital	Bordley Pavilion & Fermin Desloge Tower	3635 Vista at Grand, P.O. Box 15250, 63104	12 mCi
Cardinal Glennon Hospital	same as facility name	1465 S. Grand Blvd., 63104	1.2 mCi
Anheuser Busch Institute	same as facility name	1755 S. Grand Blvd., 63104	120 mCi
Institute for Molecular Virology	same as facility name	3681 Park Avenue, 63104	12 mCi
Pediatric Research Institute	same as facility name	3662 Park Avenue, 63104	60 mCi
Wohl Memorial Mental Health Institute (SLU Health Sciences Center)	David P. Wohl Memorial Institute	1221 South Grand Blvd., 63104	1.2 mCi
new facility → Saint Louis University Storage Building 41121958-00	Storage Building	1008 S. Spring Avenue, 63110	240 mCi

RECEIVED
MAR 22 1999
Environmental Compliance

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No:
Premise Address: **3505 Laclede Ave, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☒ I certify that to the best of my knowledge and belief, all requirements of 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for materials regulated by the Missouri Department of Health have been met for the period covered by this report.

☒ I certify that to the best of my knowledge and belief, all requirements of 10 CFR Part 20.2003 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission have been met for the period covered by this report

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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 submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official : Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 1/12/99

RECEIVED
JAN 14 1999
Environmental Compliance

Metropolitan
St. Louis Sewer
District

Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(314) 436-8710
FAX (314) 436-8753

MSD

January 7, 1999

Mike G'Sell
ST. LOUIS UNIVERSITY
Director of Building Services
3500 Lindell Blvd.
St. Louis, MO 63103

RE: Return Factor Update Review
MSD Account No.: 5112-1347-00

Dear Mr. G'Sell:

Per our telephone conversation on January 6, 1999, this letter is to confirm our meeting which has been arranged for 9:00 a.m., February 1, 1999, at your Lindell Blvd. facility to discuss the update review of your current Return Factor (RF).

The above referenced sewer account was assigned a Return Factor of 0.80, a number of years ago, after review of the water usages at your facility. The sewer bills for this account are based on 80% of the water supplied to the premise as measured by the Water Agency meter(s). The account is not billed for 20% of the water supplied to the facility, because that percentage of water was found not to "return" to the sewer.

A Return Factor update review may be initiated at any time by either the customer or the District. The District has decided to initiate an update review for this account at this time due to the age of the Return Factor and the potential that changes at the premise since the establishment of the Return Factor may have affected the percentage of water returned to the sewer.

In order for the District to credit you on future sewer bills for the percentage of water which is not returned to the sewer, it will be necessary for you to participate in this update review. The review will determine a current Return Factor based on an annual average water usage profile derived from a year-long program to collect accurate and verifiable data, primarily from metering selected usages.

At our meeting, it will be important to have several pieces of information available in order to expedite the review process. The following is a list of pertinent information needed:

1) List all water and sewer accounts serving your facility with the corresponding premise address.

2) List all non-sewered water uses at your facility for which reductions may apply.

3) List any sources of water supply for your facility other than metered water supply that are not currently registered with the District (e.g., well water, hauled water, purchased steam, etc.).

4) If possible, have a plot plan or sketch showing the locations of the above information.

5) Any records pertaining to the documentation of the current RF.

If you have any questions, please call me at 436-8759.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Buffy C. Skinner

Buffy C. Skinner
Environmental Associate Engineer

ph

Metropolitan
St. Louis Sewer
District

Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(314) 436-8710
FAX (314) 436-8753

MSD

October 27, 1998

Mike Gesell
Director of Building Services
ST. LOUIS UNIVERSITY
Fitzgerald Hall Lower Level
3750 Lindell
St. Louis, MO 63108

RE: MSD NO. 51121347-00

Dear Sir:

Per your request, enclosed is another copy of the Industrial User Questionnaire. Once I receive the information from your office, I will contact you to set up an appointment to verify that the information given is correct.

If you have any questions or need further assistance in completing the questionnaire, please call me at 436-8762.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Dione A. Baker

Dione A. Baker

bv

Enclosure:
8 page Industrial User Questionnaire

MSD IND

METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

RECEIVED
OCT 19 1998
Environmental Compl.

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No:
Premise Address: **3505 Laclede Ave, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☒ I certify that to the best of my knowledge and belief, all requirements of 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for materials regulated by the Missouri Department of Health have been met for the period covered by this report.

☒ I certify that to the best of my knowledge and belief, all requirements of 10 CFR Part 20.2003 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission have been met for the period covered by this report

B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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 submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official : Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 10/15/98

Metropolitan
St. Louis Sewer
District

Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(314) 436-8710
FAX (314) 436-8753

MSD

September 3, 1998

Chuck Smith
Vice President of
Facility Services
ST. LOUIS UNIVERSITY
Fitzgerald Hall Lower Level
3750 Lindell
St. Louis, MO 63108

RE: MSD Account No. 51121347-00

Dear Sir:

On February 25, 1998, a letter and questionnaire were mailed to your office requesting completion and submittal of an IUQ. As of this date, we have not received the completed questionnaire.

Please note that as an industrial user of the Metropolitan St. Louis Sewer District, you are required to comply with the Federal Pretreatment Regulations in 40 CFR Part 403. These regulations have been promulgated by the United States Environmental Protection Agency to control the discharge of wastewater from industrial sources into publicly owned treatment works and to ensure the protection of our natural resources.

The District has incorporated the federal requirements into MSD Sewer Use Ordinance No. 8472. A copy of the ordinance is enclosed. All discharges from your property to the District's sewers must comply with the provisions of this ordinance.

Under the federal regulations the District is required to identify the character and volume of pollutants contributed by industrial users. Article VIII, Section One of Ordinance No. 8472 provides for a questionnaire to be completed by industrial users to obtain this information. The following are areas to focus on: chemistry, biological, medical, lab wastes, cooling towers, boilers, photo/x-ray wastes.

A copy of our Industrial User Questionnaire with instructions is enclosed. You may skip Section G. Please complete and return the questionnaire to us within 30 days. Please retain the pink copy for your files.

We appreciate your cooperation and support in helping us comply with the federal regulations. If you have any questions or need assistance in completing the questionnaire, please call me at 436-8762.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Dione A. Baker

Dione A. Baker
Environmental Engineering Associate

ldl

Enclosures: Eight page questionnaire
Sewer Ordinance 8472

pc: Suspense File

IND

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No:
Premise Address: **3505 Laclede Ave, 63103**
Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

RECEIVED
JUL 15 1998
Environmental Compliance

PART III: CERTIFICATION STATEMENTS

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Print or type name of signing official : Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 7/13/98

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No:
Premise Address: **3505 Laclede Ave, 63103**
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RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

RECEIVED
APR 22 1998
Environmental Compliance

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

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Print or type name of signing official : Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 4/20/98

Metropolitan
St. Louis Sewer
District

Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(314) 436-8710
FAX (314) 436-8753

MSD

February 25, 1998

Facility Services
ST. LOUIS UNIVERSITY
Fitzgerald Hall Lower Level
3750 Lindell
St. Louis, MO 63108

RE: MSD Account No. 51121347-00

Dear Sir:

As an industrial user of the Metropolitan St. Louis Sewer District, you are required to comply with the Federal Pretreatment Regulations in 40 CFR Part 403. These regulations have been promulgated by the United States Environmental Protection Agency to control the discharge of wastewater from industrial sources into publicly owned treatment works and to ensure the protection of our natural resources.

The District has incorporated the federal requirements into MSD Sewer Use Ordinance No. 8472. A copy of the ordinance is enclosed. All discharges from your property to the District's sewers must comply with the provisions of this ordinance.

Under the federal regulations the District is required to identify the character and volume of pollutants contributed by industrial users. Article VIII, Section One of Ordinance No. 8472 provides for a questionnaire to be completed by industrial users to obtain this information. The following are areas to focus on: chemistry, biological,medical, lab wastes,cooling towers, boilers, photo/x-ray wastes.

A copy of our Industrial User Questionnaire with instructions is enclosed. You may skip Section G. Please complete and return the questionnaire to us within 60 days. Please retain the pink copy for your files.

We appreciate your cooperation and support in helping us comply with the federal regulations. If you have any questions or need assistance in completing the questionnaire, please call me at 436-8762.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Dione A. Baker

Dione A. Baker
Environmental Engineering Associate

bv
Enclosures
pc: Suspense File

attachments:
8 page questionnaire
Sewer Ordinance 8472

(IN)

MSD

INDUSTRIAL USER QUESTIONNAIRE MAILINGS TO NEW USERS

CHECKLIST

User Name: ST LOUIS UNIVERSITY
Address: Fitzgerald Hall Lower level
3750 Lindell

Acct #(s): 5112134-00

(check for acct #'s on MENZ both by address & name)

The following should be checked to insure that a file does not already exist:

exists	nothing	
____	✓	Cross-ref. list (if found, name: ____)
____	✓	Industry/Permit file (by name)
____	✓	Insignificant Industrial User file (by name) *

* If a file exists, have the user deleted from the IIU list and transfer the file contents to a new Industrial file.

The following should be checked to insure that an existing file for a *previous tenant* is Dead filed, and useful info (e.g. maps) is made available to the new user:

exists	nothing	
____	✓	Industry/Permit file (by account #)
____	✓	Insignificant Industrial User file (by account #)

The following should be checked to insure that any useful info (e.g. maps) from a previous tenant is made available to the new user:

something	nothing	
____	✓	Dead file (by account #)
✓	____	Engineering Plans file (by name)
✓	____	Engr Dept plans (by P# on base map, or by address) *

* The Engineering Dept will have to be contacted for this information.

==> Sample point maps from a previous tenant should always be sent with the questionnaire. Appropriate changes in wording should be made to the cover letter, telling that the map is to assist in completing §D & E. The user also should be told to verify that the map represents current conditions.

==> Any plans DEC, or Engineering, has should be sent (in a reduced form) with the questionnaire. Appropriate changes in wording should be made to the cover letter, telling that the plans are to assist in completing §D & E. The user also should be told to verify that the plans represent current conditions.

Is the total water usage (from all known accounts for the site) >80 Ccf (1995 GPD)? ✓ yes ___ no ___ unknown (reason: ____)

If yes, the cover letter should tell the user to complete § G and return the questionnaire within 60 days.

If no, the cover letter should tell the user to skip § G and return the questionnaire within 30 days.

If unknown, the cover letter should tell the user to return the questionnaire within 60 days if required to sample under § G, otherwise return the questionnaire within 30 days.

==> PLACE COMPLETED CHECKLIST IN USER'S INDUSTRY FILE

dmm 11/96

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: Saint Louis University; Frost Campus
Permit No:
Premise Address: 3505 Laclede Ave, 63103
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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Print or type name of signing official : Kevin Ferguson

Title: Health Physicist Telephone: 577-8609

Signature: Kevin Ferguson Date: 2/19/98

MSD

3556 Caroline St., C-306
St. Louis, MO 63104-1085
Phone: 314-577-8608
FAX: 314-268-5560

SAINT LOUIS
UNIVERSITY

Health Sciences Center

Office of
Environmental Safety

October 08, 1997

Douglas M. Mendoza
Industrial Waste Engineer
Metropolitan St. Louis Sewer District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(FAX #: 436-8753)

SUBJECT: Quarterly Reports Of Radionuclide Discharge For The Period July - Sept. 1997

Dear Mr. Mendoza:

Attached you will find copies of the MSD Industrial User Radioactive Materials Discharge Reports for all Saint Louis University and affiliated facilities. Copies of some of these reports for which wastewater permits are held have been forwarded to Mr. Gary Rauchenbach (Anheuser Busch Eye Institute, Saint Louis University Hospital, and Saint Louis University Health Sciences Center - Wohl Facility).

In order to avoid confusion, any discharges from the laboratories in Cardinal Glennon Hospital's basement (which had at one time been reported to you by our office) will be incorporated in the report filed with your office by Cardinal Glennon Hospital. Consequently, there is no report included for Cardinal Glennon Hospital with this letter.

If you have any questions regarding these reports, please contact me at 577-8609.

Sincerely,

Jim Stiegemeier

Jim Stiegemeier
Health Physicist

RECEIVED
OCT 1 0 1997
Environmental Compliance

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No:
Premise Address: **3505 Laclede Ave, 63103**
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None	0
TOTAL ACTIVITY DISCHARGED:	0

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

RECEIVED
OCT 10 1997
Environmental Compliance

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Print or type name of signing official : Jim Stiegemeier

Title: Health Physicist Telephone: 577-8609

Signature: Jim Stiegemeier Date: 10-8-1997

FILE INSERT FOR BULKY DOCUMENT

FILE NAME: ST. LOUIS UNIV - FROST

ACCOUNT NUMBER: 5112 1347-00

BECAUSE OF ITS BULK, THE FOLLOWING DOCUMENT
IS NOT CONTAINED IN THIS FOLDER

IT DOES CONTAIN MATERIAL OR INFORMATION
PERTINENT TO THIS FILE

DATE DOCUMENT WAS RECEIVED IN DEC: 8/11/97

COMPLETE TITLE OF DOCUMENT, WHO PREPARED AND DATE:

P 21995 STOCK & ASSOC 7/28/97

THE ABOVE DOCUMENT IS FILED
IN THE FOLLOWING LOCATION

WHERE FILED: ENGR. PLAN FILE

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
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PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
S-35	.00034
TOTAL ACTIVITY DISCHARGED:	.00034

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

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Print or type name of signing official : Jim Stiegemeier

Title: Health Physicist Telephone: 577-8609

Signature: Jim Stiegemeier Date: 7/16/97

RECEIVED
JUL 18 1997
Environmental Compliance

MSD 039239

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

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PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
S-35	.00096
TOTAL ACTIVITY DISCHARGED:	.00096

RECEIVED
APR 16 1997
Environmental Compliance

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

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Print or type name of signing official : Jim Stiegemeier

Title: Health Physicist Telephone: 577-8609

Signature: Jim Stiegemeier Date: 4/14/1997

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

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Permit No: -

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S-35	.000491
TOTAL ACTIVITY DISCHARGED:	.000491

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Print or type name of signing official : Jim Stiegemeier

Title: Health Physicist Telephone: 577-8609

Signature: JR Stiegemeier Date: 1/16/97

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METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**

Permit No: -

Premise Address: **3505 Laclede Ave, 63103**

Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ■(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
S-35	.00877
TOTAL ACTIVITY DISCHARGED:	.00877

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

☒ I certify that to the best of my knowledge and belief, all requirements of 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for materials regulated by the Missouri Department of Health have been met for the period covered by this report.

☒ I certify that to the best of my knowledge and belief, all requirements of 10 CFR Part 20.2003 governing disposal by release into sanitary sewage for material regulated by the Nuclear Regulatory Commission have been met for the period covered by this report.

