

## Tier II Emergency and Hazardous Chemical Inventory

Reporting Period From January 1, 2017 to December 31, 2017

Annual     Update     Revised     Facility Information has changed from the last submission

<b>Facility Identification</b>				<b>Owner/Operator Details</b>		
ERC ID:	693550009	LEPC:		Name:	U of MN - Board of Regents	
Facility Name:	U of MN - Ash River NOvA Laboratory	Lat/Long:	48.35733/-92.8555	Address:	200 Oak St. SE. Suite 600	
Maximum Occupants:	50	Nature of Business:	Higher education		Minneapolis, MN 55455-2020, United States	
Physical Location:	10709 Bright Star Road, Orr, MN 55771			Phone:	612-625-6300      Email: calvin@umn.edu	
County:	St. Louis	NAICS Code:	611310	<b>Parent Company Details</b>		
Fire Department:	KABETOGAMA	SIC Code:	8221	Name:	U of MN - Board of Regents	
Phone:	218-290-4519	Dun and Brad No:	555917996	Dun and Brad No:	555917996	
<input checked="" type="checkbox"/> Manned <input type="checkbox"/> Unmanned		EIN ID(Tax Number):	41-6000751	Address:	200 Oak St. SE. Suite 600	
Email:	cwhraban@umn.edu	FTE:	37		Minneapolis, MN 55455-2020, United States	
		Facility ID:	15332	Phone:	Email:	
Subject to EPCRA Section 312 (Annual Inventory)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Tier II Information Contact</b>	
Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name:	William Miller
Subject to Section 112r of Clean Air Act (CAA)?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Title:	Director
RMP Facility ID:					Phone:	218-374-2400      24 Hr.Phone: 218-780-4649
Subject to EPCRA Section 313 (Toxic Release Inventory - TRI)?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Email:	whmiller@umn.edu
TRI Facility ID:						
<b>Mailing Address</b>				<b>Facility Emergency Planning Coordinator</b>		
Company Name: U of MN - Fay Thompson Center for Environmental Management				Name:	William Miller	
Attention: Brian Brosnan				Title:	Director	
Street Address 1: 501 23rd Avenue SE				Phone:	218-374-2400      24 Hr.Phone: 218-780-4649	
Street Address 2:				Email:	whmiller@umn.edu	
City:	Minneapolis	State:	MN			
Zip:	55455-0447	Phone:	612-624-6836			
Country:	United States					
<b>Emergency Contacts</b>						
<b>Name</b>	<b>Title</b>	<b>Phone</b>	<b>24 Hr.Phone</b>	<b>Email</b>		
William Miller	Director	218-374-2400	218-780-4649	whmiller@umn.edu		
Cole Hraban	Safety Officer	218-374-2400	218-290-4519	cwhraban@umn.edu		
Certification: I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 4, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.				<b>Optional Attachments</b>		
Calvin Cole, Compliance Specialist		2/15/2018 3:25:07 PM	612-624-6870	<input type="checkbox"/> Site Plan <input type="checkbox"/> Site Coordinate Abbreviations <input type="checkbox"/> Other Safeguard measures <input type="checkbox"/> Facility Emergency Response Plan		
Name and official title of owner/operator or authorized representative		Date Signed	Telephone Number	Signature		

## Tier II Emergency and Hazardous Chemical Inventory

Facility/Site Name: U of MN - Ash River NOvA Laboratory    ERC ID: 693550009  
 Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards																		
Chemical ID: 541374 Check if Chemical Information is changed from the last submission: <input checked="" type="checkbox"/> CAS #: 74-98-6 Trade Secret: <input type="checkbox"/> <b>Chemical Name:</b> PROPANE EHS: <input type="checkbox"/> Contains EHS: <input type="checkbox"/> Exceeds TPQ: <input type="checkbox"/> EHS Name: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input checked="" type="checkbox"/> Gas Chemical Added On:                      Exceed TPQ On: Check if the chemical is below reporting threshold: <input type="checkbox"/>	<input type="checkbox"/> Combustible dust <input type="checkbox"/> Corrosive to metal <input type="checkbox"/> Explosive <input checked="" type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input checked="" type="checkbox"/> Gas under pressure <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Organic peroxide <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Self-reactive	<input type="checkbox"/> Acute toxicity (any route of exposure) <input type="checkbox"/> Aspiration hazard <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Germ cell mutagenicity <input type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> Reproductive toxicity <input type="checkbox"/> Respiratory or skin sensitization <input type="checkbox"/> Serious eye damage or eye irritation <input checked="" type="checkbox"/> Simple asphyxiant <input type="checkbox"/> Skin corrosion or irritation <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)																		
Inventory	Storage Codes & Location																			
Max Daily Amt (lbs): 29600 Max Daily Amt Code: 07 Avg Daily Amt (lbs): 19500 Avg Daily Amt Code: 06 Max Amt in Largest Container (lbs): No of days onsite: 365	<table border="1"> <thead> <tr> <th>Container Type</th> <th>Pressure</th> <th>Temperature</th> <th>Storage Location</th> <th>Description</th> <th>Lat/Long</th> <th>Max Amt At Location(lbs)</th> </tr> </thead> <tbody> <tr> <td>[L]Cylinder</td> <td>[2]Greater than ambient pressure</td> <td>[6]Less than ambient temperature but not cryogenic</td> <td>WEST SIDE OF THE BLDG (10 X 1000 GALLON TANKS)</td> <td></td> <td>48.35733/-92.8555</td> <td></td> </tr> </tbody> </table>	Container Type	Pressure	Temperature	Storage Location	Description	Lat/Long	Max Amt At Location(lbs)	[L]Cylinder	[2]Greater than ambient pressure	[6]Less than ambient temperature but not cryogenic	WEST SIDE OF THE BLDG (10 X 1000 GALLON TANKS)		48.35733/-92.8555						
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# Tier II Emergency and Hazardous Chemical Inventory