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B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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 submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official : Jim Stiegemeier

Title: Health Physicist Telephone: 577-8609

Signature: Jim Stiegemeier Date: 10/14/96

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**

Permit No: -

Premise Address: **3505 Laclede Ave, 63103**

Reporting Period: ☐(JAN-MAR) ■(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
S-35	.00066
TOTAL ACTIVITY DISCHARGED:	.0066

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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Print or type name of signing official : Jim Stiegemeier

Title: Health Physics Technologist Telephone: 577-8609

Signature: Jim Stiegemeier Date: 7/15/96

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JUL 17 1996
Environmental Compliance

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METROPOLITAN ST. LOUIS SEWER DISTRICT

INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**

Permit No: -

Premise Address: **3505 Laclede Ave, 63103**

Reporting Period: ■(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
S-35	.00016
TOTAL ACTIVITY DISCHARGED:	.0016

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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Print or type name of signing official: Jim Stiegemeier

Title: Health Physics Technologist Telephone: 577-8609

Signature: Jim Stiegemeier Date: 4-12-96

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APR 16 1996

Environmental Compliance

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METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: **Saint Louis University; Frost Campus**
Permit No: -
Premise Address: **3505 Laclede Ave, 63103**
Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ■(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
S-35	.00001
TOTAL ACTIVITY DISCHARGED:	.00001

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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Print or type name of signing official : Mark Haenchen
Title: Radiation Safety Officer Telephone: 577-8609
Signature: Mark Haenchen Date: 1-16-96

RECEIVED
JAN 18 1996
Environmental Compliance

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: Saint Louis University; Frost Campus

Permit No: -

Premise Address: 3505 Laclede Ave. 63103

Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☒(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
S^{35}	.0003
TOTAL ACTIVITY DISCHARGED:	.0003

RECEIVED
OCT 25 1995
Environmental Compliance

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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B. RADIOACTIVE MATERIALS DISCHARGE REPORT CERTIFICATION

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Print or type name of signing official: Mark Haenchen

Title: Radiation Safety Officer Telephone: 544-8609

Signature: Mark Haenchen Date: October 23, 1995

radrpt 6/94

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: Saint Louis University; Frost Campus

Permit No: -

Premise Address: 3505 Laclede Ave. 63103

Reporting Period: ☐ (JAN-MAR) ☒ (APR-JUNE) ☐ (JULY-SEPT) ☐ (OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
S^{35}	.00013
TOTAL ACTIVITY DISCHARGED:	.00013

RECEIVED
JUL 28 1995
Environmental Compliance

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

MH I certify that to the best of my knowledge and belief, all requirements of 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Missouri Department of Health have been met for the period covered by this report.

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Print or type name of signing official: Mark Haenchen

Title: Radiation Safety Officer Telephone: 577-8609

Signature: Mark Haenchen Date: 7-27-95

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MAY 10 1995

Environmental Compliance

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: Saint Louis University; Frost Campus

Permit No: -

Premise Address: 3505 Laclede Ave. 63103

Reporting Period: ☒(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
S-35	.00007
TOTAL ACTIVITY DISCHARGED:	.00007

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

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Print or type name of signing official: Mark Haenchen

Title: Radiation Safety Officer Telephone: 577-8609

Signature: Mark Haenchen Date: APRIL 27, 1995

radrpt 6/94

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

MSD

PART I: IDENTIFYING INFORMATION

Company Name: Saint Louis University; Frost Campus

Permit No:

Premise Address: 3505 Laclede Ave. 63103

Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☐(JULY-SEPT) ☒(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
S^{35}	.0001
P^{32}	.00975
TOTAL ACTIVITY DISCHARGED:	.00985

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

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Print or type name of signing official: Mark Haenchen

Title: Radiation Safety Officer Telephone: 577-8609

Signature: Mark Haenchen Date: 1-27-95

radrpt 6/94

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL USER RADIOACTIVE MATERIALS DISCHARGE REPORT

PART I: IDENTIFYING INFORMATION

Company Name: Saint Louis University ; Frost Campus

Permit No:

Premise Address: 3505 Laclede Ave. 63103

Reporting Period: ☐(JAN-MAR) ☐(APR-JUNE) ☒(JULY-SEPT) ☐(OCT-DEC)

PART II: RECORD OF DISPOSAL OF RADIOACTIVE MATERIALS TO THE SEWER SYSTEM

RADIONUCLIDE	ACTIVITY DISCHARGED (millicuries)
S^{35}	.0007
TOTAL ACTIVITY DISCHARGED:	.0007

RECEIVED
OCT 27 1994
Environmental Compliance

PART III: CERTIFICATION STATEMENTS

Place your initials in the boxes under item A which apply to you. **Everyone must complete the information under item B and sign this report.**

A. CERTIFICATION OF COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

MGH I certify that to the best of my knowledge and belief, all requirements of 19 CSR Part 20-10.090 governing disposal by release into sanitary sewage for material regulated by the Missouri Department of Health have been met for the period covered by this report.

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Print or type name of signing official: Mark G. Haenchen

Title: Radiation Safety Officer Telephone: 577-8609

Signature: Mark G. Haenchen Date: Oct. 24, 1994

radrpt 6/94

MSD

FOR MSD USE ONLY	
Account Number: 51121347-00	Category: SIU CIU SUR HIFL NOTXWST (TXWST) NOPRFL MULTI
TA: Bissell	
TS: Old Mill Ck	JEG (Reviewer) 7/3/03 (Date)

METROPOLITAN ST. LOUIS SEWER DISTRICT
OFFICE OF ENVIRONMENTAL COMPLIANCE
INDUSTRIAL USER QUESTIONNAIRE

Note to Signing Official: In accordance with Title 40 of the Code of Federal Regulations Part 403, Section 403.14, information and data provided in this questionnaire, which identifies the nature and frequency of discharge, shall be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR Part 2. Should a discharge permit be required for your facility, the information in this questionnaire will be used to develop the permit.

SECTION A - GENERAL INFORMATION

1. Company Name: St. Louis University
2. Mailing Address: 3500 Lindell Fitzgerald Hall
   St. Louis, Mo. Zip Code: 63103
3. Premise Address: _____
   _____ Zip Code: _____
4. Person Authorized to Sign Reporting Documents:
   Name and Title: Jeff Horey Facilities Supervisor
   _____ Tel. No.: (314) 977-2916
5. Check One: [X] Existing Discharge
   [ ] Proposed Discharge If proposed, indicate discharge start date: _____
6. Shift Information:
   a. Number of shifts per work day: 3 and work days per week: 7
   b. Average number of employees per shift: 1st 1680 2nd 100 3rd 50 Total: 1830
   c. Shift start times: 1st 0:800 2nd 0600 3rd 24:00

SECTION B - PRODUCT OR SERVICE INFORMATION

1. Briefly describe the primary manufacturing or service activities at the premise address and list the applicable SIC number for each activity:

	PRIMARY ACTIVITY	SIC NUMBER
a.	Educational Institution	8221
b.		
c.		
d.		

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MSD 039252

MSD

Company Name: St. Louis University
Premise Address: 3500 Lindell
Account Number: 5112 1347-00

SECTION B - PRODUCT OR SERVICE INFORMATION (Continued)

2. Are primary activities generally batch or continuous processes ? [X] batch [] continuous

3. Principal raw materials used: None

4. Principal products produced: None

5. Check all activities which are conducted at your premise in addition to the primary activities described in B.1 above. Indicate the SIC number, if known. Do not check activities which are already included in B.1.

ACTIVITY	SIC NO.	ACTIVITY	SIC NO.
[] Adhesive and Sealants Mfg.		[] Mineral Mining and Processing	
[] Aluminum Forming		[] Nonferrous Metals Forming	
[] Asbestos Mfg.		[] Nonferrous Metals Mfg.	
[] Battery Mfg.		[] Organic Chem., Plastics & Synthetic Fibers Mfg.	
[] Builder's Paper and Roofing Felt Mfg.		[] Paint Formulating	
[] Carbon Black Mfg.		[] Painting, Finishing or Paint Stripping	
[] Cement Mfg.		[] Parts Washing	
[] Coil Coating		[] Paving and Roofing Materials	
[] Copper Forming		[] Pesticide Chem. Mfg., Formulating, Packaging	
[] Dairy Products Processing		[] Petroleum Refining	
[] Drum Reconditioning		[] Pharmaceutical Mfg.	
[] Electrical and Electronic Components		[] Phosphate Mfg.	
[] Electroplating		[] Photographic Processing	
[] Explosive Mfg.		[] Plastic Molding and Forming	
[] Feedlots		[] Porcelain Enameling	
[] Ferroalloy Mfg.		[] Printing and Publishing	
[] Fertilizer Mfg.		[] Pulp, Paper and Paperboard Mfg.	
[] Food Preparation		[] Q.C. Laboratory	
[] Fruit and Vegetable Processing		[] R & D Laboratory	
[] General Offices		[] Radioactive Materials Processing	
[] Glass Mfg.		[] Repair Shop, Garage	
[] Grain Milling		[] Rubber and Rubber Products Mfg.	
[] Gum and Wood Chemical Mfg.		[] Seafood Processing	
[] Hazardous Waste Treatment, Storage or Disposal		[] Soap and Detergent Mfg.	
[] Health Care or Hospital		[] Solvent Recycling	
[] Industrial Laundry		[] Steam Electric Power Generation	
[] Ink Formulating		[] Sugar Processing	
[] Inorganic Chemicals Mfg.		[] Textile Mills	
[] Iron and Steel Mfg.		[] Timber Products Mfg.	
[] Leather Tanning and Finishing		[] Transportation Equipment Cleaning	
[] Machine Shop		[] Transportation Services	
[] Machinery Mfg. or Rebuilding		[] Used Oil Reclamation	
[] Meat Processing		[] Vehicle/Equipment Washing	
[] Metal Finishing		[] Warehousing	
[] Metal Molding and Casting		[] Waste Recycling	
		[] Others (Describe)	

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6. Are your activities subject to seasonal variation? [X] Yes [] No
If "Yes," explain and indicate the month(s) of peak activity: September - May would be peak student loads. Summer Months June, July, August are lighter. Irrigation + Cooling tower demands are down during the winter months.

MSD

Company Name: Saint Louis University
Premise Address: 3500 Lindell
Account Number: 5112 1347 - 00

SECTION C - WATER CONSUMPTION AND WASTEWATER DISCHARGES

1. Raw Water Source(s):
   - [X] City of St. Louis Water Div.
   - [] St. Louis County Water Co.
   - [] Other municipal source _____
   - [] Hauled by contractor
   - [] Surface water
   - [] Private well
   - [] Other (describe) _____

2. Water Bill Addressee: 3500 Lindell - St. Louis Mo. 63103

3. Water Service Account Numbers: _____

4. List past twelve months water usage from: SEE ATTACHMENT [X] Water Bills [] Other Sources

1st 3 mo period	____Mo	____Yr	through	____Mo	____Yr	____Ccf	____Ccf
2nd 3 mo period	____Mo	____Yr	through	____Mo	____Yr	____Ccf	____Ccf
3rd 3 mo period	____Mo	____Yr	through	____Mo	____Yr	____Ccf	____Ccf
4th 3 mo period	____Mo	____Yr	through	____Mo	____Yr	____Ccf	____Ccf

5. Describe any treatment or conditioning process performed on the raw water before use: Water Softening Chemical treatment for Boilers and cooling systems

6. Identify all water uses within your facility:

Water Uses	Estimated Average Daily Use (Gallons per day)
a. Sanitary	125,418
b. Irrigation & lawn watering	25,000
c. Non-contact cooling water	40,935
d. Contact cooling water	
e. Process water	1,400
f. Plant & equipment washdown	50,000
g. Boiler	
h. Other uses Food prep.	6500
i. Total of USES (6a through 6h):	249,253

7. Identify all water losses and wastewater discharges from your facility:

Water Losses & Discharges	Estimated Average Daily Loss/Discharge (Gallons per Day)
a. Municipal sewer	190,142
b. Watercourse, storm drain, ground	25,000
c. Haulers	
d. Evaporation	34,111
e. Contained in product	
Additional irrigation Accounts Attached (78,074 GPD)	
f. Total of LOSSES & DISCHARGES:	249,253

(7a through 7e must equal total at 6i)

8. For each activity you listed in Sections B.1 and B.5, list the average water usage and average wastewater discharge. Attach additional sheets, if needed.

Item No.	Activity	Type of Discharge: Cont	Batch	None	Avg. Water Use (GPD)	Avg. Discharge to Mun Sewer (GPD)	Date when activity first commenced at this facility
B1-a	Biology, Chemistry labs	[]	X	[]	1400	1400	Jan. 1960
	Food Prep.	[]	X	[]	6500	6500	Jan. 1960
	Residence Halls	[]	X	[]	175,418	175,418	Jan. 1960
		[]	[]	[]			
		[]	[]	[]			
		[]	[]	[]			

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JUL 03 2003
DEPT. of ENVIRONMENTAL COMPLIANCE

MSD 039254

MSD

Company Name: St. Louis University
Premise Address: 3500 Lindell
Account Number: 5112-1347-00

SECTION D - SEWER CONNECTION INFORMATION

1. Attach a scale drawing of your premise, which shows:
   a. All buildings, structures, alleys, streets and other pertinent features.
   b. All sewers and drains, including all connections, inlets, manholes, vents and other access or control structures. Identify each sewer as sanitary, storm or combined and indicate its size.
   c. A sampling point for each connection to the public sewer.
   d. A sampling point for each discharge from a federally regulated categorical process.
   e. A sampling point for each discharge to a separate storm sewer or watercourse.

2. List each sampling point identified in 1.c, d and e above and each connection for which there is no sampling point. Assign a sequential reference number to each location, starting with No. 1. Attach additional sheets, if needed.

Reference Number	Sewer Size (inches)	Description of sewer sampling point or connection (Vent, manhole, valve, tank or other appurtenance. Indicate size and location)	Total Daily Average Flow (GPD)
1	6"	MH in Alley S of Lindell, Corner of DeMattias Hall	20,450
2	24"	MH in sidewalk, 300' E of Grand on Laclede	107,186
3	2'x3'	MH in sidewalk W of Olive Parking Garage on Lindell	8,600
4	18"	MH in Alley S of Lindell E of SP003	34,210
5	12"	MH on W. Pine, S of DeMattias Hall on Sidewalk	1,200

SECTION E - WASTEWATER INFORMATION

1. For each point listed in D.2 above, list the wastewater discharge corresponding to each water usage listed in Section C.6. Attach additional sheets, if needed.

Type of Wastewater	003 (1)	006 (2)	007 (3)	008 (4)	009 (5)	No SP ~~Facility Total (See instr.)~~	TOTAL
	Discharge Quantity (GPD) for each sampling point or connection listed in D.2						
a. Sanitary	12,000	78,108	1900	23,710	300	9400	125,418
b. Irrigation & lawn watering							
c. Non-contact cooling water	500	3,824	500	2,000			6,824
d. Contact cooling water							
e. Process (From C.8)							
Biology/chem Labs		1,400					1,400
f. Plant & equipment washdown	6,350	20,650	6,200	8,300	100	8400	50,000
g. Boiler blowdown							
h. Other (Food Prep)	1,600	3,200		200	800	700	6,500
Regeneration waste (C.5)							
Totals (Same as D.2):	20,450	107,182	8,600	34,210	1,200	18,500	190,142

2. If any of the above points discharge to a watercourse or to a separate storm sewer, complete the following:

NPDES Outfall Number					
NPDES Permit Number					

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3. Do any of the above sampling points also convey stormwater from your premise ?
   ■ Yes ☐ No ■ Yes ☐ No ■ Yes ☐ No ■ Yes ☐ No ■ Yes ☐ No Yes

4. Do you pretreat any of the wastes discharged through any of the above points ?
   ■ Yes ☐ No ■ Yes ☐ No ☐ Yes ■ No ■ Yes ☐ No ☐ Yes ■ No No

MSD 039255

MSD

Company Name: St. Louis University
Premise Address: 3500 Lindell
Account Number: 5112 1347-00

SECTION E - WASTEWATER INFORMATION (Continued)

5. Describe the type of wastewater pretreatment you employ prior to each point for which you marked "Yes" in E.4:

Point No.	Pretreatment System Description
003	Kitchen Grease traps
006	Kitchen Grease traps
008	" " "

6. Does your facility have:
   a. A spill control plan ? [X] Yes [] No
   b. A waste minimization plan ? [X] Yes [] No
   c. A solvent management plan ? [X] Yes [] No
   d. A slug discharge control plan ? [] Yes [X] No

7. If any wastewater analyses have been performed on the wastewater discharges from your facility attach copies of the most recent data. Be sure to specify the locations from which the samples were collected. Attach sketches, plans, drawings, etc. as necessary.

8. Priority Pollutant Information: Check one of the four boxes by each listed chemical to indicate whether it is: "Suspected Absent," "Known Absent," "Suspected Present" or "Known Present" ON YOUR PREMISE. Any chemical which is used in your manufacturing or service activity or is generated as a product or as a by-product should be marked "Known Present." Some pollutants are known by other names. Refer to the instruction booklet for those pollutants which have an asterisk (*).

SA = "Suspected Absent" KA = "Known Absent" SP = "Suspected Present" KP = "Known Present"

Item No.	PRIORITY POLLUTANT	SA	KA	SP	KP
1.	asbestos (fibrous)	[]	[]	[]	X
2.	cyanide (total)	[]	[]	[]	X
3.	antimony (total)	X	[]	[]	[]
4.	arsenic (total)	[]	[]	[]	X
5.	beryllium (total)	X	[]	[]	[]
6.	cadmium (total)	X	[]	[]	[]
7.	chromium (total)	[]	[]	[]	X
8.	copper (total)	[]	[]	[]	X
9.	lead (total)	[]	[]	[]	X
10.	mercury (total)	[]	[]	[]	X
11.	nickel (total)	[]	[]	[]	X
12.	selenium (total)	[]	[]	X	[]
13.	silver (total)	[]	[]	[]	X
14.	thallium (total)	X	[]	[]	[]
15.	zinc (total)	[]	[]	[]	X
16.	acenaphthene	[]	X	[]	[]
17.	acenaphthylene	[]	X	[]	[]
18.	acrolein	X	[]	[]	[]
19.	acrylonitrile	[]	X	[]	[]
20.	aldrin	[]	X	[]	[]
21.	anthracene	[]	X	[]	[]
22.	benzene	[]	[]	[]	X
23.	benzidine	[]	X	[]	[]
24.	benzo (a) anthracene *	[]	X	[]	[]
25.	benzo (a) pyrene	[]	X	[]	[]
26.	benzo (b) fluoranthene	[]	X	[]	[]
27.	benzo (g,h,i) perylene *	[]	X	[]	[]
28.	benzo (k) fluoranthene *	[]	X	[]	[]
29.	alpha-BHC	[]	X	[]	[]
30.	beta-BHC	[]	X	[]	[]
31.	delta-BHC	[]	X	[]	[]
32.	gamma-BHC *	[]	X	[]	[]
33.	bis (2-chloroethyl) ether *	[]	X	[]	[]
34.	bis (2-chloroethoxy) methane *	[]	X	[]	[]
35.	bis (2-chloroisopropyl) ether *	[]	X	[]	[]
36.	Reserved				
37.	bis (2-ethylhexyl) phthalate	[]	X	[]	[]
38.	bromodichloromethane *	[]	X	[]	[]
39.	bromoform *	[]	X	[]	[]
40.	bromomethane *	[]	X	[]	[]
41.	4-bromophenylphenyl ether	[]	X	[]	[]
42.	butylbenzyl phthalate	[]	X	[]	[]
43.	carbon tetrachloride *	[]	[]	[]	X
44.	chlordane	[]	X	[]	[]
45.	4-chloro-3-methylphenol *	[]	X	[]	[]
46.	chlorobenzene	[]	[]	[]	X
47.	chloroethane *	[]	X	[]	[]
48.	2-chloroethylvinyl ether	[]	X	[]	[]
49.	chloroform *	[]	[]	[]	X
50.	chloromethane *	[]	X	[]	[]
51.	2-chloronaphthalene	[]	X	[]	[]
52.	2-chlorophenol *	[]	X	[]	[]
53.	4-chlorophenylphenyl ether	[]	X	[]	[]
54.	chrysene *	[]	X	[]	[]
55.	4, 4'-DDD *	[]	X	[]	[]
56.	4, 4'-DDE *	[]	X	[]	[]
57.	4, 4'-DDT *	[]	X	[]	[]
58.	dibenzo (a,h) anthracene *	[]	X	[]	[]
59.	dibromochloromethane	X	[]	[]	[]
60.	1, 2-dichlorobenzene *	[]	[]	X	[]
61.	1, 3-dichlorobenzene *	[]	[]	X	[]
62.	1, 4-dichlorobenzene *	[]	[]	X	[]
63.	3, 3'-dichlorobenzidine	[]	X	[]	[]
64.	Reserved				
65.	1, 1-dichloroethane *	[]	[]	X	[]
66.	1, 2-dichloroethane *	[]	[]	X	[]
67.	1, 1-dichloroethene	[]	[]	X	[]
68.	trans-1, 2-dichloroethene *	[]	X	[]	[]
69.	2, 4-dichlorophenol	[]	X	[]	[]
70.	1, 2-dichloropropane *	[]	[]	X	[]

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Continued on next page

MSD 039256

MSD

Company Name: St. Louis University
Premise Address: 3500 Lindell
Account Number: 5112 1347-00

SECTION E - WASTEWATER INFORMATION (Continued)

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Priority Pollutant Information (Continued)

SA = "Suspected Absent" KA = "Known Absent" SP = "Suspected Present" KP = "Known Present"

Item No.	PRIORITY POLLUTANT	SA	KA	SP	KP
71.	(cis & trans) 1, 3-dichloropropene *		X		
72.	dieldrin		X		
73.	diethylphthalate *			X	
74.	2, 4-dimethylphenol *		X		
75.	dimethyl phthalate			X	
76.	di-n-butyl phthalate			X	
77.	di-n-octyl phthalate *	X			
78.	4, 6-dinitro-2-methylphenol *		X		
79.	2, 4-dinitrophenol			X	
80.	2, 4-dinitrotoluene			X	
81.	2, 6-dinitrotoluene			X	
82.	1, 2-diphenylhydrazine *		X		
83.	endosulfan I *		X		
84.	endosulfan II *		X		
85.	endosulfan sulfate		X		
86.	endrin		X		
87.	endrin aldehyde		X		
88.	ethylbenzene			X	
89.	fluoranthene		X		
90.	fluorene *		X		
91.	heptachlor		X		
92.	heptachlor epoxide		X		
93.	hexachlorobenzene *			X	
94.	hexachlorobutadiene		X		
95.	hexachlorocyclopentadiene *		X		
96.	hexachloroethane *	X			
97.	indeno (1, 2, 3-cd) pyrene *		X		
98.	isophorone *		X		
99.	methylene chloride *				X
100.	naphthalene				X
101.	nitrobenzene				X
102.	2-nitrophenol			X	
103.	4-nitrophenol *	X			
104.	N-nitrosodimethylamine *		X		
105.	N-nitrosodi-n-propylamine *		X		
106.	N-nitrosodiphenylamine		X		
107.	PCB-1016 *		X		
108.	PCB-1221 *		X		
109.	PCB-1232 *		X		
110.	PCB-1242 *		X		
111.	PCB-1248 *		X		
112.	PCB-1254 *		X		
113.	PCB-1260 *		X		
114.	pentachlorophenol		X		
115.	phenanthrene		X		
116.	phenol			X	
117.	pyrene		X		
118.	2, 3, 7, 8-tetrachlorodibenzo-p-dioxin *		X		
119.	1, 1, 2, 2-tetrachloroethane *	X			
120.	tetrachloroethene *	X			
121.	toluene *				X
122.	toxaphene		X		
123.	1, 2, 4-trichlorobenzene	X			
124.	1, 1, 1-trichloroethane *	X			
125.	1, 1, 2-trichloroethane *	X			
126.	trichloroethene *	X			
127.	Reserved				
128.	2, 4, 6-trichlorophenol		X		
129.	vinyl chloride *	X			

9. For priority pollutants in E.8, which are indicated "Known Present," list and provide the following information for each: (Attach additional sheets, if needed.)

ITEM No.	PRIORITY POLLUTANT	HOW USED	ANNUAL USAGE (lbs)	LOSS TO SEWER (lbs)
1	Asbestos	Building Construction / Insulation etc.	0	0
2	Cyanide	Lab Reagent	.05	0
4	Arsenic	Lab Reagent	.05	0
7	Chromium	Glassware Cleaner	2.0	2.0
8	Copper	General Chemistry Reagent	5.0	0
9	Lead	General Chemistry Reagent	5.0	0
10	mercury	Thermometers, Barometers, manometers	5.0	0
11	Nickel	Lab Reagent	1.0	0
13	Silver	Lab Reagent	1.0	0
15	Zink	Lab Reagent	5	1.0
22	Benzene	General Lab Solvent	5.0	1.0
99	Methylene Chloride	Extraction Solvent	10	1.0
121	Toulene	General Lab Solvent	50	1.0
49	Chloroform	Extraction Solvent	10.	1.0
46	~~Methylene Chloride~~ chloro benzene	Chemical intermediate	5.0	0.5

MSD 039257

MSD

Company Name: St. Louis University
Premise Address: 3500 Lindell
Account Number: 5112 1347-00

SECTION F - NON-SEWERED WASTES

1. Do you generate any liquid wastes or sludges which are not disposed in the sewer system? [X] Yes [] No
If "Yes" complete items 2 and 3 below. Note: Be sure to include wastewaters listed in Section C.7.c.
If "No" skip remainder of this section.

2. Information on non-sewered waste:

Type of Waste	Estimated Quantity Disposed/yr	Units	Store On-site	Dispose On-site	Dispose Off-site
[] Acids and/or Alkalies			[]	[]	[]
[] Equipment Oils and/or Grease			[]	[]	[]
[] Infectious Waste			[]	[]	[]
[] Inks/ Dyes			[]	[]	[]
[X] Kitchen/Food Service Grease	550	gallons	[X]	[]	[X]
[] Organic Compounds			[]	[]	[]
[X] Paints or Paint Sludges	40	gallon	[X]	[]	[X]
[] Pesticides			[]	[]	[]
[] Pretreatment Sludges			[]	[]	[]
[] Radioactive Waste			[]	[]	[]
[] Solvents/Thinners			[]	[]	[]
[] Other			[]	[]	[]
			[]	[]	[]
			[]	[]	[]

3. List your USEPA and/or MDNR Hazardous Waste generator numbers:
USEPA _____ MDNR _____

SECTION G - INDUSTRIAL WASTE SURCHARGE INFORMATION

1. Provide the following analytical information for each sampling point or each connection to the public sewer only if your water usage exceeds 80 Ccf per month. Representative samples of the wastewater in each sewer must be collected and analyzed for the listed parameters. Report the daily average concentrations in mg/l for each point.

Parameter	Sewer Reference Numbers (Refer to Section D.2) If more than 5, attach additional sheets				
	1	2	3	4	5
Total Solids					
Total Suspended Solids					
Biochemical Oxygen Demand (5 day)					
Chemical Oxygen Demand					
Flow (GPD)					
Date Sampled					
Time Sampled					
Type of Sample					

Collected By (Name of organization): _____
Analyzed By (Name of organization): _____

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MSD 039258

MSD

Company Name: St. Louis University
Premise Address: 3500 Lindell
Account Number: 5112 1347-00

SECTION H - CERTIFICATION AND SIGNATURE

1. The following individual may be contacted regarding the information contained in this questionnaire:

   Name and Title of Contact person: Jeff Hovey Facilities Supervisor

   Tel. No.: (314) 977-2916

2. "I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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 submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

   Name and Title of Signing Official: Jeff Hovey Facilities Supervisor

   Tel. No.: (314) 977-2916

   Signature: Jeff Hovey Date: July 2, 03

List attachments included with this questionnaire:

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MSD 039259

IUQ
Pg 3 SECTION C

MSD

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

INDUSTRY NAME: ST LOUIS UNIVERSITY
PRIMARY MSD ACCOUNT NO: 5112134700

Premise Address 3500 Lindell
St Louis, MO 63108

WATER CONSUMPTION AND WASTE WATER DISCHARGE

Sewer Accounts
5112119505
5112129001
5112134700
5112142606
5112142702
5112142903
5112143002
5112143201
5112387901
5112409900
9011636101

Start Date: 06/01/2001 End Date = 12/31/2003

Acct No.			Consumption CCF's	Consumption Gallons	Wdays	Cdays	Discharge Gal / Wday	Discharge Gal / Cday
5112119505								
3521 LINDELL	05/03/2001	08/01/2001	0		91	91		
	08/02/2001	11/02/2001	0		93	93		
	11/03/2001	02/07/2002	0		97	97		
	02/08/2002	05/07/2002	10		89	89		
	05/08/2002	08/06/2002	280		91	91		
RF 1.00	Acct. Total		290	216,935	461	461	471	471
5112129001			CCF's	Gallons			Gal / Wday	Gal / Cday
3590 LINDELL	05/03/2001	08/01/2001	2,330		91	91		
	08/02/2001	11/02/2001	3,940		93	93		
	11/03/2001	02/07/2002	510		97	97		
	02/08/2002	05/07/2002	1,130		89	89		
	05/08/2002	08/06/2002	3,110		91	91		
RF 1.00	Acct. Total		11,020	8,243,533	461	461	17,882	17,882
5112134700			CCF's	Gallons			Gal / Wday	Gal / Cday
3600 LINDELL	05/02/2001	08/09/2001	28,540		100	100		
	08/10/2001	11/13/2001	30,638		96	96		
	11/14/2001	02/14/2002	24,247		93	93		
	02/15/2002	05/01/2002	19,405		76	76		
	05/02/2002	08/09/2002	29,694		100	100		
RF 0.80	Acct. Total		132,524	99,134,843	465	465	170,555	170,555
5112142606			CCF's	Gallons			Gal / Wday	Gal / Cday
3840 LINDELL	05/08/2001	08/06/2001	0		91	91		
	08/07/2001	11/06/2001	410		92	92		
	11/07/2001	02/19/2002	163		105	105		
	02/20/2002	05/07/2002	200		77	77		
	05/08/2002	08/06/2002	466		91	91		
RF 1.00	Acct. Total		1,239	926,836	456	456	2,033	2,033
5112142702			CCF's	Gallons			Gal / Wday	Gal / Cday
3824 LINDELL	05/08/2001	08/02/2001	570		87	87		
	08/03/2001	11/06/2001	540		96	96		
	11/07/2001	02/08/2002	130		94	94		
	02/09/2002	05/07/2002	130		88	88		
	05/08/2002	08/06/2002	600		91	91		
RF 1.00	Acct. Total		1,970	1,473,662	456	456	3,232	3,232
5112142903			CCF's	Gallons			Gal / Wday	Gal / Cday
3800-10 LINDELL	05/08/2001	08/02/2001	70		87	87		
	08/03/2001	11/08/2001	140		98	98		
	11/09/2001	02/08/2002	110		92	92		
	02/09/2002	05/07/2002	120		88	88		
	05/08/2002	08/06/2002	70		91	91		
RF 1.00	Acct. Total		510	381,507	456	456	837	837
5112143002			CCF's	Gallons			Gal / Wday	Gal / Cday
3750 LINDELL	05/08/2001	08/02/2001	120		87	87		
	08/03/2001	11/06/2001	150		96	96		
	11/07/2001	02/08/2002	90		94	94		
	02/09/2002	05/07/2002	110		88	88		
	05/08/2002	08/06/2002	110		91	91		
RF 1.00	Acct. Total		580	433,870	456	456	951	951
5112143201			CCF's	Gallons			Gal / Wday	Gal / Cday
3740 LINDELL	05/08/2001	08/02/2001	10		87	87		
	08/03/2001	11/06/2001	10		96	96		
	11/07/2001	02/08/2002	10		94	94		
	02/09/2002	05/07/2002	10		88	88		
	05/08/2002	08/06/2002	10		91	91		