Facility/Site Name: U of MN - Ash River NOvA Laboratory      ERC ID: 693550009  
 Reporting Period From January 1, 2017 to December 31, 2017

Chemical Description	Physical Hazards	Health Hazards
Chemical ID: 541375 Check if Chemical Information is changed from the last submission: <input checked="" type="checkbox"/> CAS #: 8042-47-5 Trade Secret: <input type="checkbox"/> <b>Chemical Name:</b> RENKERT OIL FERMI SCINTILLATOR EHS: <input type="checkbox"/> Contains EHS: <input type="checkbox"/> Exceeds TPQ: <input type="checkbox"/> EHS Name: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas Chemical Added On: _____ Exceed TPQ On: _____ Check if the chemical is below reporting threshold: <input type="checkbox"/>	<input type="checkbox"/> Combustible dust <input type="checkbox"/> Corrosive to metal <input type="checkbox"/> Explosive <input type="checkbox"/> Flammable (gases, aerosols, liquids, or solids) <input type="checkbox"/> Gas under pressure <input checked="" type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> In contact with water emits flammable gas <input type="checkbox"/> Organic peroxide <input type="checkbox"/> Oxidizer (liquid, solid or gas) <input type="checkbox"/> Pyrophoric (liquid or solid) <input type="checkbox"/> Pyrophoric gas <input type="checkbox"/> Self-heating <input type="checkbox"/> Self-reactive	<input type="checkbox"/> Acute toxicity (any route of exposure) <input type="checkbox"/> Aspiration hazard <input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Germ cell mutagenicity <input checked="" type="checkbox"/> Hazard Not Otherwise Classified (HNOC) <input type="checkbox"/> Reproductive toxicity <input type="checkbox"/> Respiratory or skin sensitization <input type="checkbox"/> Serious eye damage or eye irritation <input type="checkbox"/> Simple asphyxiant <input type="checkbox"/> Skin corrosion or irritation <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure)

Inventory	Storage Codes & Location						
Max Daily Amt (lbs): 19002148 Max Daily Amt Code: 13 Avg Daily Amt (lbs): 19002148 Avg Daily Amt Code: 13 Max Amt in Largest Container (lbs): No of days onsite: 365	Container Type	Pressure	Temperature	Storage Location	Description	Lat/Long	Max Amt At Location(lbs)
	[C]Tank inside building	[1]Ambient pressure	[4]Ambient temperature	HTTPS://MAPS.GOOGLE.COM/MAPS?LL=48.379115,-92.831737&SPN=0.002801,0.003471&T=H&Z=18&LCI=COM.PANORAMIO.ALL		/	

MIXTURE COMPONENTS

Chemical Name	%	CAS #	EHS	EHS Name	Max Daily Amount (lbs)	Max Daily Amount Code
BIS-MSB	0.1	13280-61-0	<input type="checkbox"/>		19002.148	06
POLYPROPYLENE OXIDE	0.1	92-71-7	<input type="checkbox"/>		19002.148	06
PSEUDOCUMENE	5	95-63-6	<input type="checkbox"/>		950107.4	11

## Tier II Emergency and Hazardous Chemical Inventory

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Chemical Amount Range Code & Description		
#	Code	Amount Range
1	01	[01] 0-99
2	02	[02] 100-499
3	03	[03] 500-999
4	04	[04] 1,000-4,999
5	05	[05] 5,000-9,999
6	06	[06] 10,000-24,999
7	07	[07] 25,000-49,999
8	08	[08] 50,000-74,999
9	09	[09] 75,000-99,999
10	10	[10] 100,000-499,999
11	11	[11] 500,000-999,999
12	12	[12] 1,000,000-9,999,999
13	13	[13] 10,000,000- Greater than 10 million