METROPOLITAN ST. LOUIS SEWER DISTRICT
INDUSTRIAL DATA SHEET - FACILITY INFORMATION

MSD
MSD

INDUSTRY NAME: ST LOUIS UNIVERSITY
PRIMARY MSD ACCOUNT NO: 5112134700

Premise Address 3500 Lindell
St Louis, MO 63108

3500 LINDELL	RF 5112387901	1.00	Acct. Total	50 CCF's	37,403 Gallons	456	456	82 Gal / Wday	82 Gal / Cday
		05/03/2001	08/01/2001	1,100		91	91		
		08/02/2001	11/02/2001	970		93	93		
		11/03/2001	02/07/2002	410		97	97		
		02/08/2002	05/07/2002	220		89	89		
		05/08/2002	08/06/2002	1,080		91	91		
3550 LINDELL	RF 5112409900	1.00	Acct. Total	3,780 CCF's	2,827,637 Gallons	461	461	6,134 Gal / Wday	6,134 Gal / Cday
		05/04/2001	08/02/2001	100		91	91		
		08/03/2001	11/02/2001	120		92	92		
		11/03/2001	02/13/2002	120		103	103		
		02/14/2002	05/07/2002	130		83	83		
		05/08/2002	08/06/2002	70		91	91		
3450 LINDELL	RF 9011636101	1.00	Acct. Total	540 CCF's	403,948 Gallons	460	460	878 Gal / Wday	878 Gal / Cday
		05/03/2001	08/01/2001	2,160		91	91		
		08/02/2001	11/02/2001	1,740		93	93		
		11/03/2001	02/07/2002	490		97	97		
		02/08/2002	05/07/2002	610		89	89		
		05/08/2002	08/06/2002	2,450		91	91		
	RF	1.00	Acct. Total	7,450	5,572,987	461	461	12,089	12,089
			Facility Total	159,953				215,142	215,142

MCHQP01 (MCHQ) CCF CONSUMPTION HISTORY

MSD ACCT NO: 51950021 - 03 WATER AGCY NO: S00000000023070200

AGCY ON/OFF	NAME/PREM ADDR	CONS CODE	SRVC CODE	SP HNDL	RD FQ	BI FQ	A S N	BII CYC/P 5
00/00/00	¢UNIVERSITY PROPTY INC	A	S	N	Q	M	N	
00/00/00	03520 LACLEDE	LAST UPDATED: 07/22/93						

READINGS

	DATE	USAGE	ST	DAY DUR	ACCT STAT		DATE	USAGE	ST	DAY DUR	ACCT STAT
1)	01/30/99	6,610	R			10)	05/02/01	9,000	R	090	AC
2)	05/01/99	7,530	R	091	AC	11)	08/02/01	6,894	R	092	AC
3)	07/31/99	7,710	R	091	AC	12)	11/02/01	8,305	R	092	AC
4)	10/30/99	8,610	R	091	AC	13)	02/07/02	7,440	R	097	AC
5)	02/01/00	7,260	R	094	AC	14)	05/07/02	7,050	R	089	AC
6)	05/01/00	7,980	R	090	AC	15)	08/06/02	7,360	R	091	AC
7)	08/01/00	9,570	R	092	AC	16)	11/12/02	8,740	R	098	AC
8)	11/01/00	8,910	R	092	AC	17)	02/07/03	5,620	R	087	AC
9)	02/01/01	7,760	R	092	AC	18)	05/07/03	7,160	R	089	AC

DATE READINGS LAST UPDATED: 06/03/03 INDEX TO LAST READING: 18

COUNTY CODE/REASON: -OR- CITY DISTRICT:

STATUS FROM MASTER: 01

DAYS DURATION: 00C

ENTER=> BILLING DATA CLEAR=> RETURN TO MENU PF5 ==> WTR REGISTRANT HIS

28880 x 748 = 21602240 / 365 = 59,184 gpd

Additional accounts for irrigation.
These accounts are not entered in ECIMS

Date: 07/03/2003 Time: 07:57:13 AM

MCHQP01 (MCHQ) CCF CONSUMPTION HISTORY

MSD ACCT NO: 51121359 - 00 WATER AGCY NO: S00000000023080400

AGCY ON/OFF	NAME/PREM ADDR	CONS CODE	SRVC CODE	SP HNDL	RD FQ	BI FQ	A S	BII CYC/P
00/00/00	¢ST L UNIVERSITY	C	S	N	Q	M		5
00/00/00	03634 LACLEDE	LAST UPDATED: 05/18/91						

READINGS

	DATE	USAGE	ST	DAY DUR	ACCT STAT		DATE	USAGE	ST	DAY DUR	ACCT STAT
1)	02/01/99	53	R			10)	05/07/01	517	R	095	AC
2)	05/02/99	323	R	090	AC	11)	08/02/01	3,028	R	087	AC
3)	08/01/99	3,818	R	091	AC	12)	11/05/01	2,521	R	095	AC
4)	10/30/99	2,458	R	090	AC	13)	02/08/02	567	R	095	AC
5)	02/02/00	409	R	095	AC	14)	05/07/02	282	R	088	AC
6)	05/02/00	378	R	090	AC	15)	08/06/02	3,465	R	091	AC
7)	08/01/00	2,787	R	091	AC	16)	11/13/02	2,208	R	099	AC
8)	11/01/00	1,777	R	092	AC	17)	02/07/03	526	R	086	AC
9)	02/01/01	48	R	092	AC	18)	05/23/03	717	R	105	AC

DATE READINGS LAST UPDATED: 06/03/03 INDEX TO LAST READING: 18

COUNTY CODE/REASON: -OR- CITY DISTRICT:

STATUS FROM MASTER: 01

DAYS DURATION: 00C

ENTER=> BILLING DATA CLEAR=> RETURN TO MENU PF5 ==> WTR REGISTRANT HIS

6916 x 748 = 5173168/365 = 14,170 gpd

Date: 07/03/2003 Time: 07:39:16 AM

MSD

MCHQP01 (MCHQ) CCF CONSUMPTION HISTORY

MSD ACCT NO: 51121427 - 02 WATER AGCY NO: S00000000023098800

AGCY ON/OFF	NAME/PREM ADDR	CONS CODE	SRVC CODE	SP HNDL	RD FQ	BI FQ	A S	BII CYC/P
01/14/97	¢ST LOUIS UNIVERSITY	C	S	N	Q	M		5
00/00/00	03824 LINDELL	LAST UPDATED: 05/18/91						

READINGS

	DATE	USAGE	ST	DAY DUR	ACCT STAT		DATE	USAGE	ST	DAY DUR	ACCT STAT
1)	02/01/99	110	R			10)	05/07/01	160	R	094	AC
2)	05/02/99	90	R	090	AC	11)	08/02/01	570	R	087	AC
3)	08/01/99	630	R	091	AC	12)	11/06/01	540	R	096	AC
4)	10/30/99	500	R	090	AC	13)	02/08/02	130	R	094	AC
5)	02/02/00	110	R	095	AC	14)	05/07/02	130	R	088	AC
6)	05/02/00	140	R	090	AC	15)	08/06/02	600	R	091	AC
7)	08/01/00	490	R	091	AC	16)	11/13/02	350	R	099	AC
8)	11/01/00	520	R	092	AC	17)	02/11/03	80	R	090	AC
9)	02/02/01	110	R	093	AC	18)	05/07/03	160	R	085	AC

DATE READINGS LAST UPDATED: 06/03/03 INDEX TO LAST READING: 18

COUNTY CODE/REASON: -OR- CITY DISTRICT:

STATUS FROM MASTER: 01

DAYS DURATION: 00C

ENTER=> BILLING DATA CLEAR=> RETURN TO MENU PF5 ==> WTR REGISTRANT HIS

~~60059~~

1190 x 748 = 890120/365 = 2435 gpd

Date: 07/03/2003 Time: 07:40:56 AM

MSD

MCHQP01 (MCHQ) CCF CONSUMPTION HISTORY

MSD ACCT NO: 51121429 - 03 WATER AGCY NO: S00000000023099000

AGCY ON/OFF	NAME/PREM ADDR	CONS CODE	SRVC CODE	SP HNDL	RD FQ	BI FQ	A S	BII CYC/F
02/05/98	¢SAINT LOUIS UNIVERSITY	C	S	N	Q	M		5
00/00/00	03800 LINDELL	LAST UPDATED: 05/18/91						

READINGS

	DATE	USAGE	ST	DAY DUR	ACCT STAT		DATE	USAGE	ST	DAY DUR	ACCT STAT
1)	05/02/99	126	R	090	AC	10)	08/02/01	70	R	087	AC
2)	08/01/99	66	R	091	AC	11)	11/08/01	140	R	098	AC
3)	10/30/99	141	R	090	AC	12)	02/08/02	110	R	092	AC
4)	02/14/00	24,675	O	107	AC	13)	05/07/02	120	R	088	AC
5)	05/04/00	75	R	080	AC	14)	08/06/02	70	R	091	AC
6)	08/08/00	35	R	096	AC	15)	11/19/02	164	R	105	AC
7)	11/01/00	87	R	085	AC	16)	02/11/03	105	R	084	AC
8)	02/07/01	93	R	098	AC	17)	00/00/00	0			
9)	05/07/01	140	R	089	AC	18)	00/00/00	0			

DATE READINGS LAST UPDATED: 06/03/03 INDEX TO LAST READING: 16

COUNTY CODE/REASON: -OR- CITY DISTRICT:

STATUS FROM MASTER: 01

DAYS DURATION: 00(

ENTER=> BILLING DATA CLEAR=> RETURN TO MENU PF5 ==> WTR REGISTRANT HIS

$459 \times 748 = 343332 / 365 = 940$ gpd

Date: 07/03/2003 Time: 07:40:35 AM

MSD

MCHQP01 (MCHQ) CCF CONSUMPTION HISTORY

MSD ACCT NO: 51121430 - 02 WATER AGCY NO: S00000000023099200

AGCY ON/OFF	NAME/PREM ADDR	CONS CODE	SRVC CODE	SP HNDL	RD FQ	BI FQ	A S	BII CYC/P
00/00/00	¢ST LOUIS UNIVERSITY	C	S	N	Q	M		5
00/00/00	03750 LINDELL	LAST UPDATED: 03/05/01					PGM	

READINGS

	DATE	USAGE	ST	DAY DUR	ACCT STAT		DATE	USAGE	ST	DAY DUR	ACCT STAT
1)	02/01/99	100	R			10)	05/07/01	110	R	094	AC
2)	05/02/99	120	R	090	AC	11)	08/02/01	120	R	087	AC
3)	08/01/99	140	R	091	AC	12)	11/06/01	150	R	096	AC
4)	10/30/99	180	R	090	AC	13)	02/08/02	90	R	094	AC
5)	02/02/00	100	R	095	AC	14)	05/07/02	110	R	088	AC
6)	05/02/00	100	R	090	AC	15)	08/06/02	110	R	091	AC
7)	08/01/00	120	R	091	AC	16)	11/13/02	140	R	099	AC
8)	11/01/00	140	R	092	AC	17)	02/11/03	80	R	090	AC
9)	02/02/01	120	R	093	AC	18)	05/07/03	110	R	085	AC

DATE READINGS LAST UPDATED: 06/03/03 INDEX TO LAST READING: 18

COUNTY CODE/REASON: -OR- CITY DISTRICT:

STATUS FROM MASTER: 01

DAYS DURATION: 00C

ENTER=> BILLING DATA CLEAR=> RETURN TO MENU PF5 ==> WTR REGISTRANT HIS

440 x 748 = 329120 / 365 = 900 gpd

Date: 07/03/2003 Time: 07:42:08 AM

MSD

MCHQP01 (MCHQ) CCF CONSUMPTION HISTORY

MSD ACCT NO: 90118641 - 01 WATER AGCY NO: S00000000024404400

AGCY ON/OFF	NAME/PREM ADDR	CONS CODE	SRVC CODE	SP HNDL	RD FQ	BI FQ	A S	BII CYC/P
07/23/97	¢ST LOUIS UNIVERSITY	C	N	N	Q	M		5
00/00/00	03420 OLIVE	LAST UPDATED: 10/02/00					PGM	

READINGS

	DATE	USAGE	ST	DAY DUR	ACCT STAT		DATE	USAGE	ST	DAY DUR	ACCT STAT
1)	10/30/99	320	R			10)	02/07/02	20	R		
2)	02/01/00	30	R			11)	05/06/02	8	R		
3)	05/01/00	0	R			12)	11/12/02	200	R		
4)	08/01/00	180	R			13)	02/07/03	0	R		
5)	11/01/00	170	R			14)	05/07/03	10	R		
6)	02/01/01	0	R			15)	00/00/00	0			
7)	05/02/01	20	R			16)	00/00/00	0			
8)	08/01/01	360	R			17)	00/00/00	0			
9)	11/02/01	240	R			18)	00/00/00	0			

DATE READINGS LAST UPDATED: 06/03/03 INDEX TO LAST READING: 14

COUNTY CODE/REASON: -OR- CITY DISTRICT:

STATUS FROM MASTER: 07

DAYS DURATION: 00(

ENTER=> BILLING DATA CLEAR=> RETURN TO MENU PF5 ==> WTR REGISTRANT HIS

218 x 748 = 163064 / 365 = 445 gpd

Date: 07/03/2003 Time: 07:43:13 AM

MSD-DEC INDUSTRY SAMPLING MAP

MSD

Company Name: ST LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63103

Nearest Intersection: N GRAND

Wunnenberg: H20-27 Base Map: 19F4

MSD Account No.: 51121347-00

Total No. of Active Sample Points: 5

Active SP Nos: 003,006,007,008,009

Field Contact: JEFF HOVEY (977-2916)

Alternate Contact: TOM THEURER

Must contact prior to sampling: Yes ____ No X

Reason: ____

Company wants to split samples: Yes ____ No X

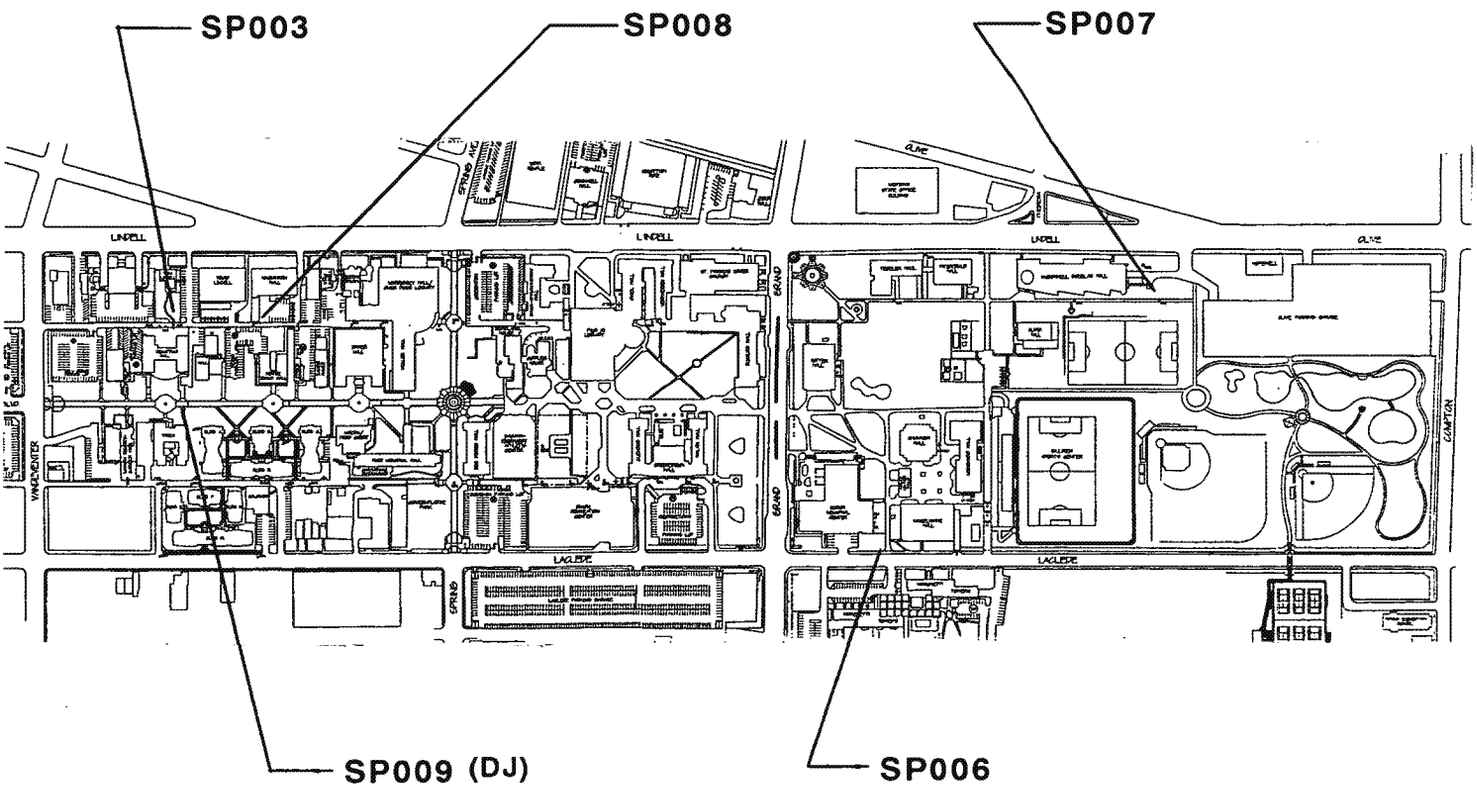
Special Sampling Requirements or Instructions: ____

Map Effective Date: 7-1-99 By: DAB

Map Revision Date: 06-30-03 By: JEG

Map Revision Date: ____ By: ____

Map Void Date: 4/25/07 By: JEG



SK-STLC/SLU-P1

SP MAP DMM-10/98-1

MAP IS INVALID IF NOT DATED AND INITIALED OR IF VOID DATE IS FILLED IN

MSD-DEC INDUSTRY SAMPLING MAP MSD

Company Name: ST LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63103

MSD Account No.: 51121347-00

Use this sheet only for page 2 and following pages.

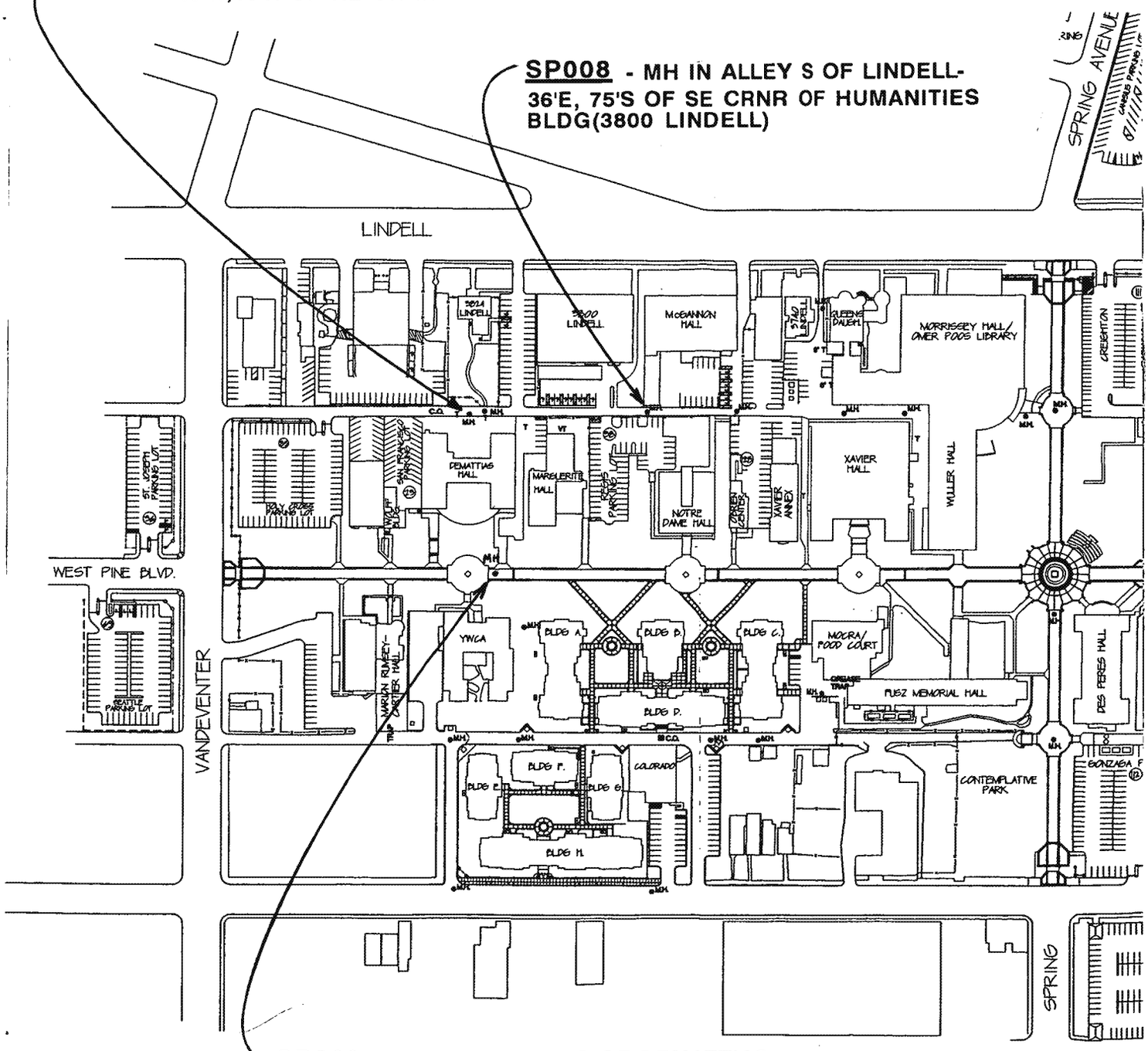
This page is not valid unless a page 1 using the proper form is attached.

Map Effective/Revision/Void Date must correspond to the date on page 1.

Map Effective Date:	7-1-99	By: DAB	Map Revision Date:		By:
Map Revision Date:	06-30-03	By: JEG	Map Void Date:	4/25/07	By: JEG

SP003 - MH BY DUMPSTER IN ALLEY S OF LINDELL 48'W,15'N OF NE CRNR OF DEMATTIAS HALL

SP008 - MH IN ALLEY S OF LINDELL- 36'E, 75'S OF SE CRNR OF HUMANITIES BLDG(3800 LINDELL)



SP009 - MH ON W PINE, S OF DEMATTIAS HALL - 411'E OF VANDEVENTER (DJ)

SK-STL/SLU-P2

MAP IS INVALID IF NOT DATED AND INITIALED OR IF VOID DATE IS FILLED IN

MSD

MSD-DEC INDUSTRY SAMPLING M

Company Name: SAINT LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63103

MSD Account No.: 51121347-00

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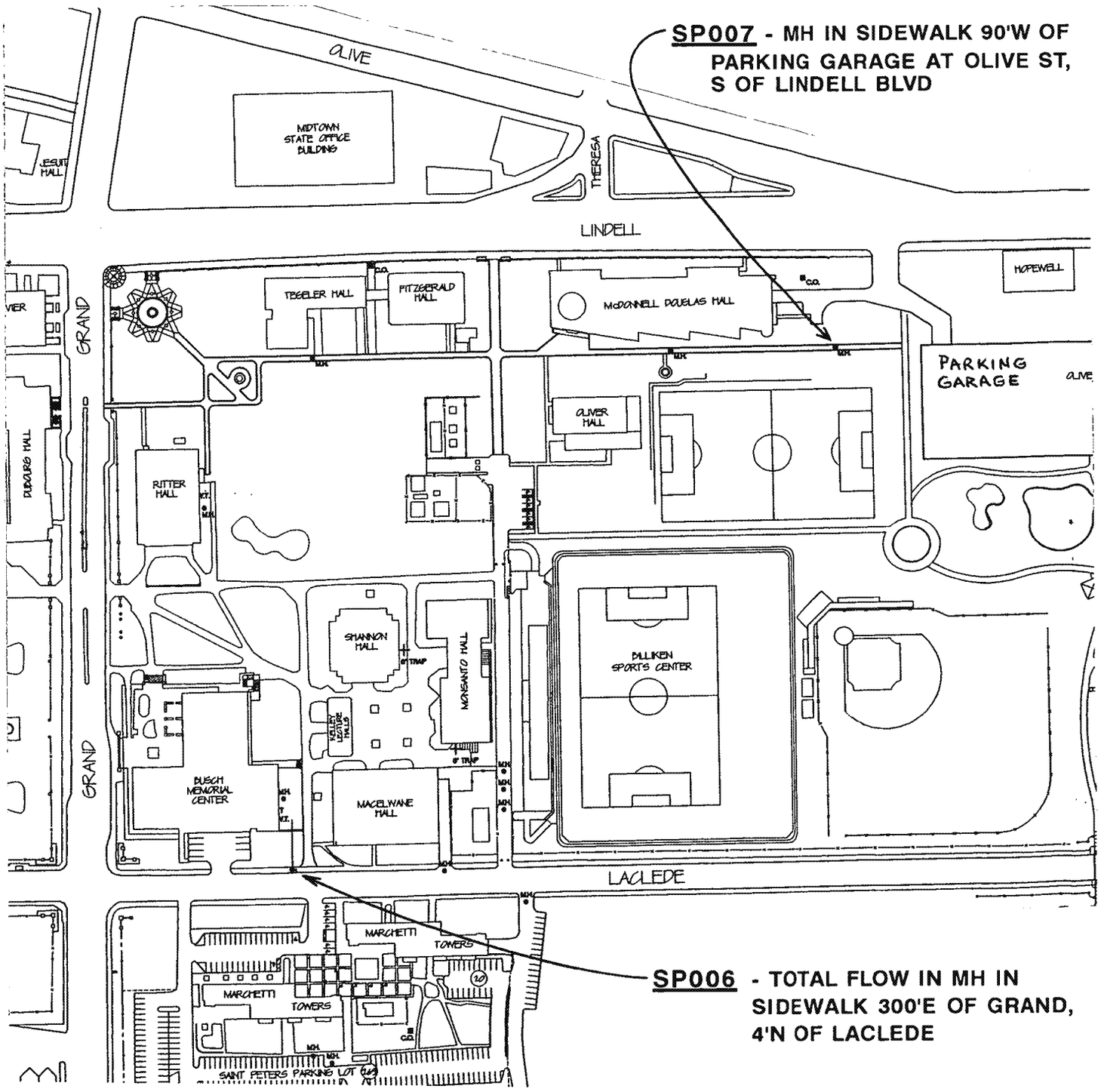
Map Effective Date: 7-1-99 By: DAB Map Revision Date: By:

Map Revision Date: 06-30-03 By: JEG Map Void Date: 4/25/07 By: JEG



SK-STL/SLU-P3

SP MAP DMM-10/98-2

MAP IS INVALID IF NOT DATED AND INITIALED OR IF VOID DATE IS FILLED IN

MSD-DEC INDUSTRY SAMPLING MAP

MSD

Company Name: ST LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63108

Nearest Intersection: N GRAND

Wunnenberg: H20-27 Base Map: 19F4

MSD Account No.: 51121347-00

Total No. of Active Sample Points: 5

Active SP Nos: 001,002,003,004,005

Field Contact: TOM THEURER

Alternate Contact: DON MILLER

Must contact prior to sampling: Yes ____ No X

Reason: ____

Company wants to split samples: Yes ____ No X

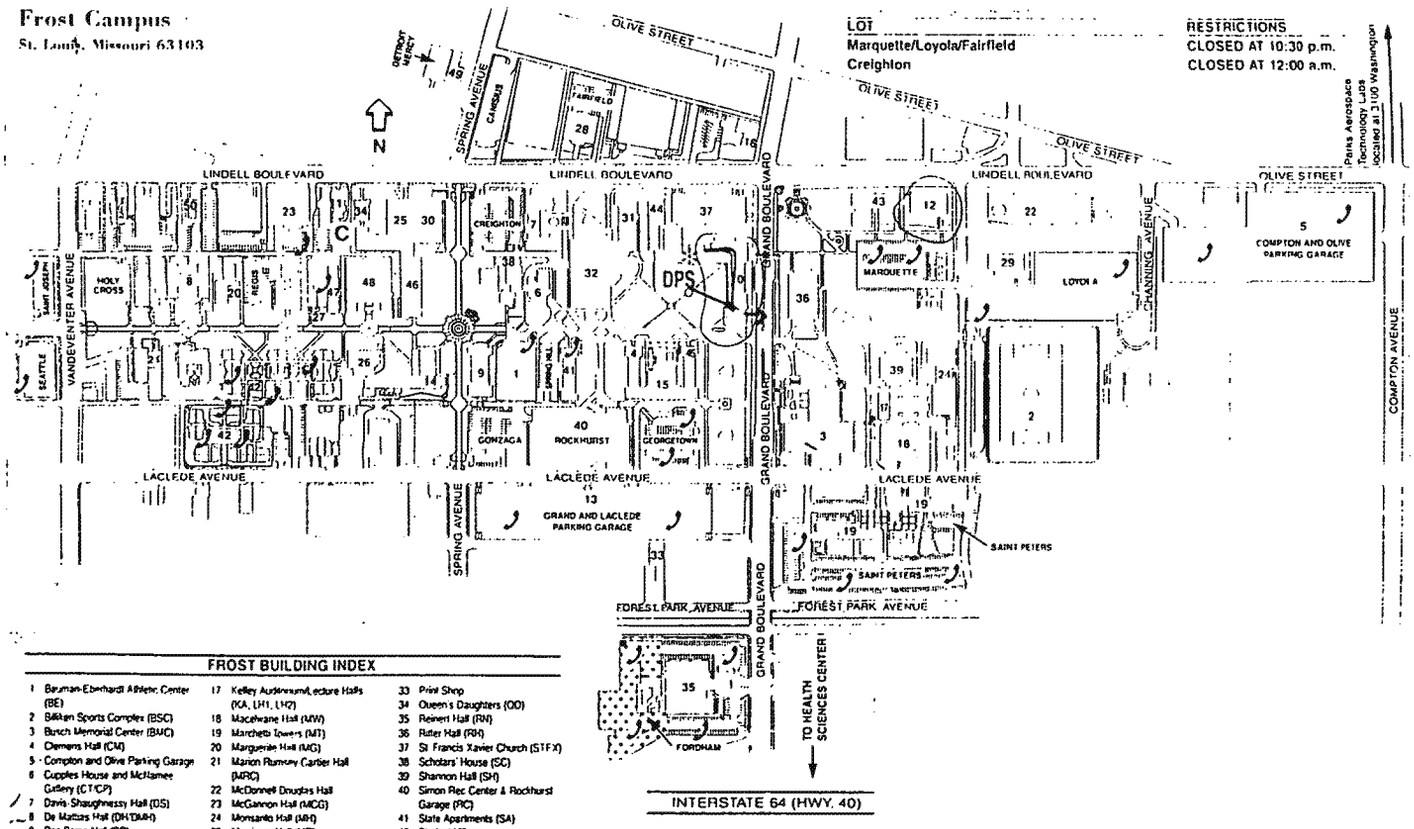
Special Sampling Requirements or Instructions:

Map Effective Date: 7-1-99 By: DAB

Map Revision Date: ____ By: ____

Map Revision Date: ____ By: ____

Map Void Date: 6/30/03 By: JEG



FROST BUILDING INDEX

1 Bauman-Eberhardt Athletic Center (BE)
2 Billiken Sports Complex (BSC)
3 Busch Memorial Center (BMC)
4 Clemens Hall (CM)
5 Compton and Olive Parking Garage
6 Cupples House and McNamee Gallery (CT/CP)
7 Davis-Shaughnessy Hall (DS)
8 De Mattias Hall (DH/DMH)
9 Des Peres Hall (DP)
10 DuBourg Hall (DB)
11 Family Development Center (FDC)
12 Fitzgerald Hall (FH)
13 Grand and Laclede Parking Garage
14 Fusz Memorial Hall (FZ)
15 Griesedieck Hall (GR)
16 Jesuit Hall (Affiliated with Saint Louis University) (JH)
17 Kelley Auditorium/Lecture Halls (KA, LH1, LH2)
18 Macelwane Hall (MW)
19 Marchetti Towers (MT)
20 Marguerite Hall (MG)
21 Marion Rumsey Cartier Hall (MRC)
22 McDonnell Douglas Hall
23 McGannon Hall (MCG)
24 Monsanto Hall (MH)
25 Morrissey Hall (MR)
26 Museum of Contemporary Religious Arts (MOCRA)
27 O'Brien Alumni Center (OB)
28 O'Donnell Hall (OH)
29 Oliver Hall
30 Omer Poos Law Library
31 O'Neill Hall (ON)
32 Pius XII Library (PL)
33 Print Shop
34 Queen's Daughters (QD)
35 Reinert Hall (RN)
36 Ritter Hall (RH)
37 St Francis Xavier Church (STFX)
38 Scholars' House (SC)
39 Shannon Hall (SH)
40 Simon Rec Center & Rockhurst Garage (RC)
41 State Apartments (SA)
42 Student Village
43 Tegeler Hall (TG)
44 Verhaegen Hall (VH)
45 Walsh Hall (WL)
46 Wuller Hall (WU)
47 Xavier Hall Annex (XHA)
48 Xavier Hall (XH)
49 321 N. Spring
50 3824 Lindell

SP MAP DMM-10/98-1

MAP IS INVALID IF NOT DATED AND INITIALED OR IF VOID DATE IS FILLED IN

MSD-DEC INDUSTRY SAMPLING MAP

MSD

Company Name: ST LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63103

MSD Account No.: 51121347-00

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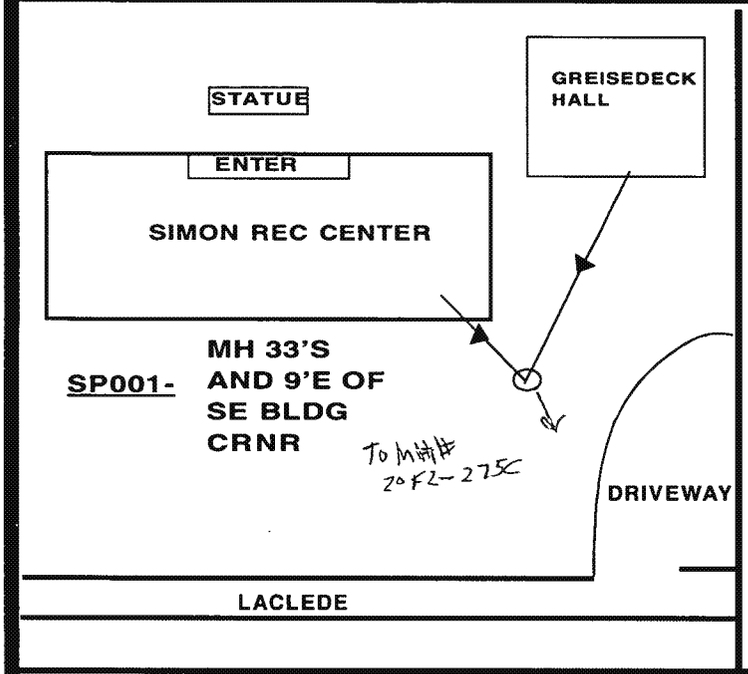
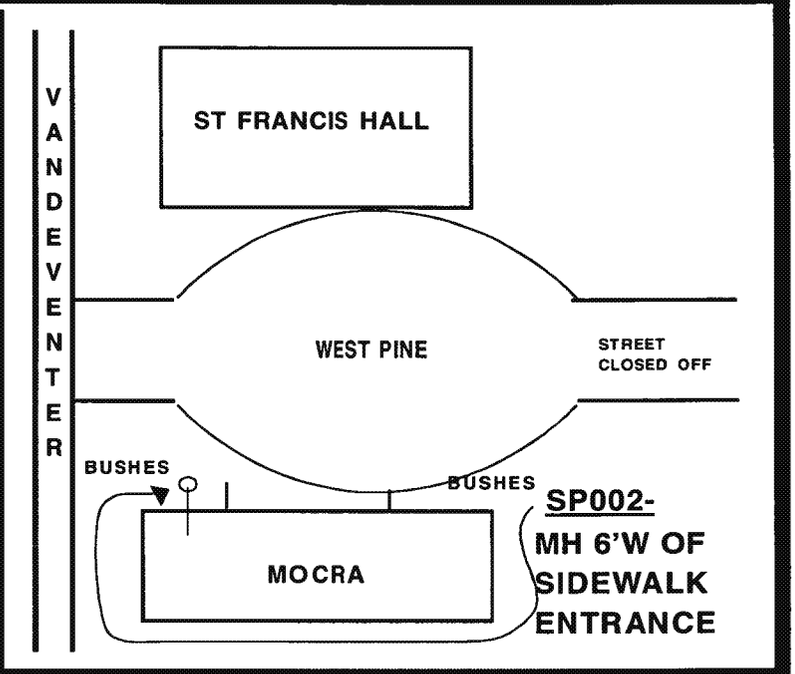
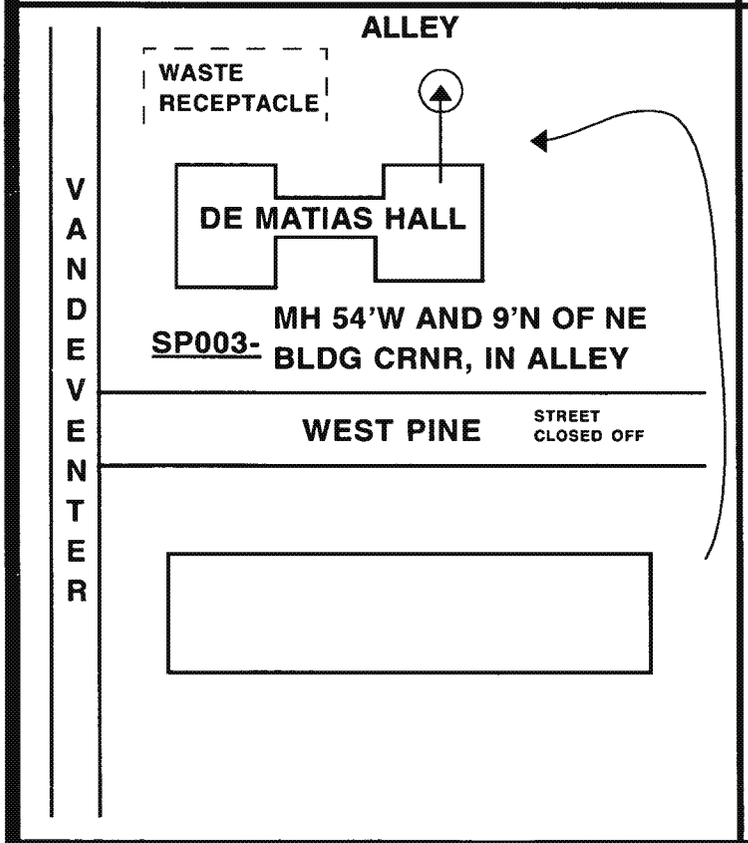
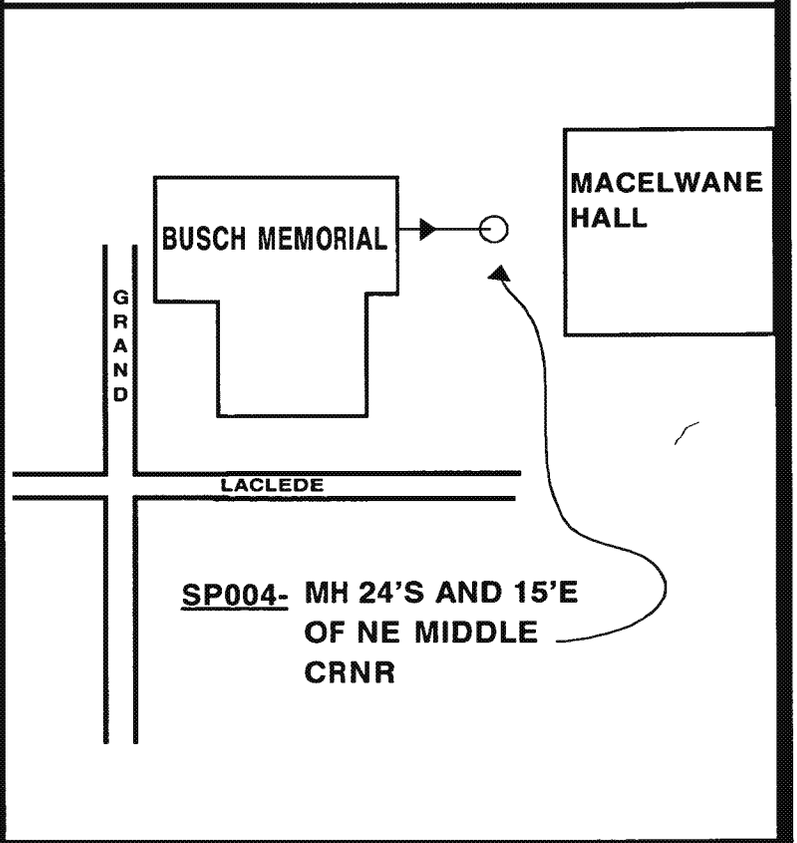
Map Revision Date: By:

Map Void Date: 6/30/03 By: JEG









MAP IS INVALID IF NOT DATED AND INITIALED OR IF VOID DATE IS FILLED IN

MSD-DEC INDUSTRY SAMPLING MAP

MSD

Company Name: SAINT LOUIS UNIVERSITY

Premise Address: 3500 LINDELL

Zip Code: 63103

MSD Account No.: 51121347-00

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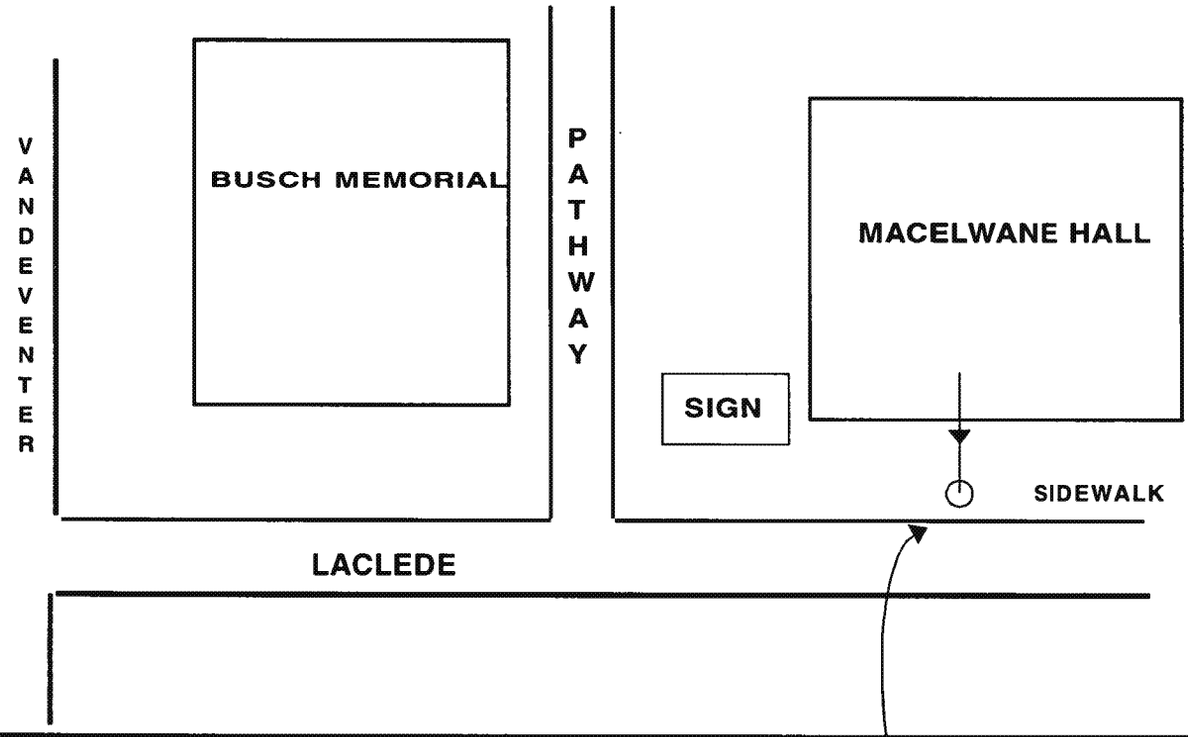
Map Revision Date: By:

Map Revision Date: By:

Map Void Date: 6/30/03 By: JEG



SP001- MH 39'W OF OF SW BLDG CRNR, ON SIDEWALK

SP MAP DMM-10/98-2

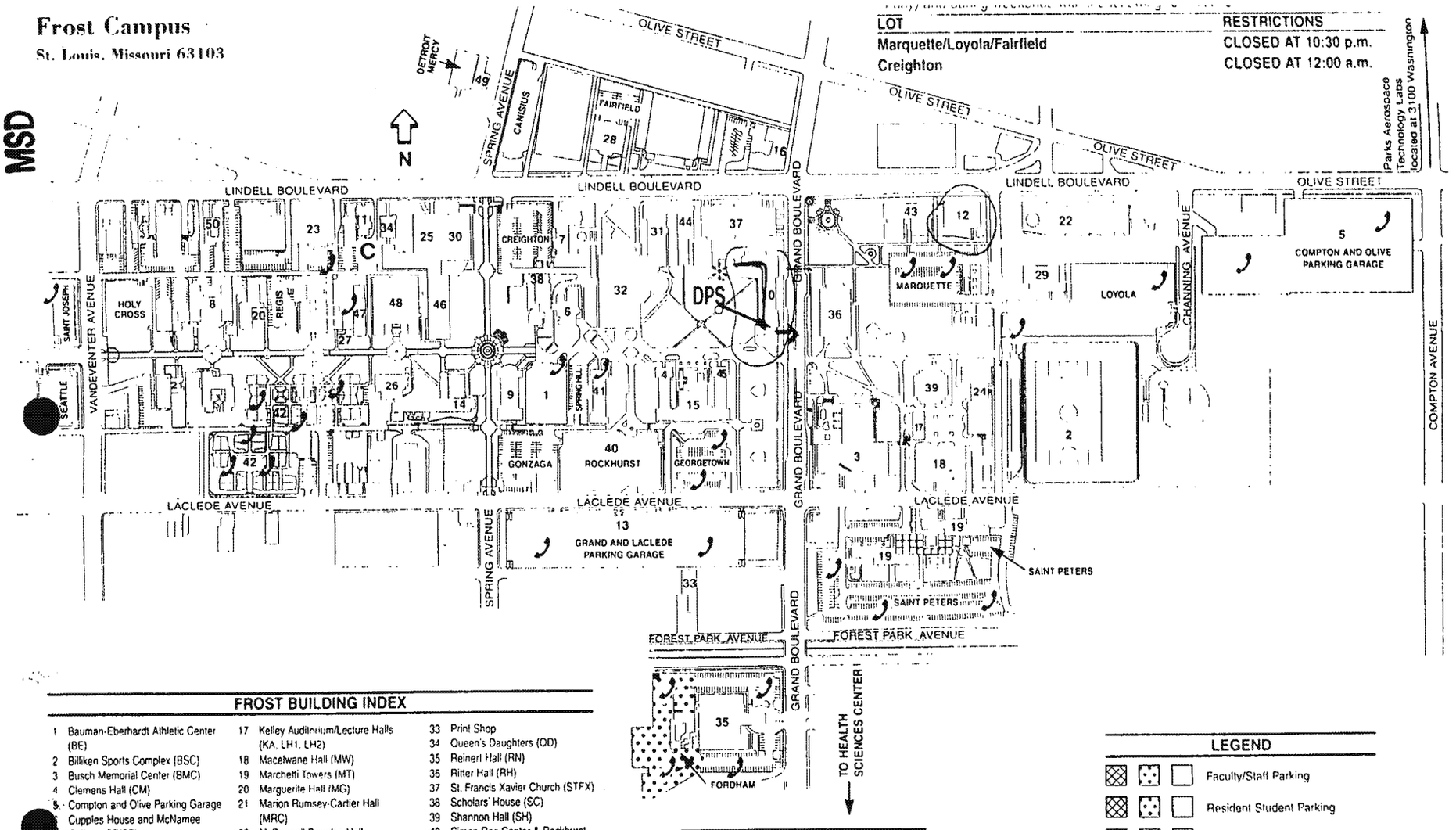
MAP IS INVALID IF NOT DATED AND INITIALED OR IF VOID DATE IS FILLED IN

Frost Campus

St. Louis, Missouri 63103

MSD

LOT	RESTRICTIONS
Marquette/Loyola/Fairfield	CLOSED AT 10:30 p.m.
Creighton	CLOSED AT 12:00 a.m.



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18 Macelwane Hall (MW)
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24 Monsanto Hall (MH)
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26 Museum of Contemporary Religious Arts (MOCRA)
27 O'Brien Alumni Center (OB)
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29 Oliver Hall
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32 Pius XII Library (PL)
33 Print Shop
34 Queen's Daughters (OD)
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36 Ritter Hall (RH)
37 St. Francis Xavier Church (STFX)
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44 Verhaegen Hall (VH)
45 Walsh Hall (WL)
46 Wuller Hall (WU)
47 Xavier Hall Annex (XHA)
48 Xavier Hall (XH)
49 321 N. Spring
50 3824 Lindell

Greenstrip (Barnister House)

LEGEND

- Faculty/Staff Parking
- Resident Student Parking
- Commuter Student Parking
- Visitor Parking
- C Client Parking/Reserved
- Emergency Telephones
- DPS Department of Public Safety
- Parking and Card Services-DB 33

Revised 7/97

MSD 039274

Metropolitan
St. Louis Sewer
District

MSD

FOR MSD USE ONLY			
ACCOUNT NUMBER: 5112-1347-00	CATEGORY: 1 2 3 5 6 9 0		
TA: B			
TS: CM	DAB Reviewer's Initials	7/1/99 Date	

METROPOLITAN ST. LOUIS SEWER DISTRICT
DEPARTMENT OF ENVIRONMENTAL COMPLIANCE
INDUSTRIAL USER QUESTIONNAIRE

RECEIVED
NOV 6 1998
Environmental Compliance

Note to Signing Official: In accordance with Title 40 of the Code of Federal Regulations Part 403 Section 403.14, information and data provided in this questionnaire which identifies the nature and frequency of discharge shall be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR Part 2. Should a discharge permit be required for your facility, the information in this questionnaire will be used to issue the permit.

SECTION A - GENERAL INFORMATION

1. Company Name: Saint Louis University
2. Mailing Address: 3500 Lindell
   St. Louis, MO Zip Code 63103
3. Premise Address: (same)
   Zip Code
4. Person Authorized to Sign Reporting Documents:
   Name and Title: Michael G'Sell, Director of Building Services - Frost
   Tel No. 977-2954
5. Check one: [X] Existing Discharge
   [] Proposed Discharge If proposed, indicate discharge start date:
6. Shift Information:
   a. Number of shifts per work day: 3 and work days per week: 7
   b. Average number of employees per shift: 1st 1,672 2nd 100 3rd 50 Total: 1,822
   c. Shift start times: 1st 0:800 2nd 16:00 3rd 24:00

SECTION B - PRODUCT OR SERVICE INFORMATION

1. Briefly describe the primary manufacturing or service activities at the premise address and list the applicable SIC number for each activity:

	PRIMARY ACTIVITIES	SIC NUMBER
a.	Educational Institution (residence halls)	8221
b.		
c.		
d.		

3/96

MSD 039275

MSD

RECEIVED

NOV 6 1998

Company Name: St. Louis University
Premise Address: 3500 Lindell
Account Number:

SECTION B - PRODUCT OR SERVICE INFORMATION (Cont'd)

2. Are primary activities generally batch or continuous processes? [X] batch [] continuous
3. Principal raw materials used: None
4. Principal products produced: None
5. Check all activities which are conducted at your premise in addition to the primary activities described in B.1 above. Indicate the SIC number, if known. Do not check activities which are already included in B.1.

	SIC NO.		SIC NO.
[] Adhesive & Sealants Mfg.		[] Mineral Mining & Processing	
[] Aluminum Forming		[] Nonferrous Metals Forming	
[] Asbestos Mfg.		[] Nonferrous Metals Mfg	
[] Battery Mfg.		[] Organic Chem., Plastics & Synthetic Fibers Mfg	
[] Builder's Paper and Roofing Felt Mfg.		[] Paint Formulating	
[] Carbon Black Mfg.		[] Painting, Finishing or Paint Stripping	
[] Cement Mfg.		[] Parts Washing	
[] Coil Coating		[] Paving and Roofing Materials	
[] Copper Forming		[] Pesticide Chem. Mfg., Formulating, Packaging	
[] Dairy Products Processing		[] Petroleum Refining	
[] Drum Reconditioning		[] Pharmaceutical Mfg	
[] Electrical and Electronic Components		[] Phosphate Mfg	
[] Electroplating		[] Photographic Processing	
[] Explosive Mfg.		[] Plastic Molding and Forming	
[] Feedlots		[] Porcelain Enameling	
[] Ferroalloy Mfg.		[] Printing & Publishing	
[] Fertilizer Mfg.		[] Pulp, Paper & Paperboard Mfg	
[X] Food Preparation		[] Q. C. Laboratory	
[] Fruits and Vegetable Processing		[] R & D Laboratory	
[X] General Offices		[] Radioactive Materials Processing	
[] Glass Mfg.		[] Repair Shop, Garage	
[] Grain Milling		[] Rubber & Rubber Prod. Mfg.	
[] Gum & Wood Chemical Mfg.		[] Seafood Processing	
[] Hazardous Waste Treatment, Storage or Disposal		[] Soap and Detergent Mfg.	
[] Health Care & Hospital		[] Solvent Recycling	
[] Industrial Laundry		[] Steam Electric Power Generation	
[] Ink Formulating		[] Sugar Processing	
[] Inorganic Chemicals Mfg.		[] Textile Mills	
[] Iron and Steel Mfg.		[] Timber Products Mfg.	
[] Leather Tanning and Finishing		[] Transportation Equipment Cleaning	
[] Machine Shop		[] Transportation Services	
[] Machinery Mfg. or Rebuilding		[] Used Oil Reclamation	
[] Meat Processing		[] Vehicle/equipment Washing	
[] Metal Finishing		[] Warehousing	
[] Metal Molding and Casting		[] Waste Recycling	
		[] Others	

6. Are your processes subject to seasonal variation? [X] Yes [] No
If "Yes," explain and indicate the month(s) of peak activity. September through May, lighter student load through summer months; 4th quarter is also lighter due to no irrigation and lighter cooling (tower water) demands

3/98

MSD 039276

MSD MSD

Company Name: [illegible]int Louis University
Premise Address: 3500 Lindell
Account Number:

RECEIVED
NOV 6 1998
Environmental Compliance

SECTION C - WATER CONSUMPTION AND WASTEWATER DISCHARGES

1. Raw Water Source(s):
   - [X] City of St. Louis Water Div.
   - [] St. Louis Co. Water Co.
   - [] Other Municipal Source
   - [] Hauled by Contractor
   - [] Surface water
   - [] Private Well
   - [] Other (describe)

2. Water Bill Addressee: 3500 Lindell - St. Louis MO 63103

3. Water Service Account Numbers: (see attached list)

4. List past twelve months water usage from:

			X[X] Water Bills	[] Other Sources
a. 1st quarter	6/4 1997 through	8/6 1997	62,817 Ccf	N/A Ccf
b. 2nd quarter	8/6 1997 through	11/3 1997	69,774 Ccf	N/A Ccf
c. 3rd quarter	11/3 1997 through	2/1 1998	49,756 Ccf	N/A Ccf
d. 4th quarter	2/1 1998 through	5/2 1998	43,335 Ccf	N/A Ccf

5. Describe any treatment or conditioning process performed on the raw water before use: Water softening chemical treatment for boilers & cooling systems

6. Identify all water uses within your facility:

Water Uses	Estimated average daily use (Gallons per Day)
a. Sanitary	176,500
b. Irrigation & lawn watering	185,000
c. Non-contact cooling water	100,000
d. Contact cooling water	-0-
e. Process water	-0-
f. Plant & equipment washdown	100
g. Boiler	100
h. Other uses	2,000
i. Total of USES (6a through 6h):	463,700

7. Identify all water losses and wasterwater discharges from your facility:

Water Losses & Discharges	Estimated average daily loss/discharge (Gallons per Day)
* a. Municipal sewer	268,600
b. Watercourse, storm drain, ground	185,100
c. Haulers	-0-
d. Evaporation	10,000
e. Contained in product	-0-
f. Total of LOSSES & DISCHARGES: (7a through 7e must equal total at 6i)	268,600

8. For each activity you listed in Sections B.1 and B.5, list the average water usage and average wastewater discharge. Attach additional sheets if needed.

Item No.	Activity	Type of Discharge Cont.	Batch	None	Avg Water Use (GPD)	Avg Discharge to Mun sewer (GPD)	Date When Activity First Commenced At This Facility
B.1.a	(residence halls) school activities	[]	X[]X	[]	171,000	171,000	1970
B.5	food preparation	[]	X[]X	[]	5,000	5,000	1970
B.5	general offices	[]	X[]X	[]	500	500	1970
		[]	[]	[]			
		[]	[]	[]			
		[]	[]	[]			

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Company Name: S[redacted] Louis University
Premise Address: 3500 Lindell
Account Number:

SECTION D - SEWER CONNECTION INFORMATION

1. Attach a scale drawing of your premise which shows:
   a. All buildings, structures, alleys, streets and other pertinent features.
   b. All sewers and drains, including all connections, inlets, manholes, vents and other access or control structures. Identify each sewer as sanitary, storm or combined and indicate its size.
   c. A sampling point for each connection to the public sewer.
   d. A sampling point for each discharge from a federally regulated categorical process.
   e. A sampling point for each discharge to a separate storm sewer or water course.

2. List each sampling point identified in 1.c, d and e above and each connection for which there is no sampling point. Assign a sequential reference number to each point, starting with No. 1. Attach additional sheets if needed.

Reference Number	Sewer Size (inches)	Description of sewer sampling point or connection (Vent, manhole, valve, tank or other appurtenance. Indicate size and location)	Total Daily Average Flow (GPD)
1			
2			
3			
4			
5			

SECTION E - WASTEWATER INFORMATION

1. For each point listed in D.2 above, list the wastewater discharge corresponding to each water usage listed in Section C.6. Attach additional sheets if needed.

Type Wastewater	Discharge Quantity (GPD) for each sampling point or connection listed in D.2					Facility Total.
	1	2	3	4	5	(See Instructions)
a. Sanitary						
b. Irrigation & Lawn Watering						
c. Non-Contact Cooling Water						
d. Contact Cooling Water						
e. Process (From C.8)						
f. Plant & Equipment Washdown						
g. Boiler Blowdown						
h. Other (_____)						
Regeneration Waste (C.5)						
Totals (Same as D.2)						

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2. If any of the above points discharge to a watercourse or a separate storm sewer, complete the following:

NPDES Outfall Number					
NPDES Permit Number					

3. Do any of the above sampling points also convey stormwater from your premise ?

[] Yes [] No	[] Yes [] No	[] Yes [] No	[] Yes [] No	[] Yes [] No

4. Do you pretreat any of the wastes discharged through any of the above points?

[] Yes [] No	[] Yes [] No	[] Yes [] No	[] Yes [] No	[] Yes [] No

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Company Name: S Louis University
Premise Address: 3500 Lindell
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SECTION E - WASTEWATER INFORMATION (Cont'd)

5. Describe the type of wastewater pretreatment you employ prior to each point for which you marked "Yes" in E.4:

Point No.	Pretreatment System Description

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6. Does your facility have:
a. A spill control plan? [X] Yes [ ] No
b. A waste minimization plan? [X] Yes [ ] No
c. A solvent management plan? [X] Yes [ ] No
d. A slug discharge control plan? [ ] Yes [X] No

7. If any wastewater analyses have been performed on the wastewater discharges from your facility attach copies of the most recent data. Be sure to specify the locations from which the samples were collected. Attach sketches, plans, drawings, etc. as necessary.

8. Priority Pollutant Information: Check one of the four boxes by each listed chemical to indicate whether it is: "Suspected Absent", "Known Absent", "Suspected Present", or "Known Present" ON YOUR PREMISE. Any chemical which is used in your manufacturing or service activity or is generated as a product or as a by-product should be marked "Known Present". Some pollutants are known by other names. Refer to the instruction booklet for those pollutants which have an asterisk (*).

SA = "Suspected Absent" KA = "Known Absent" SP = "Suspected Present" KP = "Known Present"

ITEM NO.	PRIORITY POLLUTANT	SA	KA	SP	KP
1.	asbestos (fibrous)	[ ]	[ ]	[ ]	[X]
2.	cyanide (total)	[ ]	[ ]	[ ]	[X]
3.	antimony (total)	[ ]	[ ]	[ ]	[X]
4.	arsenic (total)	[ ]	[ ]	[ ]	[X]
5.	beryllium (total)	[ ]	[ ]	[ ]	[X]
6.	cadmium (total)	[ ]	[ ]	[ ]	[X]
7.	chromium (total)	[ ]	[ ]	[ ]	[X]
8.	copper (total)	[ ]	[ ]	[ ]	[X]
9.	lead (total)	[ ]	[ ]	[ ]	[X]
10.	mercury (total)	[ ]	[ ]	[ ]	[X]
11.	nickel (total)	[ ]	[ ]	[ ]	[X]
12.	selenium (total)	[ ]	[ ]	[X]	[ ]
13.	silver (total)	[ ]	[ ]	[ ]	[X]
14.	thallium (total)	[X]	[ ]	[ ]	[ ]
15.	zinc (total)	[ ]	[ ]	[ ]	[X]
16.	acenaphthene	[ ]	[X]	[ ]	[ ]
17.	acenaphthylene	[ ]	[X]	[ ]	[ ]
18.	acrolein	[X]	[ ]	[ ]	[ ]
19.	acrylonitrile	[ ]	[X]	[ ]	[ ]
20.	aldrin	[ ]	[X]	[ ]	[ ]
21.	anthracene	[ ]	[X]	[ ]	[ ]
22.	benzene	[ ]	[ ]	[ ]	[X]
23.	benzidine	[ ]	[X]	[ ]	[ ]
24.	benzo (a) anthracene *	[ ]	[X]	[ ]	[ ]
25.	benzo (a) pyrene	[ ]	[X]	[ ]	[ ]
26.	benzo (b) fluoranthene	[ ]	[X]	[ ]	[ ]
27.	benzo (g,h,i) perylene *	[ ]	[X]	[ ]	[ ]
28.	benzo (k) fluoranthene *	[ ]	[X]	[ ]	[ ]
29.	alpha-BHC	[ ]	[X]	[ ]	[ ]
30.	beta-BHC	[ ]	[X]	[ ]	[ ]
31.	delta-BHC	[ ]	[X]	[ ]	[ ]
32.	gamma-BHC *	[ ]	[X]	[ ]	[ ]
33.	bis (2-chloroethyl) ether *	[ ]	[X]	[ ]	[ ]
34.	bis (2-chloroethoxy) methane *	[ ]	[X]	[ ]	[ ]
35.	bis (2-chloroisopropyl) ether *	[ ]	[X]	[ ]	[ ]
36.	Reserved				
37.	bis (2-ethylhexyl) phthalate	[ ]	[X]	[ ]	[ ]
38.	bromodichloromethane *	[ ]	[X]	[ ]	[ ]
39.	bromoform *	[ ]	[X]	[ ]	[ ]
40.	bromomethane *	[ ]	[X]	[ ]	[ ]
41.	4-bromophenylphenyl ether	[ ]	[X]	[ ]	[ ]
42.	butylbenzyl phthalate	[ ]	[X]	[ ]	[ ]
43.	carbon tetrachloride *	[ ]	[X]	[ ]	[ ]
44.	chlordane	[ ]	[X]	[ ]	[ ]
45.	4-chloro-3-methylphenol *	[ ]	[X]	[ ]	[ ]
46.	chlorobenzene	[ ]	[X]	[ ]	[ ]
47.	chloroethane *	[ ]	[X]	[ ]	[ ]
48.	2-chloroethylvinyl ether	[ ]	[X]	[ ]	[ ]
49.	chloroform *	[ ]	[X]	[ ]	[ ]
50.	chloromethane *	[ ]	[X]	[ ]	[ ]
51.	2-chloronaphthalene	[ ]	[X]	[ ]	[ ]
52.	2-chlorophenol *	[ ]	[X]	[ ]	[ ]
53.	4-chlorophenylphenyl ether	[ ]	[X]	[ ]	[ ]
54.	chrysene *	[ ]	[X]	[ ]	[ ]
55.	4,4'-DDD *	[ ]	[X]	[ ]	[ ]
56.	4,4'-DDE *	[ ]	[X]	[ ]	[ ]
57.	4,4'-DDT *	[ ]	[X]	[ ]	[ ]
58.	dibenzo (a,h) anthracene *	[ ]	[X]	[ ]	[ ]
59.	dibromochloromethane *	[X]	[ ]	[ ]	[ ]
60.	1,2-dichlorobenzene *	[ ]	[X]	[ ]	[ ]
61.	1,3-dichlorobenzene *	[ ]	[X]	[ ]	[ ]
62.	1,4-dichlorobenzene *	[ ]	[X]	[ ]	[ ]
63.	3,3'-dichlorobenzidine	[ ]	[X]	[ ]	[ ]
64.	Reserved				
65.	1,1-dichloroethane *	[ ]	[X]	[ ]	[ ]
66.	1,2-dichloroethane *	[ ]	[X]	[ ]	[ ]
67.	1,1-dichloroethene *	[ ]	[X]	[ ]	[ ]
68.	trans-1,2-dichloroethene *	[ ]	[X]	[ ]	[ ]
69.	2,4-dichlorophenol	[ ]	[X]	[ ]	[ ]
70.	1,2-dichloropropane *	[ ]	[X]	[ ]	[ ]
71.	(cis & trans) 1,3-dichloropropene *	[ ]	[X]	[ ]	[ ]
72.	dieldrin	[ ]	[X]	[ ]	[ ]
73.	diethylphthalate *	[ ]	[X]	[ ]	[ ]
74.	2,4-dimethylphenol *	[ ]	[X]	[ ]	[ ]
75.	dimethyl phthalate	[ ]	[X]	[ ]	[ ]
76.	di-n-butyl phthalate	[ ]	[X]	[ ]	[ ]

Continued on Page 6

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Company Name: St. Louis University
Premise Address: 3500 Lindell
Account Number:

SECTION E - WASTEWATER INFORMATION (Cont'd)

Priority Pollutant Information (Cont'd)

SA = "Suspected Absent" KA = "Known Absent" SP = "Suspected Present" KP = "Known Present"

ITEM NO.	PRIORITY POLLUTANT	SA	KA	SP	KP
77.	di-n-octyl phthalate *	■	□	□	□
78.	4,6-dinitro-2-methylphenol *	□	■	□	□
79.	2,4-dinitrophenol	□	□	■	□
80.	2,4-dinitrotoluene	□	□	■	□
81.	2,6-dinitrotoluene	□	□	■	□
82.	1,2-diphenylhydrazine *	□	■	□	□
83.	endosulfan I *	□	■	□	□
84.	endosulfan II *	□	■	□	□
85.	endosulfan sulfate	□	■	□	□
86.	endrin	□	■	□	□
87.	endrin aldehyde	□	■	□	□
88.	ethylbenzene	□	□	■	□
89.	fluoranthene	□	■	□	□
90.	fluorene *	□	■	□	□
91.	heptachlor	□	■	□	□
92.	heptachlor epoxide	□	■	□	□
93.	hexachlorobenzene *	□	□	■	□
94.	hexachlorobutadiene	□	■	□	□
95.	hexachlorocyclopentadiene *	□	■	□	□
96.	hexachloroethane *	■	□	□	□
97.	indeno (1,2,3-cd) pyrene *	□	■	□	□
98.	isophorone *	□	■	□	□
99.	methylene chloride *	□	□	□	■
100.	naphthalene	□	□	□	■
101.	nitrobenzene	□	□	□	■
102.	2-nitrophenol	□	□	■	□
103.	4-nitrophenol *	■	□	□	□
104.	N-nitrosodimethylamine *	□	■	□	□
105.	N-nitrosodi-n-propylamine *	□	■	□	□
106.	N-nitrosodiphenylamine	□	■	□	□
107.	PCB-1016 *	□	■	□	□
108.	PCB-1221 *	□	■	□	□
109.	PCB-1232 *	□	■	□	□
110.	PCB-1242 *	□	■	□	□
111.	PCB-1248 *	□	■	□	□
112.	PCB-1254 *	□	■	□	□
113.	PCB-1260 *	□	■	□	□
114.	pentachlorophenol	□	■	□	□
115.	phenanthrene	□	■	□	□
116.	phenol	□	□	■	□
117.	pyrene	□	■	□	□
118.	2,3,7,8-tetrachlorodibenzo-p-dioxin *	□	■	□	□
119.	1,1,2,2-tetrachloroethane *	■	□	□	□
120.	tetrachloroethene *	■	□	□	□
121.	toluene *	□	□	□	■
122.	toxaphene	□	■	□	□
123.	1,2,4-trichlorobenzene	■	□	□	□
124.	1,1,1-trichloroethane *	■	□	□	□
125.	1,1,2-trichloroethane *	■	□	□	□
126.	trichloroethene *	■	□	□	□
127.	Reserved				
128.	2,4,6-trichlorophenol	□	■	□	□
129.	vinyl chloride *	■	□	□	□

9. For priority pollutants in E.8 which are indicated "Known Present," list and provide the following data for each. Attach additional sheets if needed.

ITEM NO.	PRIORITY POLLUTANT	HOW USED	ANNUAL USAGE (LBS)	LOSS TO SEWER (LBS/YEAR)
1	Asbestos	Construction of building	0.0	0.0
2	Cyanide	Lab reagent	0.05	0.0
4	Arsenic	Lab reagent	0.05	0.0
7	Chromium	Glassware cleaner	2.0	2.0
8	Copper	General chemistry reagent	5.0	0.0
9	Lead	General chemistry reagent	5.0	0.0
10	Mercury	Thermometers,barometers,manometer	5.0	0.0
11	Nickel	Lab reagent	1.0	0.0
13	Silver	Lab reagent	1.0	0.0
15	Zink	Lab reagent	5.0	0.0
22	Benzene	General lab solvent	5.0	1.0
43	Carbontetrachloride	Lab reagent	1.0	0.0
46	Chlorobenzene	Chemical intermediate	5.0	0.5
49	Chloroform	Extraction solvent	10	1.0
99	Methylene Caloride	Extraction solvent	10	1.0
100	Naphthalene	Lab reagent	1	0.1
101	Nitrobenzene	Chemical intermediate	5	0.5
121	Toluene	General lab solvent	50	1.0

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Company Name: S[redacted] Louis University
Premise Address: 3500 Lindell
Account Number:

SECTION F - NON-SEWERED WASTES

1. Do you generate any liquid wastes or sludges which are not disposed in the sewer system? ■ Yes [] No
If "Yes" complete items 2 and 3 below. Note: Be sure to include wastewaters listed in Section C.7.c.
If "No," skip remainder of this section.

2. Information on non-sewered waste:

Type of Waste	Estimated Quantity Disposed/yr	Units	Store on-site	Dispose on-site	Dispose off-site
[] Acids and/or Alkalies			[]	[]	[]
[] Equip. Oils and/or Grease			[]	[]	[]
[] Infectious Waste			[]	[]	[]
[] Inks/Dyes			[]	[]	[]
■ Kitchen/Food Service Grease	500	gallon	■	[]	■
[] Organic Compounds			[]	[]	[]
■ Paints or Paint Sludges	50	gallon	■	[]	■
[] Pesticides			[]	[]	[]
[] Pretreatment Sludges			[]	[]	[]
[] Radioactive Waste			[]	[]	[]
[] Solvents/Thinners			[]	[]	[]
[] Other			[]	[]	[]
			[]	[]	[]
			[]	[]	[]

3. List your USEPA and/or MDNR Hazardous Waste generator numbers:

USEPA_____ MDNR_____

SECTION G - INDUSTRIAL WASTE SURCHARGE INFORMATION

1. The following analytical information is required for each sampling point or each connection to the public sewer (see D.1.c), only if your water usage exceeds 80 Ccf per month. Representative samples of the wastewater in each sewer must be collected and analyzed for the listed parameters. Concentrations are to be reported in mg/l.

Sewer Number (Refer to Section D.2)
(If more than 5, attach additional sheets)

Daily Average Concentration For Each Sampling Point or Connection

Parameter (mg/l)	1	2	3	4	5
Total Solids					
Total Suspended Solids					
Biochemical Oxygen Demand$_5$					
Chemical Oxygen Demand					
Flow (gpd)					
Date Sampled					
Time Sampled					
Type of Sample					

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Company Name: St. Louis University
Premise Address: 3500 Lindell
Account Number:

SECTION G - INDUSTRIAL WASTE (Cont'd)

2. Sample handling information: Organization Name and Address

   a. Samples collected by:

   b. Samples analyzed by:

SECTION H - CERTIFICATION AND SIGNATURE

1. The following individual may be contacted regarding the information contained in this questionnaire:

   Name and title of contact person:

   Tel No.

2. "I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly 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 submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

   Name and title of signing official:

   Tel No.

   Signature Date

List attachments included with this questionnaire:

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